





The 35mm SLR Photo

SourceBook

Section 1

35mm SLR and Rangefinder Cameras

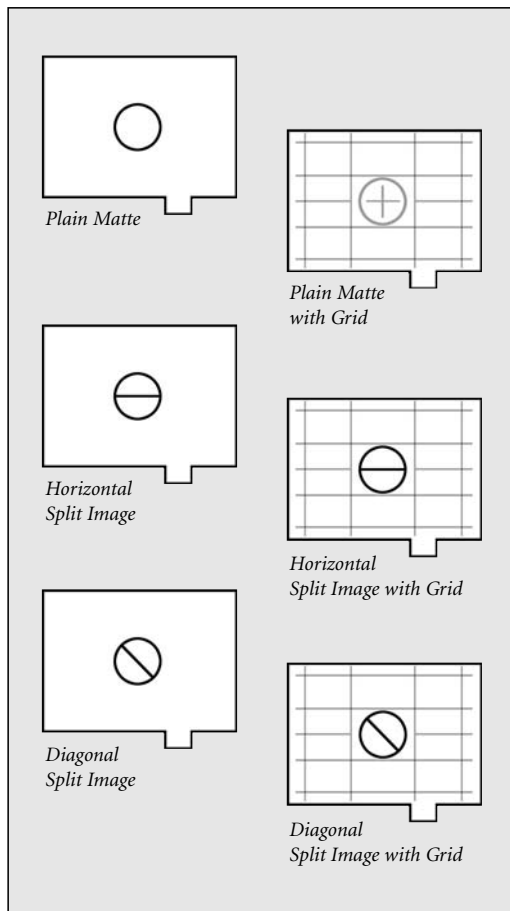
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BEATTIE

INTENSCREEN

Low available light can be one of the most frustrating conditions in which photographers are forced to work. The lack of contrast and image definition make it difficult, if not impossible, to bring your subject into sharp focus. Heavy shadows, dimly lit rooms and evening shooting schedules often result in soft images, not to mention tired and sore eyes. Beattie Intenscreen bright focusing screens help eliminate these problems making it easier to get the perfect shot. Beattie Intenscreens are available for hundreds of the most popular 35mm cameras with variations, including grid patterns and split image focus available within each camera model.

In addition, many sports, nature and astro-photographers use 35mm cameras because the wide selection of telephoto lenses make it easy to get close to the subject. However, longer telephoto lenses, particularly zoom lenses, often have a smaller maximum aperture making them slow and difficult to focus in low light. A Beattie Intenscreen bright focusing screen will increase image brightness by 1 to 1½ stops, making it easier to focus on distant subject, even when using a telephoto lens.



Screen Variations

To accommodate the diverse needs of the photographer, there are several varieties of Beattie Intenscreen available within each camera product category. Most 35mm Beattie focusing screens are available with either a plain matte focusing surface or with split image focusing.

Plain focusing screens, which are similar in appearance to traditional ground glass screens, offer an unobstructed viewing image and are ideal for outdoor and landscape photography.

Split image focusing screens, situated either horizontally or diagonally, provide centrally located focus assistance and are a good choice for wedding and portrait photographers.

In most cases, both plain and split image screens are available with an optional grid pattern for architectural and other precision photography. The drawings illustrate the six varieties typically offered for most 35mm focusing screens. Not all styles are available for each camera model.

For Canon EOS A2 / A2E

- Plain Matte (BEFSCEA2).....**92.95**
- Matte with Grid (BEFSGCA2)**92.95**

For Canon EOS-1, 1N, 1v and 3

- Plain Matte (BEFSCE1)**104.95**
- Matte with Grid (BEFSGCE1).....**104.95**
- Matte with Horizontal Split Image (BEFSSIHCE1).....**104.95**
- Matte with Grid and Horizontal Split Image (BEFSSIHGCE1)**104.95**

For Contax RTS II

- Plain Matte (BEFSCRTS2).....**92.95**
- Matte with Grid (BEFSGCRTS2).....**92.95**
- Matte with Grid and Horizontal Split Image (BEFSSIHGCRS2).....**92.95**
- Matte with Diagonal Split Image (BEFSSIDCRS2).....**92.95**

For Contax RTS III

- Plain Matte (BEFSCRTS3).....**92.95**
- Matte with Grid (BEFSGCRTS3).....**92.95**

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INTENSCREEN

CAMERAS & LENSES

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For Leica R4 / R5 / R6 / 6.2 / 7

Plain Matte (BEFSLR4)	92.95
Matte with Grid (BEFSGLR4)	92.95
Matte with Horizontal Split Image (BEFSSHLR4)	92.95
Matte with Grid and Horizontal Split Image (BEFSSHGLR4) ..	92.95
Matte with Diagonal Split Image (BEFSSIDL4)	92.95
Matte with Grid and Diagonal Split Image (BEFSSIDGL4)	92.95

For Nikon FA / FE / FE2 / FM2

Plain Matte (BEFSNFE2)	92.95
Matte with Grid and Horizontal Split Image (BEFSSIHGNFE2)	92.95
Matte with Horizontal Split Image (BEFSSIHNF2)	92.95
Matte with Grid (BEFSGNFE2)	92.95
Matte with Diagonal Split Image (BEFSSIDNFE2)	92.95
Matte with Grid and Diagonal Split Image (BEFSSIDGNFE2) ..	92.95

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Matte with Grid (BEFSGN8008)	92.95
Plain Matte (BEFSN8008)	92.95
Matte with Horizontal Split Image (BEFSSIHN8008)	92.95
Matte with Grid and Horizontal Split Image (BEFSSIHGN800)	92.95
Matte with Diagonal Split Image (BEFSSIDN8008)	92.95
Matte with Grid and Diagonal Split Image (BEFSSIDGN800) ..	92.95

For Nikon N90 / N90s

Plain Matte (BEFSNN90)	92.95
Matte with Grid (BEFSGNN90)	92.95
Matte with Horizontal Split Image (BEFSSIHNN90)	92.95
Matte with Grid and Horizontal Split Image (BEFSSIHGNN90)	92.95
Matte with Diagonal Split Image (BEFSSIDNN90)	92.95
Matte with Grid and Diagonal Split Image (BEFSSIDGNN90) ..	92.95

For Nikon F100

Plain Matte (BEFSNF100)	89.95
Matte with Grid (BEFSGNF100)	89.95
Matte with Horizontal Split Image (BEFSSIHNF100)	89.95
Matte with Grid and Horizontal Split Image (BEFSSIHGNF10)	89.95
Matte with Diagonal Split Image (BEFSSIDNF100)	89.95
Matte with Grid and Diagonal Split Image (BEFSSIDGNF10)	89.95

For Nikon F5

Matte with Grid (BEFSGNF5)	124.95
Plain Matte (BEFSNF5)	124.95
Matte with Horizontal Split Image (BEFSSIHNF5)	124.95
Matte with Diagonal Split Image (BEFSSIDNF5)	124.95
Matte with Grid and Horizontal Split Image (BEFSSIHGNF5)	124.95
Matte with Grid and Diagonal Split Image (BEFSSIDGNF5)	124.95

For Nikon F and F2 Cameras

Plain Matte (BEFSNF2)	114.95
Matte with Grid (BEFSGNF2)	114.95
Split Image Horizontal (BEFSSIHNF2) ..	114.95
Matte with Grid and Horizontal Split Image (BEFSSIHGNF2)	114.95
Matte with Diagonal Split Image (BEFSSIDNF2)	114.95
Matte with Grid and Diagonal Split Image (BEFSSIDGNF2)	114.95

For Nikon F3

Plain Matte (BEFSNF3)	114.95
Matte with Grid (BEFSGNF3)	114.95
Matte with Horizontal Split Image (BEFSSIHNF3)	114.95
Matte with Grid and Horizontal Split Image (BEFSSIHGNF3)	114.95
Matte with Diagonal Split Image (BEFSSIDNF3)	114.95
Matte with Grid and Diagonal Split Image (BEFSSIDGNF3)	124.95

For Nikon F4 Series

Plain Matte (BEFSNF4)	124.95
Matte with Grid (BEFSGNF4)	124.95
Matte with Horizontal Split Image (BEFSSIHNF4)	124.95
Matte with Grid and Horizontal Split Image (BEFSSIHGNF4)	124.95

For Olympus OM-Series

Matte with Grid (BEFSGOM1)	92.95
Plain Matte (BEFSOM1)	92.95
Matte with Horizontal Split Image (BEFSSIHOM1)	92.95
Matte with Grid and Horizontal Split Image (BEFSSIHGOM1)	92.95
Matte with Diagonal Split Image (BEFSSIDOM1)	92.95
Matte with Grid and Diagonal Split Image (BEFSSIDGOM1)	92.95

For Pentax LX

Matte with Grid (BEFSGPLX)	92.95
Plain Matte (BEFSPLX)	92.95
Matte with Horizontal Split Image (BEFSSIHPLX)	92.95
Matte with Grid and Horizontal Split Image (BEFSSIHGPLX)	92.95
Matte with Diagonal Split Image (BEFSSIDPLX)	92.95
Matte with Grid and Diagonal Split Image (BEFSSIDGPLX)	92.95

For Pentax PZ-1

Plain Matte (BEFSPPZ1)	92.95
Matte with Grid (BEFSGPPZ1)	92.95
Matte with Horizontal Split Image (BEFSSIHPPZ1)	92.95
Matte with Grid and Horizontal Split Image (BEFSSIHGPPZ1)	92.95
Matte with Diagonal Split Image (BEFSSIDPPZ1)	92.95
Matte with Grid and Diagonal Split Image (BEFSSIDGPPZ1)	92.95

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CAMERAS & LENSES

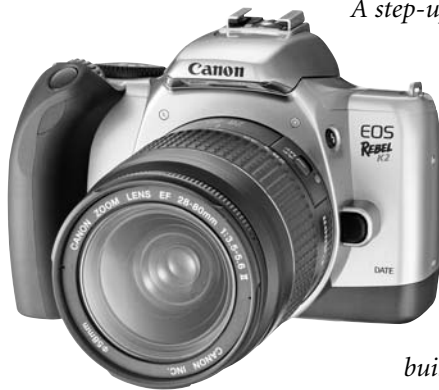
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Rebel GII—SLR Simplicity and Elegance

Want to step-up from a less versatile point-and-shoot camera? The affordable Rebel GII offers the budget-minded a slew of advanced features and functionality that make it ideal for students or anybody else who want greater creative control when taking photographs. Although compact and extremely lightweight (body weighs only 12 oz.), the Rebel GII incorporates some of the most advanced features available in an entry-level SLR camera including 11 exposure modes, 3-point autofocus system, Auto Exposure Bracketing (AEB), manual focusing point selection in the viewfinder and settings for multiple exposures and other creative effects. Additional features include a Night Scene mode which combines the perfect balance between natural light and flash for stunning portraits, a bright viewfinder, metered manual for creative exposure flexibility, AE Lock, a retractable flash with red-eye reduction and a beeper for focus confirmation. It is fully compatible with the complete line of Canon EF lenses, as well as a wide variety of EOS system accessories including a remote controller, a battery grip, close-up accessories and a comprehensive line-up of EX-Series Speedlites, featuring the versatile E-TTL flash exposure metering system.



Rebel K2—SLR Excitement and Performance



A step-up from (and a step quicker than) than the entry level EOS Rebel GII, the Rebel K2 features Canon's premier 7-point wide area AF system and 35-zone AF-linked evaluative metering that optimizes exposure accuracy. Fast autofocus and film advance permit you to shoot at 1.5 frames per second, 50 percent faster than the GII. Tracking and keeping moving subjects in focus is a breeze thanks to the Rebel K2's AI Servo AF mode and seven point selectable autofocus system. Users can also opt for manual focusing point selection by simply pressing the Focusing Point Selector and rotating the main dial until the preferred focus point is indicated below the picture area in the viewfinder data display, or on the large, easy-to-read LCD data panel on the back of the camera. In the Full Auto and Programmed Image Control modes, the built-in flash pops up and fires automatically in low-light or backlit situations.

Rebel T2—The Next Generation SLR

The Rebel T2 steps up with a stainless steel lens mount fully compatible with all EF-series lenses; an AF tracking speed rivaling Canon's professional Elan and EOS-3 cameras; and up to 3 frames-per-second film advance. It boasts a maximum shutter speed of 1/4000 second and X-sync at 1/125 sec. It also offers E-TTL II autoflash metering for both the built-in flash and external EX-series Speedlites, a shutter lock that prevents shooting if there is no film in the camera, and an anti-shake warning if the shutter speed is too low for hand-held photography according to the focal length of the lens. Finally, the Rebel T2 features user-selectable custom functions that let you tailor specific camera features according to personal preferences.



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High Performance AF

With the Rebel series, the focus is on speed, accuracy, and flexibility! 7-focusing points (3 points for the GII) cover a wider area. Each can detect whether the subject is moving or still, and instantly adjusts autofocus to match. There are no surprises with off-center subjects or areas with multiple focusing points, as all selected points are clearly and brightly highlighted in the viewfinder.

- One-Shot AF lets you lock in autofocus on the subject. You can then relax and reframe if necessary.
- Predictive AI Servo AF mode lets you shoot moving subjects with confidence, knowing you can count on sharp focus. When a subject's movement is detected, the cameras track it and calculate the correct exposure with a high degree of precision.
- Advanced AI Focus AF system enable them to automatically switch from One-Shot AF to AI Servo AF when they detect a subject in motion (in Creative Image mode).
- **The T2 lets you select AF modes independently. A four-position keypad on the back of the camera also makes autofocus point selection more intuitive and faster.**

Creative Controls

- ◆ Want to recompose a picture after fixing focus. Or want to determine exposure separately from focus. AE Lock is the answer. By pressing the AE Lock button, the exposure is precisely set and stored in memory. This lets you achieve superb exposure control even in difficult lighting situations.
- ◆ Multiple Exposure Control lets you place up to 9 images in a single frame to create special effect images, capture progressive motion, or produce surrealistic creative compositions.
- ◆ Auto Exposure Bracketing automatically shoots three consecutive exposures—one underexposed, one overexposed and one correct—in a customizable range of 0 to ± 2 stops in 1/2-stop increments.
- ◆ **The T2 features custom functions allowing you to tailor the camera to your preference. These include adjustable self-timer (2- or 10-seconds), emit built-in AF assist beam (on/off), shutter speed curtain with built-in flash and external Speedlites and flash sync in AV mode.**

Shooting Modes

The Command Dial makes selecting any exposure mode fast and effortless. You can use the dial to set either Creative Image Control Modes or Programmed Image Control Modes. This allows even novice photographers to handle a full range of shooting situations quickly and confidently.

Programmed Image Control Modes

Canon's Programmed Image Control Modes automatically deliver the optimum aperture, shutter speed and other functions for typical shooting environments. Designed primarily for beginners, they optimize results in popular applications such as portraits, landscapes, close-ups, sports, and night scenes. Simply select the mode from the Command Dial that fits the scene and Rebel handles the rest.

Portrait: By setting a larger aperture, this mode keeps the foreground in sharp focus while artistically blurring the background to create a dramatic portrait.

Landscape: By stopping down the lens, this mode produces the precise depth-of-field that keeps everything in the scene sharp and crisply focused.

Night Scene: By the reducing the shutter speed and firing the flash, this mode produces "after dark" shots with brightly lit subjects and softly glowing backgrounds.

Close-up: In Close-up, partial metering is engaged to make the primary subject "pop out" against the background.

Sports: A faster shutter speed and predictive AI Servo to AF freezes motion to give you impressive action shots with ease.

Full Auto: Never worry again about missing a shot. Simply frame the subject and press the shutter button. The Rebel automatically meters the scene, sets the right combination of aperture and shutter speed and even fires a flash, when needed.

All three Rebel models have a built-in motor winder for fast, silent continuous film advance. They differ only in speed: One frame per second (fps) on the Rebel GII, up to 1.5 fps on the Rebel K2, and up to 3 fps on the Rebel T2.

Creative Image Control Modes

Canon's Creative Image Control Modes automatically deliver the optimum aperture, shutter speed and other functions when you are ready to be more creative. Simply select the mode from the Command Dial that fits the scene and Rebel handles the rest.

Auto Depth-of-Field AE (A-DEP): This setting automatically chooses an aperture and focus point that brings the entire scene into razor-sharp focus—from foreground to background. (The T2 also includes a dedicated depth-of-field preview button that allows you to see exactly what you have in focus before you take your shot.)

Intelligent Program AE (P): In this mode, the camera sets the optimal combination of aperture and shutter speed based on the focal length in use. With a turn of the Main Dial, you can use different speed/aperture values for greater creative control while keeping the same exposure level.

Shutter Priority AE: Set the shutter speed (up to 1/2000 sec. or 1/4000 on the T2) and the cameras will set the correct aperture. Startling effects like freezing action or creating a creative blur are simple to achieve.

Aperture Priority AE: You set the aperture and they automatically choose the correct shutter speed.

Manual Control: In this mode you have complete creative control over both shutter speed and aperture settings. Any combination of shutter speed and aperture can be set. There is also the option of activating or overriding the Rebel's exposure metering systems.

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EOS REBEL SERIES

Rebel K2/T2 Only

- ◆ Their controls have been designed to allow true single-handed shooting. Shutter release, AE Lock button, AF Point Selector, Command Dial and Main dial are all in easy reach of the hand that holds the grip.
- ◆ Arm incorporated into their pop-up flash mechanism increases the distance between the optical axis and the center of the built-in flash. This further reduces the chance of red-eye or partial obstruction from the attached lens.
- ◆ An optional AA battery pack (BP-220) is available to them. Attaching neatly to their base, the pack provides an ergonomic vertical grip with a shutter button.

Rebel T2 Only

- ◆ Features E-TTL II autoflash metering for both the built-in flash and external EX-series Speedlites (see Elan 7N for details)
- ◆ For high speed operation, the T2 features up to 3 frames per second film advance, high-speed shutter of up to 1/4000 second and X-sync at 1/125 sec.
- ◆ Dioptic adjustment from -2.5 to +0.5 allows photographers who wear glasses the freedom to shoot with or without them.
- ◆ Dedicated depth-of-field preview button allows you to see exactly what you have in focus before you take your shot.
- ◆ Orientation Detection Sensor automatically recognizes whether a shot is vertical or horizontal. Then, the camera's metering systems reads the brightness of the sky or earth separately.
- ◆ Outfitted in a dark metallic gray finish, the T2's compactness is emphasized with cut-away surfaces on the front and back of the top cover. A black rubber skin on the grip, offers additional holding comfort. Large, illuminated LCD data panel and oversized command dial allow single-handed adjustment of all camera controls. For rugged durability, the Rebel T2 is outfitted with a high-quality stainless steel lens mount.
- ◆ For convenience a shutter lock prevents shooting if there is no film in the camera, and an anti-shake warning, which can be turned on/off prevents the user from taking a picture if the shutter speed is too low for hand-held photography according to the focal length of the lens.

Built-in Flash

- ◆ They offer a built-in flash with TTL control, red-eye reduction, and Off mode which disables the flash as well as an attached Speedlite. On the K2 and T2 in most modes, the flash automatically pops up when needed.
- ◆ They work with EX-series Speedlites for sophisticated E-TTL flash metering (E-TTL on the Rebel T2) and enhanced flash performance. FE-Lock reads and briefly stores AF and metering information to give you more leeway in composing a shot, and high-speed sync allows them to synchronize the Speedlite with very fast shutter speeds to create impressive freeze-frames or enable the use of a wide aperture for shallow depth-of-field.



OPTIONAL ACCESSORIES

BP-8 Battery Pack (CABP8): Lightweight, compact battery pack for the Rebel GII. It is a cost-efficient power supply, requiring only 4 AA alkaline or nicad batteries. Up to 100 rolls of 24-exposure film can be shot with alkaline batteries (75 with nicads)**29.95**

BP-220 Battery Pack (CABP220): Designed for the Rebel K2/T2, the BP-220 uses 4 AA or NiMH batteries to work as an additional power source. Also functions as a vertical grip for the cameras with a shutter release button and on/off switch.....**34.95**

GR-80TP Grip (Rebel GII only) (CAGR80TP): A new concept in grips, the GR-80TP incorporates a mini tripod, making it ideal for self-timer, low-angle or night photography. The inclination can be adjusted right, left, up and down. When the tripod is folded, it is integral with the body. Use with the hand strap to ensure a secure grip**44.95**

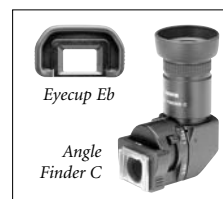
RS-60E3 Remote Switch (CARS60E3): A compact remote switch with a 2' cable replicating all the functions of the camera's shutter release button**25.95**

RC-1 Wireless Remote Controller (Rebel K2/T2 only) (CARC1): This is a miniature infra-red transmitter. It operates at ranges up to 16.4', and may be set for either instant shutter release or 2-second delay. The RC-1 can also be used to activate mirror lock and bulb shutter functions**24.95**

RC-5 Wireless Remote Controller (Rebel K2/T2 only) (CARC5): Compact, infrared remote control lets you fire the camera up to 16' away**21.95**

Angle Finder C (CAFAC): Lets you adjust the viewing angle while providing a full screen image that also shows exposure data. Includes built-in dioptic adjustment.**179.95**

Eyecup Eb (CAECEB):
For Rebel GII. For soft eye contact even when wearing glasses**11.95**



Eyecup Ef (CAECEf):
For Rebel K2/T2. For soft eye contact even when wearing glasses.....**10.95**

Rubber Frame Eb (CAFEB):
For Rebel GII with E-series diopter lenses**9.95**

Rubber Frame Ef (CAFEF):
For Rebel K2/T2 with E-series diopter lenses**9.95**

Dioptic Adjustment Lens E: Provide near and far-sighted users a clear viewfinder image without their glasses. Available in nine types from +3 to -4 dpt to match your eyesight, each diopter fits into the eyepiece holder of the appropriate EOS camera for convenient use and a comfortable fit. For 0 use #CAD0E, or simply insert number in the parenthesis after P for plus CADP()E or M for minus CADM()E diopters**13.95 ea.**



EQUIPMENT LEASING AVAILABLE

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EOS REBEL SERIES SPECIFICATIONS

CAMERAS & LENSES

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	EOS Rebel T2	EOS Rebel K2	EOS Rebel GII
Autofocus System	TTL-CT-SIR (Through-The-Lens Cross-Type Secondary Image Registration) Auto switching between One-shot and AI Servo AF with Focus Prediction. Manual focusing confirmation possible with EF lenses. Automatic and manual focusing point selection.		TTL-SIR-Multi-BASIS
Number of Focusing Points	7 (with red illumination)	7	3
Autofocus Sensitivity	EV 1-18 (at ISO 100 with f/1.4)	EV 1-18 (at ISO 100 with f/1.4)	EV 2-18 (at ISO 100 with f/1.4)
Autofocus Auxiliary Light	Built-in	Built-in	Built-in
Shutter	Vertical-travel focal plane shutter with all speeds electronically-controlled		
Shutter Speeds	30-1/4000 sec. + Bulb,	30-1/2000 sec. + Bulb, manually selectable in 0.5EV increments	
Maximum Flash Sync Speed	X-sync at 1/125 sec.	1/90 sec.; high-speed sync available with EX-series Speedlites	
Film Loading	Film automatically precwound to the end of the roll when loaded, rewinds one frame at a time during shooting		
Film Winding Modes	Single and 3.0 frames/sec.	Single and 1.5 frames/sec.	Single and 1.0 frame/sec.
Film Rewind	Automatic. Film automatically rewinds at end of roll. Mid-roll rewind possible		
Metering System	TTL full aperture metering; 35-zone Evaluative metering; 9.5 % partial area metering; Center-weighted average metering (in manual mode only);	TTL full aperture metering; 35-zone Evaluative metering; 9.5 % partial area metering; Center-weighted average metering (in manual mode only);	TTL full aperture metering; 6-zone Evaluative metering; 9.5 % partial area metering; Center-weighted average metering (in manual mode only);
Metering Sensitivity	EV 1-20 (at ISO 100 with f/1.4)	EV 1-20 (at ISO 100 with f/1.4)	EV 2-20 (at ISO 100 with f/1.4)
Exposure Compensation	+/- 3 steps in 0.5 EV increments	+/- 2 steps in 0.5 EV increments	+/- 2 steps in 0.5 EV increments
AE Lock	Yes	Yes	Yes
Exposure Modes	Intelligent program AE with variable shift; Shutter-priority AE; Aperture-priority AE; Auto Depth-of-field AE; Programmed Image Control (7 settings for Rebel T2 and Rebel K2, 6 settings for Rebel GII); Metered manual; E-TTL, A-TTL, TTL program flash AE		
Viewfinder Coverage	90% horizontal and vertical at 0.70x	90% horizontal and vertical at 0.70x	90% horizontal and vertical at 0.70x
Viewfinder Information	<i>Inside the picture area:</i> 7 focusing points, plus 9.5% partial metering circle.	<i>Inside the picture area:</i> 7 focusing points, plus 9.5% partial metering circle. Active AF point indicator	<i>Inside the picture area:</i> 3 focusing points, plus 9.5% partial metering circle. Active AF point indicator
Focusing Screens	New laser-matte screen marked with focusing points (with partial metering circle)		
Body Dimensions (W x H x D)	5.1 x 3.5 x 2.5"	5.1 x 3.5 x 2.5"	5.7 x 3.6 x 2.5"
Weight (Body Only)	12.9 oz.	12 oz.	12.3 oz.

EOS REBEL SERIES PRICING

EOS Rebel GII Body (CAERG2):
Includes wide strap and Eyecup EbCall

EOS Rebel GII Kit (CAERG23580K): Includes GII body, Canon
35-80mm f/4-5.6 EF III Lens and two 3v lithium batteries.....Call

EOS Rebel K2 Body (CAERK2):
Includes wide strap and Eyecup Ef149.95

EOS Rebel T2 Body (CAERT2):
Includes wide strap and Eyecup Ef189.95

EOS Rebel K2 Kit (CAERK22880K): Includes K2 body, Canon 28-80mm
f/3.5-5.6 EF II Lens and two 3v lithium batteriesCall

EOS Rebel T2 Kit (CAERT22890K): Includes T2 body, Canon 28-90mm
f/4.0-5.6 EF III Lens and two 3v lithium batteries.....259.95

EOS Rebel K2 Body with Databack (CAERK2D):
Includes wide strap and Eyecup Ef169.95

EOS Rebel T2 Body with Databack (CAERT2D):
Includes wide strap and Eyecup Ef214.95

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ELAN 7N/ELAN 7Ne

Take Your Pictures to the Next Level

With an industry leading combination of performance and design, Canon's EOS series of SLR cameras continue to set new standards for digital and film SLRs. Celebrated for their unparalleled performance and sophisticated innovation, Canon EOS cameras have a well-deserved reputation for user friendly design, professional precision and uncompromising quality. Now add two more—the EOS ELAN 7N/7Ne — to this amazing camera system. Incorporating a host of new features the ELAN 7N/7Ne offer a new focusing system for the fastest AF performance in its class, a new backlit display, Canon's Whisper Drive technology, and a new distance-based flash metering system, all in a nearly silent, elegant and rugged package.



FEATURES

Fast AF Performance

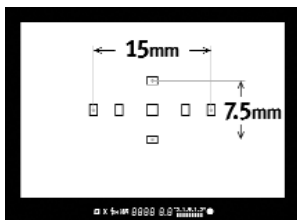
It's never been so easy to achieve perfect focus so quickly. A perfect choice for sports and wildlife photographers, the EOS ELAN 7N/7Ne shares much of the AF technology found in Canon's EOS-1v and EOS 3. This high-speed focus can track quickly moving objects with great precision, allowing you to shoot up to 3.5 fps in AI Servo AF, or 4 fps in One-Shot AF mode. So whether your subjects are moving or stationary, the EOS ELAN 7N/7Ne easily has the fastest AF in its class. And with AI Servo, One Shot and AI Focus modes, the AF system can adapt to any situation.

AI Servo AF lets you capture fast moving subjects. The camera follows the subject continuously until the shutter is released, continuously adjusting focus for sharp results, at speeds rivaling many professional SLRs.

One-Shot AF is suited to portrait or still life photography. Once composition is determined, one of the camera's seven focusing sensors quickly focuses on the subject. Unlike cameras with fewer focusing points, the ELAN 7N/7Ne allows off-center subjects to be in sharp focus without the need to recompose the image.

AI Focus offers control in any situation. In this mode, the ELAN 7N/7Ne detects if there is subject movement. Then, it automatically selects AI Servo Focus or One-Shot AF as the shooting situation requires.

7-Point Wide-Area AF



◆ The ELAN 7N/7Ne's 7-point Wide-Area Autofocus provides a new level of speed and accuracy in AF. Seven focusing points are arranged in a cross pattern with a central "cross-type" sensor. This wide area makes it possible for sharp focus to be achieved instantly—even when the subject is off-center—without the need to recompose the shot. Vertically or horizontally, with stationary or moving objects, in low light and even with low contrast, 7-point Wide-Area AF delivers razor-sharp images.

◆ The ELAN 7N/7Ne's Focusing Point Selection Keys represent a bold innovation in speed and versatility. Designed for easy and fast action, these keys enable the photographer to immediately select any one of the seven focusing points simply by pressing a button. It's simple, intuitive and remarkably fast.

Superior Metering

The ELAN 7N/7Ne feature a 35-zone metering system, which is then linked to the camera's focusing points. To assure the highest level of contrast and clarity, Canon's AIM (Advanced Integrated Metering) system integrates evaluative metering and focus information. But whether using automated 35-zone, partial-area, or center-weighted metering, the ELAN 7N/7Ne assures that your exposures come out just right.

35-zone Evaluative Metering:

The ELAN 7N/7Ne uses Canon's advanced 35-zone Evaluative Metering for fast, accurate control of shooting environments that combine light and shadow or strong backlight. Precise metering is assured whether shooting in vertical or horizontal positions.

Partial-Area Metering:

Partial metering measures 10% of the viewfinder at the center or around the chosen focusing point to provide pinpoint accuracy when metering shadows, highlights or subjects against very bright or dark backgrounds.

Center-Weighted Metering:

With center-weighted metering, the ELAN 7N/7Ne measures the entire scene while placing greater emphasis on what appears in the center of the frame. It is often the chosen method of experienced photographers.

CANON

ELAN 7N/ELAN 7NE

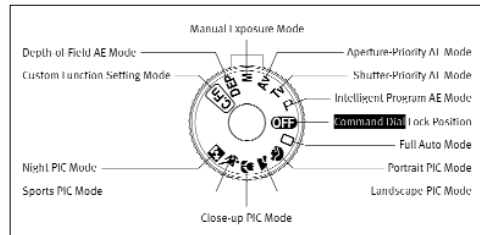
Enhanced Functions

In addition to sophisticated focus and exposure capabilities, they feature a host of other functions to enhance the photographic experience. Features like AE lock, Auto Exposure Bracketing and Multiple Exposure Control ensure that the ELAN 7N/7NE can do anything you want it to.

- ◆ AE Lock make it possible to meter and “lock in” and exposure setting based on a specific element of the composition, and then to recompose the shot for greater freedom of expression.
- ◆ AEB (Auto Exposure Bracketing) lets you select the degree of under or overexposure in the bracketing sequence—from 1/2 to 2 full stops in in 1/2 stop increments. The camera then automatically fires three shots in rapid succession (the first at proper exposure, the next two at the selected increment of under and overexposure), ensuring correct exposure in complex lighting situations.
- ◆ Multiple Exposure Control (ME) allows the creation of dazzling, surreal effects by recording up to nine images on a single frame of film.
- ◆ Self-timer delays the shutter for ten seconds to allow the photographer to enter the composition, or to minimize shake for slow exposures.
- ◆ Canon’s Whisper Drive quiet film transport technology minimizes film advance noise, even when shooting in continuous mode, making the ELAN 7N/7NE the quietest EOS on the market!
- ◆ The viewfinder has a built-in dioptic adjustment from -2.5 to +0.5. Adjustments can be made conveniently without removing the camera’s attached eyecup.
- ◆ Depth-of-Field Preview button enables a fast check of the “sharp zone” before the shutter is released.
- ◆ The ELAN 7N/7NE has 13 different Custom Functions, encompassing 34 different settings that enable you to create a working relationship with the camera that’s highly individual.
- ◆ “Ultra-Matte Coating”, a black textured finish, has been added to the cameras, to distinguish them physically from the older EOS ELAN 7 and ELAN 7E models.

Eye Control (ELAN 7NE Only)

Use the ELAN 7NE’s exclusive Eye Controlled Focus for instant, intuitive AF in almost any situation. Designed by Canon to link eye movement with the seven AF points, the Eye Control focus system tracks the glance of the eye, integrating composition and focus into one uninterrupted step. Canon’s fastest Eye Control system to date, it works whether the camera is oriented horizontally or vertically. This high-speed, advanced Eye Control system distinguishes the ELAN 7NE from every other camera in its class.



manual operation, click the Command Dial over to the Creative Zone.

Command Dial

Use the ELAN 7NE’s Command Dial to set the camera to any kind of photographic situation. For beginners, or seasoned photographers confident that the camera will make the right choices for them, choose one of the fully automatic functions in the Image Zone. For more user-controlled features, including fully

Image Zone

Programmed Image Controls (PIC) offer you greater speed and creative freedom—especially when shooting under tight time constraints. Just turn the Command Dial to the icon best suited to the shooting requirements: Portrait, Landscape, etc. A preset combination of AF, exposure control, metering patterns, and flash provides precise, effortless image control.

Full Auto Mode: chooses all settings including the correct combination of aperture, shutter speed and focus, as well as flash, for point-and-shoot simplicity.

Portrait Mode: sets a large aperture focusing on the subject’s face as it blurs the background for dramatic, flattering effect.

Landscape Mode: provides complete depth-of-field so everything is in sharp focus from foreground to background.

Close-up Mode: captures the smallest details at close range to reveal the textures and patterns in ordinary objects.

Sports Mode: sets the fastest possible shutter speed to freeze the action in front of you

Night Scene Mode: fires the flash and slows the shutter speed to produce “after dark” photos with bright foregrounds and gently glowing backgrounds.

Creative Zone

With a flick of the ELAN 7N/7NE’s Command Dial, you have fast, effortless control of light, speed, aperture and depth-of-field.

Intelligent Program AE: selects the precise shutter speed and aperture value for the focal length of the lens—when you want to shoot at a moment’s notice.

Shutter Priority AE: you choose a shutter speed – up to 1/4000 of a second – and the camera automatically selects the correct aperture, allowing you to freeze motion or create intentional blurs.

Aperture-Priority AE: when control over depth-of-field is essential, this mode lets you select an aperture setting while the camera automatically matches it with the proper shutter speed.

Depth-of-Field AE: this mode calculates the precise depth-of-field automatically. With the ELAN 7e, you can even define your “sharp zone” using Eye Controlled Focus.

Manual: this is when you want complete control. You select the shutter speed and aperture setting. Use the analog metering scale and the ELAN 7N/7NE’s sophisticated metering system, or set exposure independently.

CANON

ELAN 7N/ELAN 7Ne

E-TTL Wireless Flash

E-TTL Wireless enables you to work with two or more 550EX, 420EX or MR-14EX Speedlites to create dramatic studio quality lighting effects without the studio. Simply attach a 550EX, MR-14EX or an ST-E2 Transmitter to the ELAN 7N/7Ne and position the other Speedlites around your subject. You can use an unlimited number of Speedlite 550EX or 420EX (slave units) to achieve precise main, fill and background lighting. When you shoot, the on-camera Speedlite or Speedlite Transmitter functions as the master unit and transmits wireless signals to the slave units. To achieve your effect, the master unit's flash (550EX or MR-14EX only) can be disabled, however even when disabled it can still transmit wireless signals to the slave units for complete versatility.

The ST-E2 Speedlite Transmitter is a compact master control device for a wireless Speedlite flash system. This dedicated transmitter controls up to 3 groups of Canon EX-series Speedlites as slave units at distances of up to 33' outdoors and up to 50' indoors. Its shoe lock lever and locking pin provide easy clip-on mounting.

EOS System

The ELAN 7N/7Ne camera is a perfect entry into the EOS system, the most comprehensive SLR system available today. There are more than 50 EF lenses compatible with the ELAN 7N/7Ne as well as Canon's superlative Speedlites and other accessories.

Canon's EF lenses are unsurpassed in value and quality. The choice of professionals and hobbyists worldwide, Canon EF Lenses are masterpieces of innovative design and superior optics. Ultrasonic Motor Technology (USM) offers instant focus, with nearly-silent operation. Image Stabilizer (IS) lenses eliminate camera shake, enabling you to shoot at slower speeds, often without a tripod in situations where one might have been warranted.

The EF 28-105mm f/4-5.6 and EF 28-90mm f/4.5-5.6 II lenses are perfect companions for the EOS ELAN 7N/7Ne. Their lightweight, high-quality designs were specially created to take full advantage of the camera's unique features. Both lenses offer virtually silent operation, enabling you to shoot in environments where silence is essential.

Built-in Intelligent Flash



Both the ELAN 7N and 7Ne have a powerful and convenient built-in flash that pops up and fires automatically in Full-Auto, Portrait, Night Scene and Close-up modes. Automatic exposure controls set aperture, shutter speed and flash intensity. With range to cover as wide as a 28mm lens, the flash has a guide number of 42.6 (feet, ISO 100). Using standard off-the-film TTL flash control, this flash recycles in just two seconds. A red-eye reduction lamp fires before the flash for more natural-looking portraits.

E-TTL II Auto Exposure Flash System

The ELAN 7N/7Ne go beyond any previous EOS 35mm SLR with Canon's new distance-based E-TTL II flash metering system. Attach any EX-series Speedlite, and most Canon EF lenses (must be compatible EF lenses with built-in distance information encoder) provide distance information to the camera — insuring that direct flash exposures are more accurate than ever before. Distance-based E-TTL II is especially powerful when shooting abnormally light or dark subjects.

- ◆ This "smarter" system compares the ambient light with the reflected pre-flash off the subject reported in all the metering zones and selects the areas with a small difference to be weighted for flash exposure calculation. The system also eliminates or underweights areas with large difference, recognizing them as an extremely reflective object in the background or as a highly reflective subject, by smartly ensuring it by considering the distance information data provided from compatible EF lenses.
- ◆ Similarly, in cases where photographers lock focus and recompose the shot, this revised E-TTL system prevents over-exposure by considering the flash output level calculated according to the broader distance information rather than using the single AF point.
- ◆ Canon's E-TTL II provides flash performance no other camera in this price category can match. Shoot flash pictures with full automatic exposure, using FP (hi-speed sync), up to the camera's top speed 1/4000 of a second. Take 10% partial readings of flash illumination and lock them into memory with Flash Exposure lock (FEL). Or use anywhere from one to an unlimited number of 550EX and/or 420EX speedlites off-camera, and not only have fully automatic exposure control, but even vary flash ratios over a six-stop range — without ever touching an off-camera flash unit!
- **FEB (Flash Exposure Bracketing):** Ideal when perfect exposure is critical. With a 550EX or MR-14EX/MT-24EX Ring Lite attached to the ELAN 7N/7Ne, FEB shoots three shots in a row—the first at proper exposure, the next underexposed, the last overexposed—in 1/2 stop increments from 1/2 to 2 full stops, assuring the correct amount of flash will be recorded.
- **FP Flash (High-speed Sync):** Perfect for freezing motion, shooting with shallow depth-of-field, or for eliminating ambient light to isolate subjects. In this mode, the EX-series Speedlites provide full range shooting at high shutter speeds up to 1/4000 second!
- **FE Lock (Flash Exposure Lock):** With an EX-series Speedlite attached, the AE Lock button functions as an FE Lock. Pushing the AE Lock button stores the proper flash exposure data in the camera's memory, the composition can then be fine-tuned and shot without having to re-meter the scene.



CANON

ELAN 7N/ELAN 7NE

EOS ELAN 7N PRICING

EOS Elan 7N Camera Body (CAEE7N)
With wide strap and Eyecup Ed299.95

EOS Elan 7N Camera Kit (CAEE7N28105K)
Includes EOS Elan 7N Body, 28-105mm f/4-5.6 EF lens and two 3v
lithium batteries409.95

EOS ELAN 7NE PRICING

EOS Elan 7NE Camera Body (Eye Control) (CAEE7NE)
With wide strap and Eyecup Ed.....339.95

EOS Elan 7NE Camera Kit (CAEE7NE28105)
Includes EOS Elan 7NE Body, 28-105mm f/4-5.6 EF Lens and two 3v
lithium batteries459.95

Optional Accessories

In addition to full compatibility with Canon EF lenses and EX Speedlites, the ELAN 7N/7NE are compatible with a wide range of EOS system accessories, including battery packs, remote controllers and eyepieces.

123A 3v Lithium Battery (GB123A): The Elan 7N/7NE body requires only two.....3.99 ea.

BP-300 Battery Pack (CABP300): Designed exclusively for the ELAN 7N/7NE, the optional BP-300 Battery Pack has a comfortable vertical grip with controls including shutter release and AE Lock. Compact and lightweight, it accepts four "AA" batteries or two CR123A lithium batteries69.95

RS-60E3 Remote Switch (CARS60E3): A compact remote switch with a 2' cable replicating all the functions of the camera's shutter release button.....25.95

RC-1 Wireless Remote Controller (CARC1): A miniature infrared transmitter that operates at ranges up to 16.4', and may be set for either instant shutter release or 2-second delay. The RC-1 may also be used to activate mirror lock and bulb shutter functions24.95

RC-5 Wireless Remote Controller: Compact, infrared remote control lets you fire the camera up to 16' away.....21.95

Angle Finder C (CAFAC): Lets you adjust the viewing angle while providing a full screen image that shows exposure data. Includes built-in dioptic adjustment ...179.95

Eyecup Ed (CAECED): Made of hollow rubber for soft eye contact even when wearing glasses..... 13.95

Eyecup Ed-E (CAECEDE): Large eyecup designed for the ELAN 7N/7NE, it keeps out most sunlight and other external light, substantially enhancing viewfinder visibility. Especially helpful for eyeglass wearers when photographing outdoors. The mount can be rotated for vertical shots19.95

Anti-Fog Eyepiece Ed (CAEPAFE3): Attaches easily to reduce condensation and help you maintain a clear view of your subject in cold or humid weather39.95

Dioptic Adjustment Lens Ed (with rubber frame): Provides near and far-sighted users a clear viewfinder image without their glasses. Available in ten types from +3 to -4 dpt to match your eyesight. Fits into the eyepiece holder of the ELAN 7N/7NE (see bottom of page 27 for ordering information)9.95

EH-14L Semi-Hard Case (CACLEE7): Eveready case that provides basic contact and abrasion protection while on the go49.95

Zoom Pack 1000 Holster Case (CAZP1000): Protects your gear from moisture, impact and dust. The bottom is double layered for extra coverage.....24.95



CANON

EOS-1v/EOS-3

The EOS-3 represents the cutting edge of autofocus technology. A 45-point autofocus ellipse dominates the center of the viewfinder, and it is remarkably accurate.

The user can select specific points, as on the EOS-1v, let the computer decide, or use the eye controlled focus to let the camera detect eye movement and move the autofocus to where you look. Missing a split-second off-center decisive moment is almost impossible

The EOS-3 features an area AF system, a high precision focusing system, higher speed eye-control and improved high-speed focus tracking. Superb weather-resistance capability, allow it to be used in the worst of conditions. Use Canon's latest Speedlites at all shutter speeds for fast action or wide-aperture daylight portraits with fill flash. Finally, the EOS-3's design is sturdy with easily accessible controls for quick and easy execution of camera operations. For convenience, it shares layout design, focusing screens, boosters and other accessories with other professional EOS models. These technologies combined with compatibility with the extensive range of EF lenses and accessories, make the EOS-3 the perfect choice for advanced amateurs and professionals alike.



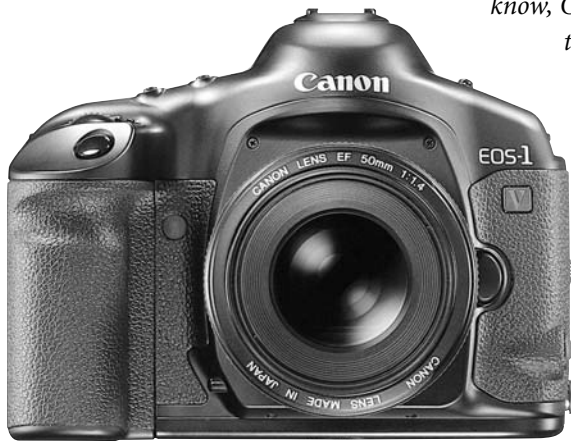
There is no doubt that the history of Canon's EOS system is the true measure of AF-SLR evolution. Seventeen years have passed since the birth of the first EOS in 1987. Throughout this time, Canon has relentlessly pursued EOS development based on the goal of matching system operability and performance to the speed and flexibility of human intellect and physiology. Canon has developed unique and innovative technologies that share a common objective: making fine photographs easier to take. Canon's achievements in camera and lens design, development and manufacturing technologies, in addition to many other areas have set lofty standards for the entire photographic industry and have also resulted in consistent market leadership.

Canon's EOS camera's are the choice of professionals around the world. As the pros know, Canon sets the standard, consistently redefining photographic excellence through new technological developments. That's why Canon's top SLR has a "1" in the name. Packed with advanced features and functions, and with unprecedented operability, the 35mm EOS-1v—the "V" stands for "vision"—is capable of handling any shooting condition with flexibility and reliability.

From recording the moments when history is made to capturing nature in vivid detail, the EOS-1v transforms fleeting moments into images of visual perfection. With the EOS-1v, you'll reach a level of perfection where you, the subject and camera become one.

In developing the EOS-1v, Canon drew on it's accumulated know-how and the latest technological innovations to set new creative parameters to strengthen the connection between intention and execution.

The EOS-1v boasts a level of durability never before possible, along with a 45-Point Area AF for exceptional speed and precision. And Canon brought all it's expertise in ergonomics to bear in the camera's design, which is optimized for the most natural hand movement during photography. With versatile basic functions for all professional needs, plus the ultimate in customization, the EOS-1v frees you to operate in creative mode at all times. The world's fastest continuous shooting speed, at a maximum of 10 fps, gives the EOS-1v performance that no other camera of its type can match.



ONE HOUR FREE PARKING
AT 349 W. 34th STREET (with purchase of \$100 or more)

CANON

EOS-1v/EOS-3

45-point Area AF

The result of Canon's pursuit of an AF system that allows continuous shooting ease and expanded framing freedom, the 45 focusing points are densely packed within an 8 x 15mm zone and can be manually or automatically selected to meet the needs of the situation. When multiple points are selected, AF system capabilities are significantly extended. While photographers have the freedom to frame images through the viewfinder as they choose, the lens is automatically brought into focus as soon as the active focusing points cover the subject. Like a human eye, Canon's 45-point Area AF tracks and aims true. This is typical of Canon's state-of-the-art AF technology, recognized by professional photographers everywhere. The system is comprised of two kinds of sensor elements that are capable of remarkable focusing efficiency. Because they are able to complement and compensate for each other, they vastly expand the range of lens/extender combinations with AF capability.



- ◆ Each of the 45 focusing points within the Area AF is composed of horizontal line detection sensors. These sensors operate with EF lenses having a maximum aperture of $f/5.6$ or larger. They are particularly well-suited to focusing on moving subjects.
- ◆ The central seven points of the Area AF sensor also incorporate vertical line detection sensors, six of which operate with EF lenses with maximum apertures of $f/2.8$ or larger and theoretically provide focusing precision three times as high as the vertical sensors.

- ◆ The design of the Area AF sensor effectively creates seven cross-type central points capable of unrivaled object recognition and exceptional accuracy. The central focusing point is capable of cross-type focusing with EF lenses having a maximum aperture of $f/4$ or greater, or focusing with horizontal component detection with EF lens/extender combinations having a maximum aperture as small as $f/8$. The result is an Area AF sensor system ideally equipped for excellent performance regardless of subject pattern; a system that brings out the true potential of Canon EF lenses and lens/extender combinations.

One-Shot AF (for stationary subjects)

- ◆ At its simplest level, all 45 focusing points can be used simultaneously for optimum auto focus results. Focusing of this kind has the power to transform a simple snapshot into a precisely balanced image. However, the true benefits of 45-point focusing become more apparent when applied to more demanding situations.
- ◆ The 45 focusing points of the EOS-1V provide unique functionality and a new level of focusing control. This system minimizes the problems of focus lock and recomposition, and brings an improved degree of fluidity to the creative process.

AI Servo AF (for tracking moving subjects)

- ◆ The predictive AI Servo AF system allows the tracking of fast-moving objects while maintaining precise focus. Sequential processing regulates an array of events within the exposure process, including the arithmetic processing of AE and AF, the driving of the lens, aperture control, and movement of the mirror and shutter curtains.
- ◆ The precision and focusing accuracy of the AI Servo AF system functions within a high level of synergy for results that are nothing short of incredible. Using the EF 300 mm $f/2.8$ L IS USM lens, they can pursue, focus and continually shoot an approaching subject at speeds of up to 30 mph until it's as close as 26' away.

EOS-1v and EOS-3 Exclusive Focusing Features

EOS-1V: Focusing Assist Button



It's easy to switch to a preselected focusing point simply by pressing the Assist Button. When shooting conditions fluctuate, or fleeting photo opportunities arise, even the most agile photographer will be hard pressed to select just the right focusing point in time. Fortunately, the EOS-1V allows users to register any focusing point as a home position (HP) that can be restored from any focus setting, with a single press of the Assist Button. This extremely handy feature allows photographers to adapt quickly to almost any situation.

EOS-3: Eye Control Response

Eye Controlled Focus is a feature that lets the 45-Point Area AF exhibit its full value.



CANON

EOS-1v/EOS-3

Sophisticated Exposure Control

The EOS-3 and EOS-1v let you capture the light as you see it. Canon's exclusive AIM (Advanced Integrated Multi-Point Control) system integrates Area AF and all six metering modes available with the EOS-1v/3. Focus on a subject within the Area AF ellipse, and they will meter that area for the optimum result where it's needed most. All six metering modes use the 21-zone evaluative metering sensor. Six metering modes, six program modes and three flash metering modes capture your vision in all manner of lighting situations.

METERING MODES

21-Zone Evaluative Metering

Offers efficient coverage of the focus area by defining the active focusing point as the main subject and setting independent metering areas for each of 15 major focusing points within the Area AF ellipse. By considering a range of metered values from adjacent areas, clearly capture the subject, even with various brightness levels in the frame.

Center-weighted Average Metering

Meters the brightness of all zones and calculates exposure from this reading. Metering is weighted: the farther the area is from the center, the lower the sensitivity.

Center Spot Metering

Center spot metering mode covers only 2.4% of the central image area, allowing precise metering of a very small portion of the subject. Idea for achieving the correct exposure for a subject in setting with sharp contrasts in brightness.

Multi-Spot Metering

Express personal preferences for subtle detail in both bright and dark areas when shooting images with significant differences in brightness contrast. Up to eight spot readings can be registered.

Focusing Point-Linked Spot Metering

Linked spot metering not only allows accurate metering that is unaffected by background brightness plus offers a high level of freedom for choosing composition.

Partial Metering at Center

In this mode approx. 8.5% of the central image is metered. The metering area is exceptionally well-defined, which makes it easy to judge the ideal exposure setting based on the brightness balance between the subject and the background. Ideal for those who want to set exposure manually.

AUTOMATIC AND MANUAL EXPOSURE MODES

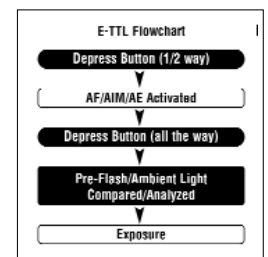
To assist the creative freedom, they have no fully-automated mode that leaves all settings to the camera. Instead they are equipped with convenient AE modes that let you input your will while concentrating on your composition.

- ◆ **Program AE**—They automatically determine the optimum exposure according to the programmed combination of shutter speed and aperture setting. The program can be shifted easily by means of the Main/Quick Control Dials. While the camera remains at an optimum exposure setting, you can select a combination of shutter speed and aperture settings appropriate to the shooting situation.
- ◆ **Depth of-field AE**— This mode lets you manually select two focusing points for calculating the aperture value. This value is used for setting the depth of field at a level that ensures sharp focusing between the two points. Very helpful for portrait shots using a telephoto lens.
- ◆ **AEB (Auto Exposure Bracketing)** allows you to bracket three consecutive frames automatically up to ± 3 stops in 1/3- or 1/2-stop increments. The exposure level changes with each bracketed frame in the order of correct exposure, underexposure and overexposure. Ideal when there is complex lighting or using a narrow latitude film.
- ◆ **Shutter-speed Priority**—while you set the shutter speed (30 to 1/8000 sec.) the aperture is automatically adjusted.
- ◆ **Aperture Priority**—you set the aperture while the camera sets the optimum shutter speed. Effective mode for emphasizing depth-of-field.
- ◆ **Bulb**—essential for shooting night views, fireworks or for astronomical photography. It offers continual exposure for as long as the shutter button is fully depressed. Bulb exposure lapse time can be displayed on the large LCD pane for up to 23 hours, 59 minutes, 59 seconds.
- ◆ **Manual**— for complete control. You select the shutter speed and aperture setting.

FLASH METERING MODES

The EOS-3/ EOS-1v live up to their design philosophy of offering perfect connections between various systems with their two flash metering modes for the advanced E-TTL autoflash mode and the conventional A-TTL or TTL autoflash modes. The cameras make automatic selection between the two flash metering modes depending on the system connected to them.

- ◆ With an E-TTL Speedlite connected, they fire a pre-flash after metering ambient light, then meter the reflected light on the subject. The optimal flash rate is determined through a comparative calculation of the two metered values. The 21-zone metering sensor is used to meter both the ambient light on the subject and the pre-flash.
- ◆ 3-zone TTL off-the-film plane metering offers automatic exposure when shooting with A-TTL or TTL Speedlites. Reflected light on three zones of the film surface is metered using the TTL sensor. An optimal exposure compensation value is set for each zone limited to the focusing point, based on the result of this metering.



CANON

EOS-1v/EOS-3



E-TTL Auto Exposure Flash System

E-TTL automatic flash exposure is also possible when an EX-series Speedlite is mounted. This enables great pictures to be taken with a flash even under difficult lighting situations. The camera is also equipped with a flash exposure compensation function and a first- and second-curtain synchronization switching function, that comes in handy when shooting a moving object in low light.

Canon's most advanced flash exposure control system, E-TTL (Evaluative through-the-lens) is a flash mode that reads through the lens, but not off the focal plane. This method provides several extra features such as Flash Exposure Lock (a method of spot metering with flash) and FP flash mode (the ability to use flash at high shutter speeds). Utilizing a preflash fired after the button has been fully depressed but before the camera's reflex mirror goes up, E-TTL uses the camera's evaluative metering sensor to analyze and compare ambient light exposure values with illumination reflected from the subject by the preflash. This data is used to calculate and store the flash output required for optimum exposure of the main subject, while maintaining a subtle balance between foreground and background.

FE Lock:

Light reflected from the subject by a pre-flash is measured with partial metering for optimum flash control. The main subject can therefore be photographed at the correct exposure even when a high-brightness portion exists in the background. Framing can also be performed without limitation.

High-speed Synchro Photography:

Attach the Speedlite 550EX and a high-speed synchro (FP flash) function is provided. This allows the use of electronic flash even at high shutter speeds. Backgrounds can be blurred intentionally using the high-speed synchro function to select a large aperture.

FEB (Flash Exposure Bracketing):

Without changing the background exposure level, the amount of flash illumination (using the Speedlite 550EX or Macro Ring Lites MR-14EX and MT-24EX) falling on the subject can be automatically changed as follows: standard, underexposure compensation, overexposure compensation. The compensation range is from -3EV to +3EV, in 1/3 or 1/2 step increments.

E-TTL Multiple Wireless Flash:

By using several 550EX Speedlite flashes, multiple flash photography, which normally requires a high level of sophistication, can be performed in full-auto mode.

E-TTL Wireless

E-TTL Wireless enables you to work with two or more 550EX, 420EX or MR-14EX Speedlites to create dramatic studio quality lighting effects without the studio. Simply attach a 550EX, MR-14EX or an ST-E2 Transmitter to the EOS-1v or EOS-3 and position the other Speedlites around your subject. You can use an unlimited number of Speedlite 550EX or 420EX (slave units) to achieve precise main, fill and background lighting. When you shoot, the on-camera Speedlite or Speedlite Transmitter functions as the master unit and transmits wireless signals to the slave units. To achieve your effect, the master unit's flash (550EX or MR-14EX only) can be disabled, however even when disabled it can still transmit wireless signals to the slave units for complete versatility.

Viewfinder

- ◆ Their viewfinders are designed to deliver all information at a glance. Active superimposition displays the focusing point on the 45-Point Area AF. The bottom of the viewfinder displays shutter speed, aperture settings, Eye Controlled Focus (EOS-3 only) and FP flash icons.



- ◆ The exposure compensation scale is positioned on the right side of the viewfinder. There is also a flash compensation scale which makes it possible to sense and control settings for fine differences in the balance of exposure between ambient lighting and your subject.
- ◆ Below the exposure scales is a double-digit counter that tracks the number of exposures taken on the roll of film. Using the custom functions, it is also possible to display the film count in reverse order to count down the remaining shots.
- ◆ The viewfinder of the EOS-3 offers 97% visual field coverage and a magnification ratio of 0.72x. The EOS-1v uses advanced materials to reduce the curvature of field and achieves 100% visual field coverage and a viewfinder ratio of 0.72x—both of which contribute to clear and easy viewing of the subject and accurate framing of the photograph.

Built-in Dioptric Correction (EOS-1v only)

- ◆ Eyesight varies slightly over the course of each day and can also differ on a person's physical condition. Thus, the EOS-1v provides a dioptric correction mechanism on the viewfinder eyepiece that allows the photographer to make adjustments accordingly. Dioptric correction can be performed within a range of ± 2 dpt from the -1dpt default (-1dpt on the EOS-3 also).
- ◆ When shooting without reference to the viewfinder, or when utilizing the self-timer, you can employ the built-in (EOS-1v only) eyepiece shutter to help prevent incorrect exposure caused by unwanted incidental light entering through the viewfinder.

CANON

EOS-1v/EOS-3

EOS-3

The EOS-3 features continuous shooting of up to 4.3 fps in One-Shot AF mode and 3.3 fps in AI-Servo AF. Attach the PB-E2 with AA batteries, the EOS-3 can shoot continuously at 6 fps in One-Shot AF and 5 fps in AI-Servo AF. Use the PB-E2 with the NP-E2 NiMH battery pack, and the EOS-3 achieves a maximum speed of 7 fps in either One-Shot AF or AI-Servo AF.

Active Mirror Control

Canon's Active Mirror Control method replaces the conventional approach of suppressing mirror bound shock from the rear. The ground-breaking mechanism reduces mirror shake, confining it to a short duration and suppressing the shake immediately after it occurs. As a result, mirror blackout time is remarkably reduced. Because the wave height of mirror shake is low after its bounce is suppressed, the finder image stabilizes quickly after the shutter is released in single and continuous shooting. The user always has a clear and sharp viewfinder image.

Shutter

Their electronically controlled rotary magnet shutter eliminate the possibility of operational trouble. It ensures constant operation that remains as accurate as its original performance even after long use and under severe shooting conditions. The shutter blades are made of carbon fiber and super-duralumin, for high reliability in all shooting conditions over extended use. This has been confirmed by in-house testing in which the unit recorded in excess of 150,000 shutter-cycles. The unit performs high-speed shutter operation with exceptional accuracy at a maximum shutter speed of 1/8,000 second and a maximum flash sync speed of 1/250 second.

EOS-1v (HS)

The world's fastest camera, the EOS-1v features continuous shooting of up to 3.5 fps in One-Shot AF mode and 3 fps in AI-Servo AF.

Attach the PB-E2 with AA batteries and it becomes an EOS-1v HS shooting up to 6 fps in One-Shot AF and 5 fps in AI-Servo AF. Use the PB-E2 with the NP-E2 NiMH battery pack, and the EOS-1v HS achieves 10 fps and 9 fps respectively.



PB-E2 Power Drive Booster (CAPBE2)

The PB-E2 is a high-performance motor drive that replaces the standard grip of the EOS-3 or EOS-1v when mounted. When powered with the NP-E2 NiMH battery pack, it delivers high-speed continuous AF shooting of up to 7 frames per second (fps) on the EOS-3 and 10 fps on the EOS-1v.

The booster's controls include a shutter button, AE lock button, focusing point selection button, and FE lock/multi-spot metering button. Vertical grip controls provide the same operating ease in the vertical as when used in the horizontal position. Plus the winding torque of film advance is automatically increased in cold temperatures or when battery power is running low to improve performance. The PB-E2 can also be powered by 8 AA-size alkaline, nicad, NiMH or lithium batteries.....**384.95**

BM-E2 Battery Magazine (CABME2): This magazine is dedicated to and comes with the PB-E2 Power Drive Booster. It holds eight size-AA alkaline, lithium, NiMH or Nicad batteries**49.95**

NP-E2 NiMH Pack (CANPE2): A large-capacity battery pack dedicated to the Power Drive Booster PB-E2, it can be recharged over 500 times. When fully charged, it has enough power for 70 rolls of 36-exposure film.....**124.95**

NC-E2 NiMH Charger (CANCE2): This dedicated charger quickly recharges the NP-E2 NiMH Pack, taking about 90 minutes for one pack. It also prevents excess charging. Two packs can be attached at one time. The discharge feature (taking about 8.5 hours) cancels the NP-E2 memory effect. Runs on 100-240v AC.....**319.95**

BP-E1 Battery Pack (CABPE1): A power-source switchable battery pack operable with a lithium 2CR5 and four size-AA batteries**129.95**

GR-E2 Grip (CAGRE2): Replacement grip for EOS-1v and EOS-3 that don't have a built-in power booster. Also required for the EOS 1v HS when the power booster is removed from the camera body.....**44.95**



BM-E2



NP-E2



NC-E2



BP-E1

Maximum Continuous Shooting Rates

Configuration	Power Source	One-Shot AF	AI Servo AF
EOS-1v	2CR5 lithium battery	3.5 fps	3 fps
EOS-1v + BP-E1	4 AA Alkaline Batteries	3.5 fps	3 fps
EOS-1v + PB-E2	NP-E2 NiMH Pack	10 fps	9 fps
EOS-1v + PB-E2	8 AA Alkaline Batteries	6 fps	5 fps
EOS-3	2CR5 lithium battery	4.3 fps	3.3 fps
EOS-3 + BP-E1	4 AA Alkaline Batteries	4.3 fps	3.3 fps
EOS-3 + PB-E2	NP-E2 NiMH Pack	7 fps	7 fps
EOS-3 + PB-E2	8 AA Alkaline Batteries	6 fps	5 fps



EQUIPMENT LEASING AVAILABLE

CANON

EOS-1v/EOS-3

EOS-1v CONSTRUCTION

Combines strength and elegance to deliver top performance regardless of the shooting environment

The EOS-1v was developed using the strongest available body materials for both functional attractiveness and high-level rigidity. The magnesium alloy used for the EOS-1v is lightweight, yet possesses exceptional strength. Although hard to machine, Canon uses an advanced injection molding technology called "thixo-molding" to mold the delicate curved surfaces of the EOS-1v body. This lightweight body is the perfect blend of rigidity, durability and total precision.

Rigid, reliable diecast aluminum is used for the lens mount on the front panel, and for the front mirror unit—areas critical to the precision of an SLR camera. The EOS-1v's reliability is heightened by its diecast aluminum body and a simplified structure that has no lens driving pin and processes all data electronically. Magnesium alloy is used for the distinctive top and front covers of the EOS-1v, and for the outside covers of the PB-E2 Power Booster. The structure encloses the inner workings with rigid covers, thus increasing internal strength and protecting system precision as a whole.

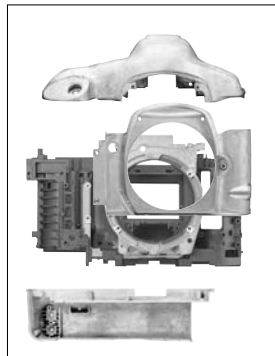
The EOS-1v was built to deliver top performance regardless of the shooting environment. All parts are precisely machined. The aperture and hybrid framework structure which serve as the base for various parts and fittings are diecast aluminum, with glass-fiber reinforced polycarbonate resin, which is equal in strength to metal. The main outside covers are made of magnesium alloy. The lightweight body benefits from remarkably improved rigidity, precision, and durability, realized by the optimum use of carefully chosen high-tech materials.

Sets the Standards for Water and Dust Resistance

Professional cameras must be impervious to sharp changes in temperature; they must also be resistant to water, sand and dust. They must work smoothly under a wide range of conditions. The EOS-1v has been developed and manufactured to reflect feedback from professional photographers who work in severe environments, as well as Canon's own expertise in this area.

Following a reassessment of the severity of conditions that may apply in some shooting situations, Canon has succeeded in raising the level of water and dust resistance. The 72 major body seams and moving parts, such as the shutter button, selector buttons and Main/Quick Control Dials, are carefully sealed with silicone rubber, and the edges of the back cover are thoroughly finished. Furthermore, the battery chamber located inside the new grip GR-E2 is protected by packing, while the insides of function buttons, found on the upper left of the body, are protected from dust and water by a silicone rubber boot. The satisfyingly solid feel and sound of the back cover being closed will tell you that the EOS-1v stands up to the elements like no other camera.

In addition to shielding the moving parts and major seams in EOS-1v body against water and dust, complete measures were taken to secure the lens mount perimeter. The lens mount is protected by a water-resistant rubber O-ring. When the EOS-1v is used together with an IS super-telephoto lens, unrivaled performance is assured in a wide range of shooting conditions.



EOS-3 CONSTRUCTION

Reinforced Body Construction

The glass-fiber reinforced polycarbonate resin body has die-cast aluminum inserts around the aperture area while exterior components are made of lightweight, rigid engineering plastic. Inner surfaces are coated in copper-plating to provide electromagnetic shielding. The body package as a unit is highly shock-resistant and well protected against noise as befits a camera that houses advanced electronics. In addition, both the front (including the grip) and rear covers of the PB-E2 Power Drive Booster are made of magnesium alloy. This tough, lightweight material also acts as an electromagnetic shield.



Water-Resistant and Dust-Proof

The greatest threats to a camera that is loaded with advanced electronics are exposure to environmental hazards such as rain and/or dust. The EOS-3 was built to exhibit superior protection against these threats and thereby provide the highest level of durability under even the severest shooting conditions.

All buttons and dials use rubber gaskets to block out drops of water. And for greater reliability, all the important electrical contacts are bipolar and gold-plated. To protect the heavily-used Main Dial, it too was designed to repel water away from it.

CANON

EOS-1v/EOS-3

Custom Functions

- ◆ Variety is the spice of life. And even the same individual's preference can change depending on the conditions. This is the concept photographers desire in a camera. Ease of operation is an important feature. However, as long as the camera is used as a tool, it must respond to the desires of the photographer. Custom Functions serve to adapt the EOS-1v and the EOS-3 to your preference.
- The EOS-3 provides 18 custom functions that allow fine settings to match the shooting conditions or the user's preference.
- The EOS-1v features 20 custom functions that enable the input of 63 detailed selections and settings. On the EOS-1v, arbitrary setting of Custom Functions can be performed either on the camera itself, or on a personal computer with optional ES-E1 EOS Link Software installed.

Ease of Operation

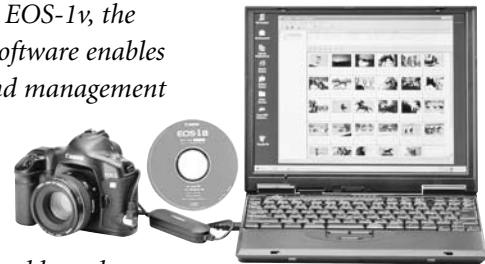
- ◆ They deliver high levels of performance while maintaining the basic form, operability, and logical dial and switch arrangements of all EOS SLR cameras ever made.



- ◆ Equipped with the optional PB-E2 Power Drive Booster, the EOS-3 and EOS-1v deliver the same operability when held in the vertical position as in the horizontal position.
- ◆ The EOS-1v and EOS-3 both benefit from Canon's commitment to offering unrivaled performance in all areas of photography. That means they accept the full range of EOS system accessories including viewfinder accessories, such as the focusing screens, Speedlites, and motor drive accessories.

PC Customization (EOS-1v Only)

Designed exclusively for the EOS-1v, the optional ES-E1 EOS Link Software enables advanced customization, and management of shooting data, through PC connectivity. Simply link the EOS-1v to a PC (with EOS Link installed) via the supplied connecting cable and you can achieve various forms of customization, function extension and data download by following messages on the monitor screen. EOS Link software is comprised of two software applications:



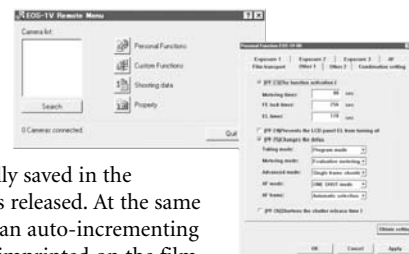
EOS-1v Remote (Personal Function Customization)



Allows advanced Personal Function customization, so the photographer can program the EOS-1v to reflect their own personal preferences, shooting purposes and conditions. Over 30 Personal Functions give even greater customized control over the EOS-1v than Custom Functions provide. With the optional EOS Link installed, you can change, extend and limit the functions of the EOS-1v. To customize your EOS-1v you need only to follow the menu and messages appearing on your monitor. EOS Link enables you to configure your EOS-1v like a custom-made camera.

EOS-1v Memory (Exposure Data Management)

Intensive management of exposure data is readily achieved. Use EOS-1v Memory for downloading up to 25 different types of shooting data from the camera such as shutter speed and aperture, date, time and more with each frame of film Values are automatically saved in the camera's memory each time the shutter is released. At the same time, an arbitrary two-digit number and an auto-incrementing three-digit ID number are automatically imprinted on the film leader. This means the film and shooting data can be matched.



The storage capacity of the built-in memory varies depending on the number of items to be recorded. In general, data can be saved for 50 to 200 rolls of film with 36 exposures, with data for 100 rolls being recorded in the standard setting.

If all shooting data is input to a PC via the EOS Link software it can be managed intensively for reading and editing. If scanned images are attached as thumbnails to the shooting data, the arrangement and searching of data can be performed more quickly and efficiently. This software thus enables users to manage film data effectively.



For Any Inquiries Regarding Your Order, Call Our Customer Service:
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

EOS-1v, EOS-3, EOS ELAN 7N/7NE SPECIFICATIONS

EOS ELAN-1v PRICING

EOS-1v Camera Body (CAE1V)
With wide strap RF3 body cap and Eyecup Ec-II**1649.95**

EOS-1v Camera Kit (CAE1VHS): Includes EOS-1v Body, PB-E2 power drive booster, RF3 body cap, wide strap and Eyecup EC-II**1969.95**

EOS-1v Camera Kit (CAE1VK)

Includes EOS-1v Body, PB-E2 power drive booster, RF3 body cap, GR-E2 grip, wide strap, AA Battery Magazine BM-E2 and Eyecup EC-II ...**1979.95**

EOS-3 PRICING

EOS-3 Camera Body (Eye Control) (CAE3)

With wide strap, RF3 body cap and Eyecup ED**874.95**

EOS-3 Camera Kit (CAE3K): Includes EOS-3 Body, PB-E2 power drive

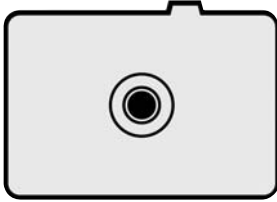
booster, RF3 body cap, wide strap and Eyecup ED**1249.95**

	EOS-1V	EOS-3	EOS ELAN 7N/NE
Autofocus System	TTL-AREA-SIR CMOS Sensor. One-shot and AI Servo AF with Focus Prediction. Manual focusing confirmation possible with EF lenses. Automatic and manual focusing point selection	TTL-AREA-SIR CMOS sensor. One-shot and AI Servo AF with Focus Prediction. Manual focusing confirmation possible with EF lenses. Eye Controlled Focus point selection, automatic focusing point selection and manual point selection.	TTL-CT-SIR CMOS sensor. One-shot and AI Servo AF with Focus Prediction. Manual focusing confirmation possible with EF lenses. Focusing point selection by Eye Controlled Focus (7NE only), automatic focusing point selection and manual point selection.
Special Features	Custom Functions (20 custom functions with 63 settings; 3 user-set groups possible); Quick Control Dial; PC Link (with optional ES-E1 software); Auto Exposure Bracketing (± 3 steps in 0.3 EV); Multiple Exposure; Depth-of-Field Preview; Mirror Lock; PC terminal; N3 remote control socket; EOS-1V HS includes accessory Power Drive Booster PB-E2	Custom Functions (18 selectable features) Quick Control Dial; Auto Exposure Bracketing (± 3 steps in 0.3 / 0.5EV increments); Multiple Exposure; Depth-of-Field Preview; Mirror Lock; PC terminal; N3 remote control socket; Accepts optional Power Drive Booster PB-E2	Metal exterior with Ultra Matte Coating; Electroform parts for the nameplate and top dials; Retractable built-in flash; Custom Functions (13 functions, 34 settings); Depth-of-Field Preview; Quick Control Dial; Auto Exposure Bracketing (± 2 steps in 0.5EV increments); Multiple Exposure; Mirror Lock; Compatible with Battery Pack BP-300 and RS-60E3 Remote Control
Focusing Points	45 (Area AF Ellipse)	45 (Area AF Ellipse)	7 (with red illumination)
Built-in Aux. AF Light	—	—	Yes
Shutter Speeds	30-1/8000 sec & Bulb, manually selectable in 1/3, 1/2 or 1-stop increments	30-1/8000 sec & Bulb, manually selectable in 1/3, 1/2 or 1-stop increments	30-1/4000 sec & Bulb, manually selectable in 1/2 stop increments
Max.Flash Sync Speed	1/250 sec.; high-speed sync. available with EX-series Speedlites	1/200 sec.; high-speed sync. available with EX-series Speedlites	1/125 sec.; high-speed sync. available with EX-series Speedlites
Frames Per Second	Single and 3.5 fps.	Single and 4.3 fps.	Single and 4.0 fps.
Metering System	21-zone evaluative metering, 8.5% partial area metering, 2.4% center spot metering, 2.4% spot metering (linked to user-selected focusing point, Multi-spot metering (up to 8 spot readings), Center-weighted average metering, Pre-flash metering (E-TTL), 3-zone off-the-film TTL flash metering	21-zone evaluative metering, 8.5% partial area metering, 2.4% center spot metering, 2.4% spot metering (linked to user-selected focusing point, Multi-spot metering (up to 8 spot readings), Center-weighted average metering, Pre-flash metering (E-TTL), 3-zone off-the-film TTL flash metering	35-zone evaluative metering, Center-weighted average metering, 10% partial area metering, TTL/ A-TTL autofocus, Pre-flash metering (E-TTL II), 3-zone off-the-film TTL flash metering
Flash Exposure Compensation	± 3 stops in 1/3 or 1/2-stop increments (works with all EOS Speedlites)	± 3 stops in 1/3 or 1/2-stop increments (works with all EOS Speedlites)	± 2 stops in 1/2-stop increments (works with all EOS Speedlites)
Viewfinder Coverage	100% horizontal and vertical at 0.72x	97% horizontal and vertical at 0.72x	92% horizontal and 90% vertical at 0.70x
Self-Timer	Electronically controlled with 2- or 10-second delay	Electronically controlled with 2- or 10-second delay	Electronically controlled with 10-second delay
Body Dimensions (WHD)	6.3 x 4.7 x 2.8"	6.3 x 4.7 x 2.8"	5.8 x 4.0 x 2.7"
Weight (Body Only)	33.3 oz.	27.5 oz.	20.3 oz.

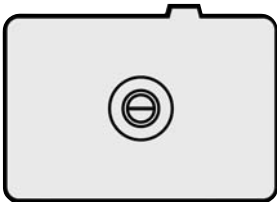
CANON

EOS-1v/EOS-3 ACCESSORIES

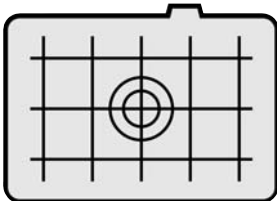
FOCUSING SCREENS



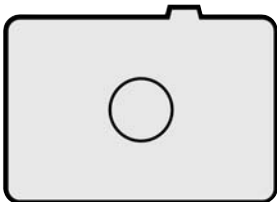
Ec-A Microprism



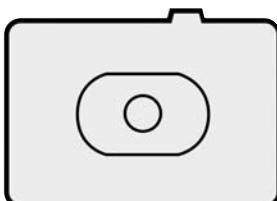
Ec-B New Split



Ec-D Laser-Matte with Selections



Ec-C II Standard Laser Matte



Ec-C III Laser-Matte

Ec-A Microprism (CAFSAE1)

Matte field with microprism focusing spot in the center. Used for general photography with all lenses, best results obtained when using an aperture of f/5.6 or faster.....32.95

Ec-B New Split (CAFSBE1)

Matte field with split-image focusing spot in the center. Used for general photography with all lenses.....32.95

Ec-C II Standard Laser-Matte

Matte field screen with spot metering mark in the center32.95

Ec-C III Laser-Matte (CAFSCE1V)

The standard screen that comes with the EOS-1v and EOS-1v HS, and compatible with all EF lenses. This screen includes an Area AF ellipse and spot-metering circle. Manual focus can be checked anywhere on the screen32.50

Ec-D Laser-Matte with Selections (CAFSDE1)

Matte field with sections. Grid lines assist in determining accurate picture composition. Especially suited for close-up photography or copy work using EF macro lenses. Can also be used for general photography with all lenses.....32.95

Ec-H Laser-Matte with Scale (CAFSHE1)

Matte field with vertical and horizontal scales marked in millimeters. Effective for close-up photography and photomicrography. Useful in determining magnification ratios and composition. Can be used with all lenses32.95

Ec-I Laser Matte with Double Cross-Hair Reticle (CAFSIE1)

Matte field with clear center spot containing double cross-hair reticle. Focusing is possible using the floating image of the central cross-hair. Use for photomicrography and astrophotography32.95

Ec-L Cross-Split Image (CAFSLE1)

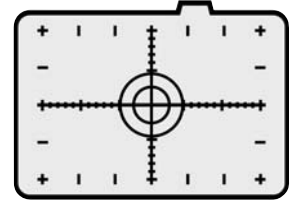
Matte field with cross-split image in the center, which divides the subject in half both vertically and horizontally for accurate manual focusing. Used for general photography with all lenses, best results obtained when using an aperture of f/5.6 or larger.....32.95

Ec-N Bright Laser-Matte (CAFSNE3)

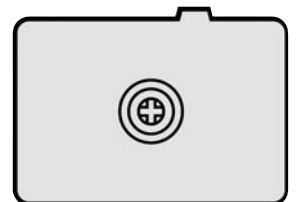
The standard screen that comes with the EOS-3. The outer oval-shaped area defines the coverage lot of the 45 AF points; the inner circle is for spot end FEL metering. When shooting, the focusing points will be indicated in red LCD markings. Along with the Ec-R screen, it is approximately 1/2-stop brighter than the other Laser-Matte series screens33.95

Ec-R Overall Bright Laser-Matte (CAFSRE1NRS)

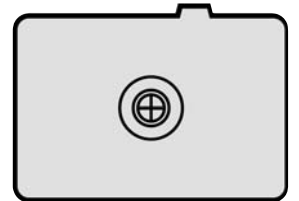
This screen compensates for decreased viewfinder brightness due to the low reflection factor of the pellicle mirror. It is about 1/2-stop brighter but otherwise similar to the Ec-CIII focusing screen that comes standard with the EOS-1v and EOS-1v HS32.95



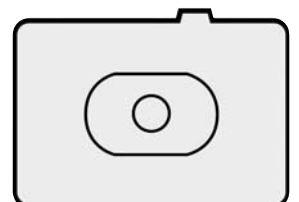
Ec-H Laser-Matte with Scale



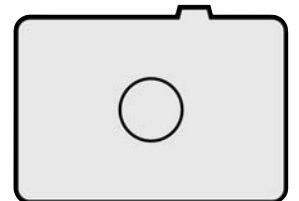
Ec-I Laser Matte/Double Cross



Ec-L Cross-Split Image



Ec-N Bright Laser-Matte



Ec-R Overall Bright Laser Matte

EOS-1v/EOS-3 ACCESSORIES

VIEWING ACCESSORIES

For more customization, many of Canon's EOS cameras are compatible with a vast choice of eyecups, diopter lenses and more for greater versatility in a number of shooting situations.

Eyecup Ed

(Replacement) (CAECED):

For soft eye contact even when wearing glasses, for

EOS-313.95



Eyecup Ed-E

(CAECEDE):

Large eyecup designed for the EOS-3 it keeps out

most sunlight and other external light, substantially enhancing viewfinder visibility. Especially helpful for eyeglass wearers when photographing outdoors. The mount can be rotated for vertical shots.....19.95

Eyecup EC-II

(Replacement)

(CAEC2): For soft eye contact even when

wearing glasses, for EOS-1v14.95



Rubber Frame EC (CAFEC):

Replaces the standard eyecup on the EOS-1v when used with a

Diopter Adjustment Lens E14.95



EP-EX15 Eyepiece Extender (CAEPEX15)

Designed for the EOS-1v, the EP-EX15 extends the eyepiece by 5/8" (15mm) from the camera

body and reduces viewfinder magnification by 30%. Useful for eyeglass wearers to prevent the tip of the nose from touching the camera body17.95



Angle Finder C (CAFAC)

Lets you adjust the viewing angle, while providing a 2.5x magnification for critical focusing, or a full-screen image (1.25x) that includes exposure data. Provided with built-in diopter adjustment. Includes Ec-C & Ed-C adapters to fit any EOS camera179.95



Anti-Fog Eyepiece Ec (CAEPAFE1)

Designed for the EOS-1v, the eyepiece prevents the fogging of the viewfinder lens in both extremely cold and hot climates. The anti-fog coating provides clear viewing under the severest conditions.....39.95



Anti-Fog Eyepiece Ed (CAEPAFE3)

Designed for the EOS-3, the eyepiece prevents the fogging of the viewfinder lens in both extremely cold and hot climates. The anti-fog coating provides clear viewing under the severest conditions.....39.95



Diopter Adjustment Lens E

(Without rubber frame for EOS-1v)



Provide near and far-sighted users a clear viewfinder image without their glasses. Available in

ten types from +3 to -4 dpt to match your eyesight. (See below for ordering information).

Diopter Adjustment Lens Ed

(With rubber frame for EOS-3)

Provide near and far-sighted users a clear viewfinder image without their glasses. Available in eight types from +3 to -4 dpt to match your eyesight. (See below for ordering info).



DIOPTRIC ADJUSTMENT LENSES

These Diopter Adjustment Lenses provide near and far-sighted users a clear viewfinder image without their glasses. Available in ten types from +3 to -4 dpt to match your eyesight. Each type fits into the eyepiece holders of the indicated EOS models for convenient use and comfortable fit.

..... For EOS-1v

+2 Lens E (CADP2E)13.95	0 Lens E (CAD0E)13.95
+1.5 Lens E (CADP1.5E).....13.95	-2 Lens E (CADM2E)13.95
+1 Lens E (CADP1E)13.95	-3 Lens E (CADM3E)13.95
+0.5 Lens E (CADP.5E).....13.95	-4 Lens E (CADM4E)13.95

..... For EOS-3, Elan 7N & Elan 7NE

+3 Lens Ed (CADP3EE7).....26.95	0 Lens Ed (CAD0EE7)26.95
+2 Lens Ed (CADP2EE7).....26.95	-0.5 Lens Ed (CADM.5EE7) ..26.95
+1.5 Lens Ed (CADP1.5EE7) ..26.95	-2 Lens Ed (CADM2EE7).....26.95
+1 Lens Ed (CADP1EE7).....26.95	-3 Lens Ed (CADM3EE7).....26.95
+0.5 Lens Ed (CADP.5EE7) ..26.95	-4 Lens Ed (CADM4EE7).....26.95

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CANON

FLASHES & ACCESSORIES

SPEEDLITE 220EX

Designed for automatic operation only, the 220EX features E-TTL evaluative pre-stored flash exposure control, FE Lock and FP Flash (High Speed Sync) for flash photography up to top shutter speed. When in E-TTL mode, flash exposure is measured and controlled by the camera. Subject position, ambient light level, evaluative metering and pre-flash data are instantly analyzed, including backlighting or reflections. Runs on 4 AA batteries (alkaline, lithium or nicad).



- ◆ Recycling Time: 0.1 to 4.5 sec.; Flash Capacity: 250 to 1700
- ◆ Flash Range: 2.3 ft./0.7m to 63 ft./22m (ISO 100)

Speedlite 220EX (CA220EX).....IMP. 114.95 / USA 119.95

SPEEDLITE 420EX



Powerful yet affordable, the E-TTL compatible 420EX is designed to unlock your creative capabilities while still maintaining exceptional ease of use. It features a fully swiveling bounce head that automatically zooms over a range of 24-105mm, while wireless E-TTL compatibility permits it to function as a "slave" triggered by a 550EX; ST-E2, or MR-14EX/ MT-24EX.

- ◆ Guide Number 138 (ISO 100, feet) at 105mm; 101 at 35mm setting

- ◆ Approximately 1/2-stop less powerful than the 550EX
- ◆ Full E-TTL flash operation including high-speed FP sync mode, and FE Lock (spot / partial flash metering)
- ◆ Powered by 4 AA-size batteries (alkaline, lithium, nicad, NiMH)

Speedlite 420EX (CA420EX)IMP. 174.95 / USA 179.95

SPEEDLITE 550EX

Used with your EOS camera, the 550EX—maximum GN 55/180, ISO 100m/ft.—offers full E-TTL operation including, FP Flash (high speed sync), FE lock (flash version of AE lock), and flash exposure bracketing. Modeling flash lets you check flash lighting effects (flash balance, shadows, etc.) A strobo flash with high frequency is also available for a greater percentage of successful shots.



Provides autozoom coverage from 24-105mm with a built-in 17mm wide panel, flash exposure compensation and variable-power manual flash. Built-in wireless transmitter (master unit) to control other 550EX and 420EX Speedlites as slaves for main, fill and background lighting. (Includes a mini-stand so it can be used as a slave unit). Runs on 4 AA batteries (alkaline, nicad or lithium), or with optional Canon power supplies.

Speedlite 550EX (CA550EX)IMP. 299.95 / USA 319.95

MR-14EX MACRO RING LITE

Dramatically enhance your close-up and macro capabilities. It incorporates E-TTL autoflash control to achieve more natural flash pictures. In addition to Guide Number 14/46 (at ISO 100, m/ft.), photographers can take advantage of high-speed sync (FP flash), flash exposure lock (FEL), flash exposure bracketing (FEB), and variable power manual flash. Circular twin flash tubes can fire at even power, or varied between them over a six-stop range, and one or more 550EX Speedlites can be used as wireless slaves along with the MR-14EX.

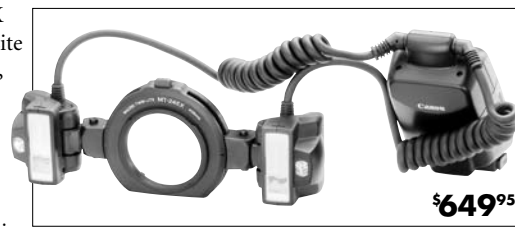


MR-14EX and MT-24 EX Common Features

- ◆ Attach directly to EF 50mm f/2.5, 100mm f/2.8, and MP-E 65mm Macrophoto Lenses (can also be used with EF 180mm f/3.5L Macro USM via Macrolite Adapter 72C). Illuminated LCD panel for easy flash settings in any lighting condition.
- ◆ Incandescent focusing lamps and two forms of modeling flash permit preview of lighting effects.
- ◆ Powered by AA-size alkaline, lithium, nicad and NiMH batteries. They can also accept optional external battery packs (Canon Compact Battery Pack CP-E2 and Transistor Pack E).

MT-24EX MACRO TWIN LITE

The MT-24EX Macro Twin Lite gives close-up, nature, and macro enthusiasts a different option in macro lighting—



a directional quality of light, as opposed to the rather "flat" character of the traditional ring lite. Two separate flash heads can be swiveled around the lens, can be aimed separately, and even removed from their holder and mounted off-camera. The MT-24EX is fully E-TTL compatible with all EOS bodies and even allows wireless E-TTL flash control with one or more 550EX and/or 420EX "slave units". Provides easy ratio control of each flash head's output, over a six-stop range.

- ◆ Each head can be rotated around lens in an 80° arc, swiveled inward/outward over a 90° arc, and up/down over a 90° arc.
- ◆ Each head is removable, and has both a standard shoe-mount and 1/4-20 tripod socket at the base to facilitate mounting off-camera.
- ◆ Powerful guide number (72 ft/22m) allows smaller apertures and greater depth-of-field when necessary.

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CANON

FLASHES & ACCESSORIES

SPEEDLITE 580EX

Canon's flagship Speedlite, the 580EX is smaller, lighter, faster and more powerful than the 550EX. A powerful flash with a maximum guide number of 191 at ISO 100 in feet (at 105mm), it offers 25% faster recycling, more consistent color, and enhanced controls that all photographers, especially those who shoot digital, will find useful.

It is compatible with Canon's E-TTL II auto exposure, which utilizes subject distance and other information to automatically modify flash power, when it is combined with a compatible Canon camera and lens. Ideal for photographers that shoot high contrast or reflective subjects, like those encountered in wedding photography.

For intuitive control, the 580EX's control dial, SET button and high-speed sync/shutter curtain synchronization button put all major functions at the photographer's fingertips. A new AF-assist beam is better matched to the different focusing point arrangements of various EOS SLRs.

Flash head swivels 180° in both directions, while a single release lock controls tilt and swivel adjustments. Wide-angle diffuser covers a 14mm focal length, and a catchlight reflector provides optimal lighting quality during bounce-flash photography. For convenience, 14 custom functions allow maximum control over various flash functions such as recycling with external power.

Speedlite 580EX (CA580EX).....IMP. 379.95 / USA 389.95



Optional Battery Packs for Canon Speedlites



CP-E3 Compact Battery Pack (CACPE3): Accepts 8AA-size alkaline, nicad or lithium batteries (for all Speedlites except the 220EX)139.95

Transistor Pack E (CATPE): External Battery Pack for all Speedlites except the 220EX. Powered with the included Battery Magazine TP (which holds six C-size alkalines), or the optional rechargeable Nicad Pack TP. Includes Battery Magazine TP and Connecting Cord ET141.95

Transistor Pack E NiCd Set (CATPENS): Includes NiCd Pack TP, Nicad Charger TP and Connecting Cord ET (for all Speedlites except the 220EX)249.95

NiCd Pack TP (CABPNT): For Transistor Pack E. Requires NiCd Charger TP ...109.95

NiCd Charger TP (CACTP): For NiCd Pack TP. Charges in 15 hours53.95

Battery Magazine TP (CABMTP): Replacement battery insert for the Canon Transistor Pack E. Holds six C-size alkaline batteries26.95

ST-E2 Speedlite Transmitter (CASTE2)

A master control device for a wireless Speedlite flash system, the ST-E2 eliminates the need for any connecting wires. Mounted as a clip-on with shoe lock lever and locking pin, the ST-E2's dedicated transmitter controls an unlimited number of 420EX or 550EX Speedlites as slave units up to 33' away outdoors and 49.5' outdoors.

Sets and controls all functions of its Speedlite slave units. Flash ratios, for example, are controllable between two groups of 420EX and/or 550EX Speedlites, over a six-stop range.....209.95



Speedlite Cables & Adapters

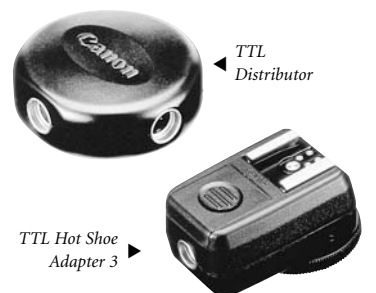
Off-Camera Shoe Cord 2 (CASC20C)
Allows you to use your Speedlite off camera (up to 2') while maintaining all on-camera flash functions49.95



Off-Camera Shoe Adapter (CAOCSAOA2)
For off-camera applications of Speedlite flash units, this adapter will accept one Speedlite and a connecting cord to the camera.....29.95

Connecting Cord 60 (CACC60)
2' coiled cord, with connections on both ends.....39.95

Connecting Cord 300 (CACC300)
9.8' straight cord, with connections on both ends.....44.95



TTL Hot Shoe Adapter 3 (CAHSA3TTL)
Placed in the EOS camera's accessory shoe, this device controls up to 4 off-camera speedlites.....63.95

TTL Distributor (CADTTL)
System connector, accepts up to 4 connecting cords.....47.95

CAMERAS & LENSES

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CANON

ACCESSORIES

EX-Series Speedlite Lineup

	Speedlite 580EX	Speedlite 420EX	Speedlite 220EX	Macro Twin Lite MT-24EX	Macro Ring Lite MR-14EX
Dimension (W x H x D)	2.99 x 5.28 x 4.49"	2.82 x 4.84 x 3.91"	2.7 x 3.62 x 2.42"	Control Unit: 2.9 x 4.9 x 3.8" Flash Unit: 9.3 x 3.5 x 1.9"	Control Unit: 2.9 x 4.9 x 3.8" Flash Unit: 9.3 x 3.5 x 1.9"
Weight (without batteries)	13.2 oz.	10.6 oz.	5.6 oz.	20.64 oz. (flash & control unit)	15.1 oz. (flash & control unit)
Compatibility	All EOS SLRs	All EOS SLRs	All EOS SLRs	All EOS SLRs	All EOS SLRs
Max. Guide Number (ISO 100)	191'	138'	72.2'	79'	45.9'
Power Source	AA (Alkaline, re-chargeable nicad, Lithium, NiMH) batteries (x4); Compact Battery Pack CP-E3; Transistor Pack E	AA (Alkaline, re-chargeable nicad, Lithium, NiMH) batteries (x4); Compact Battery Pack CP-E3; Transistor Pack E	AA (Alkaline, re-chargeable nicad, Lithium, NiMH) batteries (x4)	AA (Alkaline, re-chargeable nicad, Lithium, NiMH) batteries (x4); Compact Battery Pack CP-E3; Transistor Pack E	AA (Alkaline, re-chargeable nicad, Lithium, NiMH) batteries (x4); Compact Battery Pack CP-E3; Transistor Pack E

REMOTE CONTROL ACCESSORIES

These accessories are handy for taking pictures of subjects that are difficult to approach, or to minimize vibration for close-ups and time exposure.

LC-4 Wireless Controller (CALC4S)

An infrared strobe-type wireless control system with a maximum range of 330' (several sets can be linked together for further extension.) There are 4 control modes: single exposure, continuous exposure, test and 3.5-second delay. A 2-stage switch enables individual control of metering and shutter release. Three transmitter channels are available, as well as an "All" position for operating several cameras from an individual transmitter via multiple receivers. The receiver features a signal confirmation light and a 1-step release mode for minimum time lag.....**409.95**



Remote Switch RS-80N3 (CARS80N3)

Remote switch with a 2.6' cord to prevent camera shake for super telephoto shots, macro photography, and bulb exposures. It works just like a shutter button, enabling halfway or complete pressing. It also has a shutter release lock. Quick-lock connects to the camera's remote control socket.....**49.95**

Timer Remote Controller TC-80N3 (CATC80N3)

Remote switch with a 2.6' cord, a self-timer, interval timer, long-exposure, and exposure-count setting feature. The timer can be set anywhere from 1 sec. to 99 hours, 59 min, 59 sec. A dial enables you to easily enter the numeric settings with a single thumb. The LCD panel can also be illuminated.....**132.95**



Extension Cord ET-1000N3 (CAET1000N3)

33' extension cord for connecting the camera with the TC-80N3 or RS-80N3.....**74.95**

Remote Switch 60-T3 (CARS60T3):

An electronic cable release handy for taking pictures of subjects that are difficult to approach, or to minimize vibration for close-ups and time exposure. Fitted with a 2' cord and 3-pin terminal for independent control of light metering and shutter release. (Requires Remote Switch Adapter RA-N3)**41.95**



Remote Switch 60-T3

Remote Switch Adapter RA-N3 (CARAN3): This adapter allows the Remote Switch 60-T3 to be used on the EOS-1v and EOS-3.....**43.95**

DB-E2 Date Back

Designed exclusively for the Canon EOS-1v, EOS-1v HS and EOS-3, the Date Back DB-E2



offers a quartz auto date imprinting function. Interchangeable with the camera back, it is fitted with a standard back cover and functions with a Quick Control Dial and LCD display. Imprints dates to the year 2020 in five formats:

- Year/Month/Day
- Day/Hour/ Minute (with 24-hour display)
- Blank
- Month/Day/Year
- Day/Month/Year imprinting can be turned off at any time

DB-E2 Date Back (CADBE2).....126.50



4x and 8x Loupes

Designed for viewing 35mm film frames at high magnifications, these loupes use a high-performance use a high performance lens system that eliminates all aberration and distortion. They offer diopter adjustment of -4 to +1 dpt, and include an eyecup, hood and case.

4x Magnifying Viewer (CAL4X).....139.95

8x Magnifying Viewer (CAL8X).....159.95



CANON

ACCESSORIES

2-Year Extended Warranty for EOS-1v, EOS-1v HS & EOS-3 (CAEWEIN)



This extended warranty covers an additional two (2) years of parts and labor service from date of purchase. Applies to Pro EOS camera bodies including the EOS-1V, EOS-1v HS and EOS-3.

The equipment will be guaranteed to operate properly according to manufacturer's specifications or will

be repaired to operate properly at no charge to you. This warranty does not cover equipment which has been misused, tampered with, modified or damaged as a result of accident, water, grit, impact or lack of proper care as indicated in the manual of operations. This limited warranty is non-transferable. This warranty must be purchased within 30 days of original equipment purchase.....**49.95**

Camera Straps for EOS Cameras



EW-100 Wide Camera Strap (CASWRE): 1.5" wide strap designed to carry EOS or other cameras safely and comfortably. Features a built-in eyepiece cover for EOS SLR cameras. Red color.....**14.95**

EW-100 Wide Camera Strap (CASWMBE): Same as above in Marble and Blue**14.95**

EW-100 Wide Camera Strap (CASWBE):
Same as above in Black**14.95**

L3 Neck Strap for EOS Cameras (CASNL3): For EOS cameras - especially EOS-1 and EOS-1v**22.50**

Professional Strap 1 (CASPIB):
Rugged, high-quality neck strap featuring durable non-slip backing, quick-release clips and anti-twist hardware to make carrying and shooting with your camera hassle-free.
Black color.....**12.49**



Professional Strap 1 (CASPIGR)
Same as above in Green.....**12.95**

E1 Hand Strap (CASHE1): Designed for cameras that have a built-in power booster or grip, or where an optional power booster or extension grip has been added, the E1 Hand Strap adds security to hand-holding the camera. The strap attaches with one end to the eyelet at the top of the camera, and the other end to the eyelet in the base of the booster/grip**22.95**

Black Wide Lens Strap (CASW).....29.95

Accessories

Deluxe Tripod 200 (CADT200)

This lightweight, high-quality tripod is designed for easy portability and maximum stability. It features a 3-way pan head for precise control and smooth movement. The 3-section tubular leg construction allows for exceptional stability indoors or out. The tripod also features a built-in spirit level and a quick-release shoe and comes with a convenient carrying case. The Deluxe Tripod 200 is 59.33" extended, 21.67" folded and weighs 2.65 lbs.....**39.95**



Mini Tripod 7 (CAMT7)

A tabletop tripod with ballhead that supports light SLR's or compact cameras. Legs extend approximately 8"**14.95**



Monopod 100 (CAMP100)

A lightweight, high-quality monopod featuring a deluxe 4-section compact tubular leg with quickside-lever leg locks and rubber tipped foot for added stability. The monopod 100 has a foam-covered handgrip, wrist strap and a ball socket head. It is 63" extended, 20.5" folded and weighs 16 oz.....**29.95**

S3 SLR Custom Accessory Pack (CAAKS3)

For EOS-1v and EOS-3. Includes a 58mm Haze UV filter, a Lens Care Kit, and a 2CR5 6v lithium battery**24.95**

S5 SLR Custom Accessory Pack (CAAKS5)

For EOS Rebel Ti and K2. Includes a 58mm Haze UV filter, a Lens Care Kit, and two CR2 3v lithium batteries**23.95**

S6 SLR Custom Accessory Pack (CAAKS6)

For Elan 7 / 7e, Rebel and G II. Includes a 58mm Haze UV filter, a Lens Care Kit, and two CR123A 3v lithium batteries**24.50**



CD Rom: The Eyes of EOS (CACDREE)

This CD covers EF lens basics and advanced technologies. It has images of EF lenses, and offers a lens glossary and technical information. Compatible with Macintosh OS 8.0 or later and Windows 95 or 98.**16.95**

R-F-3 Body Cap (CABCRF3)

For EOS bodies and extension tube fronts**6.95**

CANON

EF LENSES

EF lenses fuse state-of-the-art electronics with mechanical precision, and optical excellence. The fully electronic EF lens mount is unique among 35mm SLR cameras, operating silently with unmatched reliability due to the complete elimination of mechanical couplings. Every EF lens contains its own custom-designed autofocus motor and microprocessor. Many utilize Canon's exclusive Ultrasonic Motor (USM) technology.

Canon is also a leader in the use of aspherical lens elements, fluorite crystal, Ultra-low dispersion (UD) glass and other advanced optical technologies. Uniformly high optical performance results from the extensive use of exclusive Canon-developed manufacturing techniques in Canon's own factories, the world's largest for 35mm cameras and lenses.



Fully Electronic Mount System

In designing the EF lens mount, Canon engineers gave a lot more than just a way to quickly attach a lens to a camera body. The fully electronic mount system has none of the shock, operational noise, abrasion, slow response or design restrictions related to linkage mechanisms used to transfer data. Instead, about 50 items of information are exchanged as digital signals between the lens and camera in real time. This enables high-speed and precision control as well as improved reliability.

- ◆ Quiet, high-speed, high-precision AF from fisheye to super telephoto since the optimum actuator can be incorporated into each lens.
- ◆ Quiet, high-precision aperture, or digital diaphragm control.
- ◆ Allows the aperture to be stopped down to pre-view depth of field and helps increase shooting speed by keeping the aperture stopped down during continuous shooting sequences.
- ◆ Permits fully automatic diaphragm control with Canon tilt-shift TS-E lenses.
- ◆ Using variable-aperture zoom lenses, any manually set f/stop (except for maximum aperture) is maintained throughout the zoom range.
- ◆ Automatic compensation and display of the change in the lens' effective F-number when an extender is mounted between lens and camera.
- ◆ Self-test system using the lens' built-in micro-computer warns of malfunctions through the camera's LCD to help ensure high reliability.

Inner and Rear Focusing

An inner focusing lens has the focusing lens group(s) in front of the diaphragm, while a rear focusing lens has the focusing lens group(s) behind. Both systems allow the focusing lens group to be small. This minimizes the load on the actuator which drives the autofocus. In turn, the AF speed is faster. The whole optical system can also be made more compact. And, since the lens doesn't rotate during focusing, the effects of a circular polarizer or gel filter remain intact.

Floating System

Ordinary lenses (non-zoom) are designed to give the best results when the correction of aberrations is most effective. This is usually at the most commonly-used focusing distances. At other focusing distances especially at the closest focusing distance, aberrations tend to appear. Canon's floating system suppresses aberrations at close focusing distances. The system adjusts the gap between certain lens elements in correspondence to the focusing distance, effectively correcting the aberration. The result is high image quality with aberrations suppressed at all focusing distances.

Built-In Motor and EMD

EF lenses have a built-in AF motor for driving energy with lower transmission loss. The lenses also have an EMD (Electromagnetic Diaphragm) to electronically control the aperture with unmatched precision. The aperture can be set either with an electronic dial or with the electronic pulse signal sent according to the exposure reading.

Full-Time Manual Focusing

EF lenses have very high AF precision, quickly achieving optimum focus in almost any shooting situation. Most are also equipped with Canon's full-time manual focusing mode to make picture-taking even more flexible. Lenses with this feature let you switch to manual while in AF mode—overriding the autofocus mode. You can keep looking through the viewfinder and touch up the focus manually without switching the focus mode switch. Two type of manual focusing: Electronic manual where the rotation amount of the focusing ring is detected and the focusing motor is driven electronically. Or, mechanical focusing, where the rotation of the focusing ring adjusts the focus mechanically.



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CANON

EF LENSES

Image Stabilizer

Canon has developed a series of truly unique lenses equipped with an Image Stabilizer (IS) function that let you capture photos that would otherwise be blurred due to camera movement, greatly expanding the range of handheld-camera photography.

To get sharp images when taking handheld pictures, the general rule of thumb is to set the shutter speed to 1/1 over the focal length, or the closest available setting on your camera. (i.e. 1/60 sec. with a 50mm lens, 1/250 sec. with a 200mm lens, 1/500 sec. with a 500mm lens and so on.) Generally, this is no problem, if all your pictures are taken outdoors on a bright, sunny day. But blurred pictures due to camera shake become more of a problem when taking pictures in dim light - at dusk, indoors, on a cloudy day. And the chance of getting blurred pictures is greater when using longer focal length lenses that magnify the image and any associated movement.

To overcome these problems, Canon developed the world's first SLR lens with a built-in image stabilizer. Electronic signals emitted by vibration-detecting gyro sensors are used to move the image-stabilizing lens group in parallel along the optical axis, providing clear picture quality at all times. Actual shooting tests result in improvement equivalent to using a shutter speed two steps faster.

In many shooting situations where photographers are not allowed to use a tripod or flash, such as art museums and concert halls, Canon IS lenses are your ticket to sharper pictures.

Ultrasonic Motors (USM)

In order to achieve critical autofocus, the elements within a camera lens have to move quickly, quietly, and with exacting precision. To accomplish this, Canon developed the world's first lens-based Ultrasonic Motor (USM). Based on a totally new technology, the motor spins by ultrasonic oscillation energy. In effect, instead of a large, noisy drive-train system, electronic vibrations created by a piezoelectric ceramic element power the mechanical action of the lens. In a very broad comparison, it's like the difference between a mechanical watch with gears and springs and quartz-timed watch movement. Therefore, torque is constant and start and stop functions virtually instantaneous. By making the autofocus operation almost inaudible and by accelerating the autofocus speed, this type of motor greatly expands the shooting possibilities for Canon photographers. There is virtually no whining noise as the lens focuses to distract the subject or draw attention to the photographer. Most important for the photographer in the field, the motor draws minimal power so the camera batteries last longer.



Ring-Type USM



Micro USM

You'll find two types of Canon Ultrasonic Motors in the camera lens system, each optimized for maximum efficiency and effectiveness. Ring-type USM-equipped lenses, found in large aperture and super telephoto designs, allow manual focusing without switching out of the auto mode. It's a direct-drive system that provides all the above advantages. Micro USM designs bring the performance benefits of Canon's USM technology to a wide assortment of affordable EF lenses. Extremely compact and light, this USM is even used on lenses as small as the EF 28-90mm and EF 22-55mm.

Whenever you have an image in mind, you must choose a lens which can put that image on film. And whatever that image may be, you can be sure that Canon has the lens you need. Whether it is a 15mm fisheye or a 600mm super telephoto, all Canon lenses feature the finest materials (especially the L-series lenses) and technologies. They include fluorite, UD glass, aspherical lenses, lens-based Ultrasonic Motors, inner and rear focusing, Image Stabilizers, and a fully-electronic interface.

L-Series Lenses

Canon lenses are renowned for their performance and optical quality. And no lenses have a better reputation among professional photographers than Canon's L-series lenses.

Identifiable by a distinctive red ring around their outer barrel, these lenses use special optical technologies including Ultra-low Dispersion UD glass, Super Low Dispersion glass, Fluorite and Aspherical elements to truly push the optical envelope.

L-series telephoto lenses utilize Canon's UD glass to minimize the effect of chromatic aberration, sometimes called color fringing. UD glass provides outstanding contrast and sharpness in lenses like the 70-200 f/2.8L IS and 300mm f/4.0L IS. Even more effective are fluorite elements, used in high-end super-telephoto lenses like the EF 300mm f/2.8L IS and 400mm f/2.8L IS. A single fluorite element has the corrective power of two UD glass elements, which gives these L-series lenses their spectacular performance.

Wide-angle lenses and fast normal focal-length lenses often suffer from another optical problem, spherical aberration, which causes an overall softening and optical "smearing" of the image. Canon has developed four different manufacturing technologies to produce Aspherical lens elements, which combat this problem. Aspherical optics, which have an extremely precise variable curvature of one or both sides of a lens element, also allow more compact lens designs and permit lighter lenses with fewer elements. Combined with Canon's exclusive multi-coating technology, Super Spectra Coating, and the attention paid to details such as anti-reflective material inside of lens barrels, L-series lenses virtually eliminate internal ghosting and flare. Many EF telephoto lenses are white, to reduce the amount of internal heat build-up during long shooting in bright sunlight. And the new Image Stabilized super-telephoto L-series lenses add extensive dust-and moisture-resistant seals and gaskets, enabling pros to keep shooting in the worst conditions.

Canon L-series EF lenses are designed and built to meet the needs of the most demanding professional photographers. Their superb optics enable pros and advanced amateurs to have lenses that are the absolute pinnacle of optical performance, and enable lens/speed combinations with professional performance simply not attainable using traditional optical technology.



CANON

EF LENSES

CAMERAS & LENSES

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FISHEYE and ULTRA WIDE ANGLE LENSES



EF 15mm f/2.8 Fisheye

EF 14mm f/2.8L USM (CA1428LEF)

This ultra-wide-angle lens has the shortest focal length in the L-series. Aspherical lens element corrects distortion and other aberrations such as stigmatism, resulting in ideal image quality. It's outstanding for shooting in confined areas and interiors. Floating rear focusing system makes auto-focusing faster, and the lens more compact. Full-time manual focusing lets you switch to manual focus even in AF mode. The lens also has a fixed petal-type hood and a gelatin filter holder at the rear. Includes soft case.....IMP. 1749.95 / USA 1789.95



EF 14mm f/2.8L USM

EF 15mm f/2.8 Fisheye (CA1528EF)

The 15mm f/2.8 is a fisheye lens with a 180° angle of view for unique and intriguing effects. The wide depth of field makes it even more interesting. The short minimum focusing distance of 0.7 ft. gives new meaning to close-up shots. The lens also has a fixed petal-type hood and a gelatin filter holder at the rear.....IMP. 559.95 / USA 579.95



EF 20mm f/2.8 USM

EF 20mm f/2.8 USM (CA2028EF)

An ultra-wide angle lens for serious applications, the 20mm f/2.8 features a floating rear focusing system which allows the lens to made more compact (weighs only 14.3 oz.) and makes auto focusing faster. Full-time manual focusing lets you switch to manual focus even in AF mode. Filter size is 72mm.....IMP. 399.95 / USA 419.95

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WIDE ANGLE LENSES

EF 24mm f/1.4L USM (CA2414LEF)

The EF 24mm f/1.4L USM is an indispensable tool for news photographers and photojournalists who require a fast, reliable and high-quality wide-angle lens. Equipped with spherical and Ultra-low Dispersion (UD) lens elements, the lens suppresses distortion and spherical aberrations while dramatically reducing lateral chromatic aberrations, for sharp pictures with accurate color reproduction. USM motor delivers high-speed, silent auto focusing with full-time manual override. Fixed front lens group means polarizing and special effect filters don't have to be adjusted after focusing. Includes LPL-1214 soft lens case and lens hood. Minimum focusing distance is 9.8". Filter size is 77mm.....IMP. 1089.95 / USA 1119.95



EF 24mm f/1.4L USM



EF 28mm f/1.8 USM



EF 24mm f/2.8



EF 28mm f/2.8

EF 24mm f/2.8 (CA2428EF)

Popular wide-angle lens with a large aperture is good for casual snapshots as well as perspective shots. Floating rear focusing system corrects astigmatism and gives high contrast and sharp delineation. Filter size is 58mm.....IMP. 279.95 / USA 289.95

EF 28mm f/1.8 USM (CA2818EF)

With it's large maximum aperture, excellent background blur is possible even with a fast shutter speed. An aspherical lens element makes the lens compact, while correcting for spheric aberrations. Full-time manual focusing lets you switch to manual even in AF mode. Filter size is 58mm.....IMP. 384.95 / USA 399.95

EF 28mm f/2.8 (CA2828EF)

The classic EF 28mm f/2.8 wide angle lens weighs only 6.5 oz. while offering a great price-to-performance ratio. High-precision aspherical lens minimizes distortion and other aberrations for sharp and high-contrast images. 52mm filter size.....IMP. 159.95 / USA 169.95



EQUIPMENT LEASING AVAILABLE

CANON

EF LENSES

WIDE ANGLE and STANDARD LENSES



EF 35mm f/2

EF 35mm f/2 (CA352EF)

Popular semi wide-angle lens with a large aperture features a minimum focusing distance of only 0.8', so you can approach the subject closer and still obtain a natural wide-angle effect. Also achieve good background blur for portraits. Filter size is 52mm.....IMP. 219.95 / USA 229.95



EF 35mm f/1.4L USM

EF 35mm f/1.4L USM (CA3514LEF)

This lens features a brilliant maximum aperture of f/1.4, the largest in its class, along with the superior image quality Canon L-series lenses deliver. It uses Canon's advanced floating mechanism and a polished aspherical lens element to achieve extremely sharp, distortion free, superb picture quality from infinity to its closest shooting distance of 12". With ring USM-powered rear focus, autofocus is fast and quiet. Full-time manual focusing lets you switch to manual in AF mode. Wide focusing ring provides comfortable manual focus, and the filter ring remains stationary while using a polarizer. Includes LP1214 soft lens case and EW-78C lens hood. Filter size is 72mm.....IMP. 1089.95 / USA 1119.95



EF 50mm f/1.8 II

EF 50mm f/1.8 II (CA50182EF)

Lightweight and affordable, this 4.6 oz. sharp lens with a fast f/1.8 aperture is an excellent first lens for those who prefer a fixed focal length, and makes an excellent addition to any photographer's system for available-light shooting. A traditional Gauss-type optical design ensures sharp performance even wide open, and it focuses as close as 18". Filter size is 52mmIMP. 69.95 / USA 74.95

EF 50mm f/1.4 USM (CA5014EF)

The ultimate "normal" lens in the EF system. This superb lens is sharp even wide-open, and of course its f/1.4 speed makes it perfect for available-light shooting. For many, it's an ideal lens to accompany a zoom when shooting in low-light conditions. Compact and affordable, it's the only lens in the EF system to combine the extra-small Micro USM and still provide full-time manual focusing when the lens is in the AF mode. 58mm filter size..... IMP.299.95 / USA 309.95

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Standard Lenses

With a natural angle of view and perspective, standard lenses capture the subject plainly, with no special effects. The result is different from a wide-angle or telephoto lens which is used for more expressive purposes. At the same time however, you can use standard lenses in creative ways by varying the subject distance, aperture, and angle. Canon offers two standard EF lenses each with a different maximum aperture.

Portrait and Medium Telephoto Lenses

A medium telephoto lens with a large aperture brings the subject closer, creates excellent background blur, gives a longer flash range, and affords a faster shutter speed to freeze the action. Best of all, they aren't too heavy to carry around—even on a ski slope.

Telephoto Lenses

A telephoto lens is essential to any serious photographer. For sports action, you will need a fast shutter speed and a long focal length. A large maximum aperture allows a faster shutter speed. If you want a smaller more compact lens, choose a lens with a smaller maximum aperture.

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CANON

EF LENSES

PORTRAIT and MEDIUM TELEPHOTO LENSES



EF 85mm
f/1.8 USM

EF 85mm f/1.2L USM (CA8512LEF)

With a large maximum aperture of f/1.2, this is the fastest 85mm lens in its class. Has one aspherical element and two high-refraction elements to produce sharp images with little flare, even at maximum aperture. Floating system corrects coma for high image quality. Full-time manual focusing lets you switch to manual even in AF mode. Includes LP-1219 lens pouch and ES-79II lens hood. Filter size is 72mm.....IMP. 1449.95 / USA 1499.95



EF 100mm
f/2 USM

EF 85mm f/1.8 USM (CA8518EF)

A very practical medium telephoto lens with superb delineation and portability, this lens produces images that are sharp and clear at all apertures. Specially designed to give beautiful background blur. Full-time manual focusing. Filter size is 58mm ...IMP. 329.95 / USA 339.95

EF 100mm f/2 USM (CA1002EF)

An extremely compact lens despite its large maximum aperture. Floating rear focusing system makes autofocus faster and helps achieve sharp, crisp pictures at all apertures. Provides a background blur that is ideal for portraits. 58mm filter size.....IMP. 374.95 / USA 389.95

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TELEPHOTO LENSES

EF 135mm f/2L USM (CA1352LEF)

The fastest telephoto in its class, this lens provides the image quality and performance required to meet the needs of a wide range of advanced amateurs and professionals. A ten element optical formula with two UD-glass elements serves to correct residual aberrations, resulting in superb sharpness and high image quality. Ideal for indoor sports and portraits, it is also able to obtain superior background blur with the f/2 wide aperture. Includes LP1219 lens case and ET-78II lens hood. Filter size is 72mmIMP. 869.95 / USA 899.95

EF 135mm f/2.8 Softfocus (CA13528EF)

A telephoto lens with softfocus capability, this lens can give you razor-sharp snapshots as well as softfocus shots that do not look blurry. Offers a choice of two softfocus settings. Even in softfocus mode, autofocus is quick and accurate. 52mm filter sizeIMP. 269.95 / USA 279.95



EF 200mm
f/2.8L II
USM

EF 135mm
f/2.0L USM

EF 135mm f/2.8 Softfocus

EF 200mm f/2.8L II USM (CA20028L2EF)

Built on the success of its predecessor; the EF 200mm f/2.8L version "II" employs Canon's famous rear-focus telephoto optical design to deliver outstanding picture quality throughout its entire shooting range - even at middle and close distances. This lens also uses two ultra-low dispersion (UD) glass elements to ensure maximum image sharpness and accurate color fidelity; and Canon's advanced ultrasonic focusing motor (USM) and rear focusing design for silent, high speed autofocus. Smooth manual focusing is accomplished through Canon's mechanical manual focusing system and wide rubber focusing ring for easy adjustments. Full-time manual focusing lets you switch to manual even in AF mode. Compatible with 1.4x and 2x EF extenders. Includes LP1222 lens case and ET-83BII lens hood. Filter size is 72mmIMP.639.95 / USA 659.95



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SUPER TELEPHOTO LENSES

With the ability to see surpassing the human eye, a super telephoto lens has the ability to transform an ordinary scene into an extraordinary one. It can compress images and make them look as if they come from another dimension. It opens up new realms of photographic expression. All Canon EF super telephoto lenses are L-series to provide the highest quality, while the USM delivers quiet and high-speed autofocusing.



EF 600mm f/4L IS USM

- ◆ All except the 300/4L and 400/5.6L feature Focus Preset (FP). With FP you can set the desired focusing distance in memory and later instantly focus the lens at that distance. Normal shooting and focusing is possible while FP has been set.
- ◆ All except the 300/4L and 400/5.6L are highly resistant to dust and water. Their switch panel, exterior seams, and drop-in filter compartments have rubber linings.
- ◆ All (except 400/5.6L) have a built-in Image Stabilizer because no matter how great the lens is, camera shake can spoil the shot. Optical shake is detected by gyro sensors which provide the data necessary to shift the image-stabilizing lens group in parallel to neutralize the shake. This increases usable shutter speed range by up to two full stops for hand-held shooting. There are two IS modes: one for normal image stabilization, one for panned shots.
- ◆ All except the 300/4L and 400/5.6L feature a fluorite lens element to correct chromatic aberrations. Fluorite has abnormally low refraction and low dispersion characteristics which optical glass can't achieve.
- ◆ In addition to fluorite, they each incorporate two UD (Ultra-Low Dispersion) glass elements whose properties nearly match those of fluorite (the effect of two UD-glass elements is equivalent to one fluorite). The 400/5.6L has a Super UD-glass element which gives almost the same effect as one fluorite element.
- ◆ All except the 300/4L and 400/5.6L have an 'AF Stop' feature. If something passes between the camera and subject, the AF-Stop button momentarily locks the AF to prevent the focus from shifting to the obstruction passing by. After it is gone, the focus is maintained so you can quickly resume shooting.

EF 300mm f/2.8L IS USM (CA30028LISEF)

Lightweight with superb balance, this lens is the standard for performance and versatility. The lens barrel is made of magnesium alloy construction for reduced weight and improved handling. The rotating tripod collar can be removed for even more weight reduction. Includes lens case and ET-120 lens hood. Filter size is 52mm (drop-in).....Call

EF 300mm f/4L IS USM (CA3004LISEF)

Large f4 aperture makes this lens a great value. All the features of the EF 300mm f/2.8L except fluorite lens element, AF Stop and Focus Preset. Includes case, has built-in hood. 77mm filter size1149.95

EF 400mm f/5.6L USM (CA40056LEF)

High-performance lens designed for portability and handling. Has a detachable tripod mount. Includes case, has built-in hood. 77mm filter size1099.95



EF 300mm f/4L IS USM

EF 400mm f/2.8L IS USM (CA40028LISE)

The standard for professional sports, it is also ideal for low-light nature and wildlife photography. Full-time mechanical manual focus, four AF-Stop buttons, and Focus Pre-set controls. Includes lens case and ET-155 lens hood. Filter size is 52mm (drop-in).....Call

EF 500mm f/4L IS USM (CA5004LEF)

Favorite of motor sports, wildlife and nature shooters. Well balanced - less "front heavy" - for superior handling. Durable, magnesium alloy construction, with improved control layout. Includes lens case and ET-138 lens hood. Filter size is 52mm (drop-in).....Call

EF 600mm f/4L IS USM (CA6004LISEF)

The first 600mm lens with an Image Stabilizer. Same weather-resistant design as the 300, 400 and 500mm as well as their less "front-heavy" design, and mechanical manual focus. Includes lens case and ET-160 lens hood. Filter size is 52mm (drop-in).....Call

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EF 400mm f/4L DO IS USM (CA4004ISEF)

Equipped with Canon's breakthrough diffractive optics (DO) lens technology, the 400mm f/4 DO is significantly shorter and lighter than previously possible, while simultaneously improving performance by reducing chromatic aberrations and spherical aberrations. Fast AF and full-time mechanical focus and dust and water-resistant construction. Includes lens case and ET-120 lens hood. Filter size is 52mm (drop-in)5299.95

Understanding Diffractive Optics: Glass lens elements refract, or bend lightwaves as they pass through it to form an image. Canon uses multiple elements and special glass to keep the lightwaves like a pinpoint instead of spreading them into the rainbow of color you see when light passes through a prism. To diffract lightwaves means that the ray goes through a change in direction before passing through the lens. The change in direction is caused by a diffraction grating — very fine parallel grooves or slits on the surface. Canon uses two single-layer diffractive optical elements whose diffraction gratings are bonded together face-to-face. The diffraction that occurs with Multi-Layer Diffractive optical elements actually corrects the optical system's chromatic aberrations and improve the image formation performance. Why is Canon changing the tried and true physics of lens design? In terms of design and manufacture, it allows them to create lenses that are shorter and lighter than comparable refractive optical systems. The 400mm f/4 DO IS USM lens is approximately 27-percent shorter and 36-percent lighter in weight than a conventional 400mm f/4 telephoto lens would be. Image quality of Canon's DO lenses are comparable to the L-Series, offering photographers very high performance.

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TILT & SHIFT LENSES

With a Canon TS-E lens, you can control the angle of the plane of focus and the picture's perspective. The effects of large-format camera movements can be obtained with TS-E lenses for EOS cameras. Although manual focusing is required, automatic aperture control enables auto exposure and auto exposure bracketing. The tilt and shift axes intersect at a 90° angle. With their tilt and shift movements, these lenses further expand photographic possibilities. Tilt movements alter the angle of the plane of focus between the lens and film plane, allowing you to obtain a wide depth of field even at the maximum aperture and still keep the entire subject in focus. Shift movements move the lens' optical axis in parallel, correcting the trapezoidal effect seen in pictures taken of tall objects such as buildings, so that the subject does not look distorted.

Tilt Movements: If you want to bring the entire length of the hedge into focus, you could use a wide-angle lens and a small aperture to obtain a wide depth of field. With tilt movements, you can achieve this wide depth of field even at the maximum aperture. By tilting the center of the TS-E lens barrel, you can tilt the lens so that the plane of focus is uniform on the film plane.

TS-E 24mm f/3.5L (CA2435TSE): Great for architecture, landscapes and other wide-angle shots. Includes LP1216 soft case and EW-75BII lens hood. Filter size is 72mm IMP. 1069.95 / USA 1099.95

Shift Movements: Normally, when you point your camera up at a tall building, the building will look slimmer toward the top. It becomes trapezoidal. This perspective effect is more pronounced with shorter lens focal lengths, distorting the building even more. By altering the parallel position between the lens and the film plane with the TS-E lens, this perspective effect can be corrected. With the camera's film plane set parallel to the building, shifting the lens upward will obtain a more rectangular-looking building.

TS-E 45mm f/2.8 (CA4528TSE): Ideal for obtaining a natural-looking perspective. Includes LP1216 soft lens case and EW-79BII lens hood. Filter size is 72mmIMP. 1069.95 / USA 1099.95

S-E 90mm f/2.8 (CA9028TSE): Ideal for a variety of subjects, from products to portraits. Includes LP1016 soft lens case and ES-65II lens hood. Filter size is 58mmIMP. 1069.95 / USA 1099.95



TS-E 24mm f/3.5L lens



TS-E 90mm f/2.8 lens



EQUIPMENT LEASING AVAILABLE

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TELE EXTENDERS



Extender EF 1.4x & Extender EF 2x

These high performance lens extenders increase the focal length of telephoto lenses by 1.4x (EF 1.4x) or 2x (EF 2x). They can be used with a 135mm or longer fixed-length lens, or with the EF 70-210/2.8L, 70-210/4L and the EF 100-400L. Attaching the 1.4x decreases the f-stop by one stop, attaching the 2x by two stops. With the 1.4x, autofocus is possible with an f/4 maximum aperture or better. With the 2x, autofocus is possible with an f/2.8 or better. The lenses are weather-resistant on the front and rear mount surfaces to match the level provided by the IS super-telephoto lenses. They also offer internal anti-reflection construction that improves contrast even when shooting in heavy backlit conditions.

Extender EF 1.4XII (CA1.4XE2)IMP. 269.95 / USA 279.95

Extender EF 2XII (CA2XE2)IMP. 269.95 / USA 279.95

MACRO LENSES

The small things we see and ignore everyday can actually reveal much surprise and fascination up close. Canon's macro lenses—three autofocus and one manual – are the most versatile way to discover this world.

EF 50mm f/2.5 Macro (CA5025MEF)

Floating system for superior delineation at all focusing distances (1:1 reproduction ratio with optional Life Size Converter EF). With a large f/2.5 aperture, true and beautiful background blur is possible. A multi-purpose lens for portraits and other applications besides macro photography. Filter size is 52mmIMP. 229.95 / USA 239.95

Life Size Converter EF (CACLS50EF)IMP. 219.95 / USA 242.00



EF 50mm f/2.5 Macro

MP-E 65mm f/2.8 1-5x Macro Photo (CA6528MP)

While not an EF lens, this manual focusing macro photo lens designed to achieve a high magnification greater than 1x (1:1 reproduction ratio) without any additional accessories. Ideal for shooting small objects, the lens' optical formula and UD-glass elements suppress chromatic aberrations which become apparent at high magnifications. For flash photography, the the ML-3 or MR-14EX Macro Ring Lite can be attached to the lens. Includes a tripod mounting ring. Filter size is 58mmIMP. 799.95 / USA 829.95



EF 180mm
f/3.5L
Macro
USM

EF 100mm f/2.8 Macro USM (CA10028MEFQ)

Designed for macro photography up to life-size (1:1) magnification, this autofocus lens is the first in its class to feature inner focusing - its length never changes, even at life size. The 3-group floating system provides exceptional close-up performance and delineation at all focusing distances. Ring type USM provides fast and silent AF throughout its focus range, and allows full-time manual focusing - permitting the close-up or macro shooter to instantly override the AF whenever necessary. Connects directly to the ML-3 and MR-14EX Macro Ring Lites. Filter size is 58mmIMP. 449.95 / USA 469.95

EF 180mm f/3.5L Macro USM (CA18035MLEF)

With a maximum magnification of 1x, the EF 180mm f/3.5L can shoot life-size close-ups from a farther distance without disturbing the subject. Internal floating system with three UD-glass elements minimize fluctuations in aberrations caused by changes in the focusing distance - delineation is razor-sharp from 1x to infinity. Operability is further enhanced through a wide manual focus ring. Another advantage of this lens is its internal focusing, so lens length doesn't change and the front element doesn't rotate. Supplied with LZ1324 case and ET-78II lens hood. Filter size is 72mm.....IMP. 1199.95 / USA 1239.95



MP-E
65mm
f/2.8 1-5x
Macro
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ULTRA WIDE ANGLE ZOOM LENSES



EF
16-35mm
f/2.8L USM

EF 16-35mm f/2.8L USM (CA163528LEF)

To meet the growing demand of digital SLR owners, this ultra-wide-angle zoom offers a broader view, fast aperture, and closer focusing down to 11". The first EF wide-angle zoom to combine three aspherical elements and Canon's UD glass, the lens remains compact while providing superior image quality across its range. Constructed to pro standards, it's also highly resistant to dust and moisture. Includes LP1319 pouch and EW-83E lens hood. Filter size is 77mm.....**IMP. 1359.95 / USA 1399.95**



EF
17-40mm
f/4L USM

EF 17-40mm f/4L USM (CA17404LEF)

The optics on this lens are excellent, highlighted by three Aspherical lens elements, and one Super UD (Ultra-Low Dispersion) glass element. It features a constant f/4 maximum aperture, moisture- and dust-resistant construction, and a high-speed AF with a powerful ring-type USM. Includes LP1319 soft lens case and EW-83E lens hood. Filter size is 77mm**679.95**

EF 20-35mm f/3.5-4.5 USM (CA203535EF)

Offering high optical performance, the lightweight (only 12 oz.) EF 20-35mm f/3.5-4.5 USM is a very portable and practical ultra-wide angle lens. Large front lens group minimizes peripheral darkening; flare-blocking diaphragm minimizes flare. Filter size is 77mm**IMP. 349.95 / USA 369.95**

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WIDE ANGLE ZOOM LENSES

EF 24-70mm f/2.8L USM (CA247028LEF)

A superb new lens that offers a wider zoom range than its predecessor. It features 2 types of aspherical elements, and a new UD-glass element for superb optical performance even wide-open. It focuses closer and faster with a new processor. And, it's now sealed against dust and moisture at the lens mount, the zoom and focus rings, and the switch plate. Includes LP1219 soft lens case and EW-83F lens hood. Filter size is 77mm**1149.95**

EF 24-85mm f/3.5-4.5 USM (CA248535EF)

Compact, powerful and lightweight, this lens offers 3.5x magnification with minimum focus to 1.6'. USM motor and internal focusing enable silent, high speed autofocus. Wide rubber focus ring and manual focus capability - even in autofocus - provide maximum flexibility and ease of use. Replica aspherical lens element minimizes distortion and produces sharp images. Flare-cutting diaphragm maintain high contrast even in tough lighting conditions. Filter size is 67mm.....**IMP. 299.95 / USA 309.95**

EF 28-80mm f/3.5-5.6 II (CA2880352EF)

Standard zoom lens with the same optical system, construction, and exterior as the EF 28-80mm f/3.5-5.6 USM. The difference is that it uses a DC motor instead of a USM to drive the AF. Filter size is 58mm**Call**

EF 28-90mm f/4-5.6 III (CA28904EF2)

A revised version of one of Canon's most popular lenses. Optically identical to its predecessor, a new lens CPU and data algorithm provide the fastest AF in its class. Filter size is 58mm**IMP. 89.95 / USA 99.95**



EF 24-70mm f/2.8L USM



EF 28-90mm f/4-5.6 III



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Description of Lens Designation

The lens designations follow a standard format to identify the lens:

EF 75-300mm f/4-5.6 IS USM

Focal length:

Indicates the focal length range from the shortest to the longest length

Maximum Aperture:

Indicates the lens' maximum aperture

Special Function:

Any special feature such as an image stabilizer, macro feature, etc., is indicated

USM:

Indicates that the lens uses an Ultrasonic Motor for autofocus

WIDE ANGLE ZOOM LENSES

EF 28-90mm f/4-5.6 II USM (CA28904EF2)

Super-light and compact like its predecessor, but now with even faster AF due to a faster lens CPU. It's optically unchanged, which is a good thing—images are sharp and crisp throughout the zoom range, and the Micro USM provides quick and ultra-quiet AF. It's an ideal standard lens, and one of the most popular in the entire EOS system. Available in black or silver. Filter size is 58mm.....IMP. 99.95 / USA 109.95

EF 28-105mm f/3.5-4.5 II USM (CA28105352EF)

Excellent for everyday use, the lens includes a ring-type USM drive for silent, high-speed autofocus, plus full-time manual focus. Optically excellent, the lens delivers high image quality at all focal lengths. Wide zoom ring provides more positive operation. The compact design is a good match for the ELAN 7N/7Ne with built-in flash. An excellent zoom lens for everyday use. Filter size is 58mm.....IMP. 219.95 / USA 229.95

EF 28-105mm f/4-5.6 USM (CA28105456U)

An entirely new lens which joins Canon's existing 28-105 f/3.5-4.5 USM in the line-up. It's the smallest and lightest zoom in the 28-105 class, and its new optical system includes an Aspherical element. Most noteworthy is its new Micro USM II — half the size of previous Micro USMs, and its use of internal focusing (no front element rotation during focus). Filter size is 58mmIMP. 129.95 / USA 139.95

EF 28-135mm f/3.5-5.6 IS USM (CA2813535EF)

High performance lens with built-in image stabilizer (IS) for shooting everything from tight interiors to sports to portraits. With the stabilizer on you can shoot sharp, natural-looking pictures in dim lighting without a flash or tripod. Choosing slower speeds also allows use of smaller apertures for increased depth-of-field. Pulse control Electromagnetic Diaphragm (EMD) provides quick and accurate aperture control. Ring-type USM for fast, quiet autofocus. Aspherical lens element for edge to edge sharpness. Close focusing to 20". Filter size is 72mmIMP. 394.95 / USA 409.95

EF 28-200mm f/3.5-5.6 USM (CA2820035EF)

The highest optical performance in its class, this lens offers the convenience of focusing to 17.7" over the entire zoom range. 16-element design includes two aspherical elements. Micro USM drive provides silent, high-speed AF Inner focusing means the front doesn't rotate, a benefit when using filters. Filter size is 72mmIMP. 339.95 / USA 359.95

EF 28-90mm f/4-5.6 II USM

EF 28-105mm f/3.5-4.5 II USM

EF 28-105mm f/4-5.6 USM

EF 28-135mm f/3.5-5.6 IS USM

EF 28-200mm f/3.5-5.6 USM

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HIGH-POWER WIDE ANGLE ZOOM LENSES

EF 28-300mm f/3.5-5.6L IS USM (CA2830035IS)

Offering incredible 11x zoom capability, the EF28-300mm f/3.5-5.6L IS USM combines Canon's latest optical glass, faster autofocus and a groundbreaking Image Stabilization system—so capturing incredible images is a snap—even when the zoom is at max, the shutter speed is slow and the camera is handheld. This 22-element L-series design lens features three ultra low dispersion (UD) glass elements that reduce chromatic aberration, and three aspherical elements that reduce linear distortion and correct spherical aberration during zooming (keeping image resolution and contrast high), together with superior lens coatings that minimize reflection. Highly refined Image Stabilization (IS) system with shake-detecting gyro sensors corrects up to three shutter speed steps for handheld photography. Additionally, IS remains effective even when using a tripod, improving image quality by eliminating the effects of reflex mirror vibration at slow shutter speeds. IS mode switches allow you to select for general stabilization or for deliberate panning. IS is activated within 0.5 seconds of depressing the shutter halfway. Additionally, the lens features a powerful, quick and silent ring-type Ultrasonic Motor and an inner focus system that moves only the lens' lighter elements during AF while keeping the front elements stationary.

Because of its extended range, the lens features a push-pull zoom, though it does have a zoom adjustment ring that lets you loosen, tighten or lock the zoom control. It also permits close minimum focus from 2.3' at all focal lengths, and is capable of filling the frame with a subject as small as 3.2 x 4.8" at the 300mm setting. The lens includes EW-83G bayonet mount lens hood, detachable tripod collar and soft lens case. Filter size is 77mm2199.00



Photo Tip From Rick Sammon:

We all love to travel, and we want to come back from our vacations with great travel pictures. Our travel agents and on-site guides can help us maximize our time - seeing what we want to see. But it's up to us to maximize our photo opportunities. Perhaps the most important photo tip for travel photographers is this: "Tell the whole story." In other words, take pictures that "create a sense of place." "Telling the story" does not necessarily require packing "tons" of lenses and accessories, which could actually slow you down when you are on

the move. Rather, it's important to choose your travel gear wisely (especially with today's airline restrictions on carry-on bags). Zoom lenses are great for travelers. Pack a standard or wide-angle zoom for street scenes and landscapes, and a telephoto zoom for people pictures, and you'll come back with a good selection of pictures. For low light shooting indoors (museums, churches, interiors of buildings), you want a "fast" (f/2.8) lens, which lets you shoot at a higher shutter speed than an f/4.5-5.6 lens.

STANDARD ZOOM LENSES



EF 35-80mm
f/4-5.6 III

EF 35-80mm f/4-5.6 III (CA358043EF)

At 6.2 oz. this is the lightest compact zoom EF lens. An excellent value, the aspherical element makes it compact and helps obtain high-contrast images. At the 80mm focal length, a postcard can fill the viewfinder frame. Filter size is 52mmIMP. 74.90 / USA 79.95

EF 55-200mm f/4.5-5.6 II USM (CA5520045EF2)

Super-compact and light, this lens is compatible with all EOS cameras. Features a 13-element design and new optical coatings. It focuses down to under 4' and its Micro USM-powered AF is faster than ever, due to new electronics within the lens. Filter size is 52mm.....IMP. 199.95 / USA 209.95



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TELEPHOTO ZOOM LENSES

EF 70-200mm f/2.8L USM (CA7020028LEF)

One of the best telephoto zoom lenses ever made by Canon, the EF 70-200mm f/2.8L has four UD-glass elements (the equivalent of two fluorite elements) to correct chromatic aberrations. Newly-designed multiple zoom groups for inner focusing bring high image quality throughout the entire zooming range. Full-time manual focusing mode lets you switch to manual focus even in AF mode. Includes ET-83II lens hood and LZ1324 soft lens case. Filter size is 77mm.....IMP. 1099.95 / USA 1139.95



EF 70-200mm f/2.8L IS USM (CA7020028LIS)

Entirely new, this sensational lens brings an unprecedented combination of features and performance to professional and serious amateur photographers. A new "second-generation" Image Stabilization system responds in only 0.5 seconds, and provides up to three stops of correction for camera shake. Its minimum focusing distance, AF speed, and weather resistance surpass the previous EF 70-200mm f/2.8L. Includes ET-86 lens hood and LZ1324 soft case. Filter size is 77mmIMP. 1639.95 / USA 1699.95



EF 70-200mm f/4L USM (CA702004LEF)

This lightweight high-performance zoom lens features fluorite and UD glass to eliminate chromatic aberration. A circular polarizer can be used because the front lens element doesn't rotate during focusing. Full-time manual focusing mode lets you switch to manual even in AF mode. Inner focusing, and ring-type USM for quick and quiet autofocus. An optional tripod collar is also available. Includes ET-74 lens hood and LP1224 soft lens case. Filter size is 67mm.....579.95

EF 75-300mm f/4-5.6 III (CA7530043EFQ)

The optical system, construction, and exterior are the same as the EF 75-300 mm f/4-5.6 III USM (next page). Difference is that it uses a DC motor instead of a USM to drive the AF. 58mm filter ...IMP. 149.95 / USA 159.95

EF 70-300mm f/4.5-5.6 DO IS USM (CA7030045IS)

Compact, without compromising any image quality, the EF70-300mm f/4.5-5.6 DO IS USM is the second EF lens to employ Diffractive Optics (DO) technology. Indeed, it's three-layer diffractive element is far better suited to zoom lenses and improves on the two-layer DO element used in the EF400mm f/4 DO IS USM lens. Significantly smaller and lighter than conventional 70-300mm lenses, this zoom is approximately the length and diameter of the 28-135mm IS lens.

Equipped with image stabilization technology, the lens provides up to three stops of effective shake reduction capability, equivalent to shooting handheld at 1/30 with the stability found on conventional lenses at 1/250. It also offers a choice of general stabilization and deliberate panning. The IS system remains functional when the lens is used on a solid tripod, although handheld usage is the norm thanks to its compact size. Compact, shake detection gyro sensors for smoother control of IS optics, and compact zoom locking mechanism (locks the lens at its smallest 70mm setting and prevents lens "creeping" while camera is carried on a neck strap) also contribute to the lens' smaller, more comfortable size.

Incorporates a larger, ring type Ultrasonic Motor that provides more power and torque than the smaller Micro USM for faster autofocusing than equivalent lenses. In addition, a rear-group AF system moves the lighter and smaller lens elements at the rear of the lens for focus, keeping the larger, front elements from rotating during AF or zoom operation. Minimum focus is 4.6' at all zoom settings and can fill the frame with a subject as small as 4.8 x 7.2" at the 300mm zoom setting. Includes a ET-65B lens hood and LP1116 soft lens case. Filter size is 58mm.....IMP. 1129.95 / USA 1149.95



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TELEPHOTO ZOOM LENSES

EF 75-300mm f/4-5.6 III USM

Compact and lightweight, this 4x telephoto zoom lens is ideal for shooting sports, portraits and wildlife. Features an improved zoom mechanism for smoother zooming. The front part of the zoom ring sports a silver ring for a luxury touch. Filter size is 58mm.

CA7530043EF.....IMP. 169.95 / USA 189.95

EF 75-300mm f/4-5.6 IS USM

Like the EF 28-135 IS USM, the EF 75-300mm f/4-5.6 IS USM has a built-in image stabilizer to dramatically reduce the chance of a blurred photograph due to camera motion – especially when shooting at long focal lengths with slow shutter speed. Turn the image stabilizer on and you can shoot sharp, natural-looking pictures in dim lighting without using a flash or a tripod. Shoot at 200mm with a shutter speed of only 1/60th second!

CA753004ISEF.....IMP. 399.95 / USA 414.95

EF 80-200mm f/4.5-5.6 II

Compact and lightweight (3.1" long and 8.8 oz.), the EF 80-200 telephoto zoom is very easy to carry around, and is a great choice for travel and other applications where portability is a priority. Its optical quality is assured by a five-group zooming system. Filter size is 52mm.

CA80200452EF.....IMP. 109.95 / USA 119.95

EF 100-300mm f/4.5-5.6 USM

Only 4.8" long, this practical and portable zoom lens offers full-time manual focusing mode which lets you switch to manual focus even in AF mode. With rear focusing, the lens doesn't change length or rotate during focusing, so filter effects remain intact. It also makes autofocusing quick and quiet. Filter size is 58mm.

CA10030045EF.....IMP. 269.95 / USA 279.95



EF 100-300mm f/4.5-5.6 USM

EF 75-300mm f/4-5.6 III USM



EF 75-300mm f/4-5.6 IS USM

EF 100-400mm f/4.5-5.6L IS USM



EF 100-400mm f/4.5-5.6L IS USM

Incorporating fluorite and Super UD-glass elements, this super telephoto zoom ensures high quality at all focal lengths. Built-in dual-mode Image Stabilizer reduces camera shake up to two full shutter speeds compared to hand-held shooting with a conventional lens. Autofocus is fast and silent with ring-type USM. Advanced, lightweight rear focusing design incorporates a floating element for consistent image quality at all distances from 5.9' to infinity.

With full-time manual focus, one-touch zooming with a wide grip, and a ring for adjustment of zooming friction, this lens is extremely easy to use and is ideal for a wide variety of applications including nature, wildlife, sports, and documentary photography. Includes a tripod collar, ET-83C lens hood and LZ-1324 case. Filter size is 77mm.

CA10040045LE.....IMP. 1379.95 / USA 1409.95

Canon USA Lenses include a 1-Year Canon Warranty, and many have rebates available. Please go on-line or call us for details and expiration dates before purchasing.

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EF LENSES

EF Lenses	Angle of View Diagonal	Groups Elements	Closest Focusing Distance	Weight	Lens Hood	Filter Size	Case
Fish-eye EF 15mm f/2.8	180°	7-8	0.7	11.6 oz.	Built-in	Gelatin	LP814
EF 14mm f/2.8L USM	114°	10-14	0.8'	19.8 oz.	Built-in	Gelatin	LP1016
EF 20mm f/2.8 USM	94°	9-11	0.8'	14.3 oz.	EW-75II	72	LP1214
EF 24mm f/1.4L USM	84°	9-11	0.8'	19.4 oz.	EW-83DII	77	LP1214
EF 24mm f/2.8	84°	10-10	0.8'	9.5 oz.	EW-60II	58	LP811
EF 28mm f/1.8 USM	75°	9-10	0.8'	10.9 oz.	EW-63II	58	LP814
EF 28mm f/2.8	75°	5-5	1.0'	6.5 oz.	EW-65II	52	LP1011
EF 35mm f/1.4L USM	63°	9-11	0.98'	20.5 oz.	EW-78CII	72	LP1214
EF 35mm f/2	63°	5-7	0.8'	7.4 oz.	EW-65II	52	LP1011
EF 50mm f/1.4 USM	46°	6-7	1.5'	10.2 lb.	ES-71II	58	LP1014
EF 50mm f/1.8 II	46°	5-6	1.5'	4.6 lb.	ES-62#	52	LP1014
EF 85mm f/1.2L USM	28° 30'	7-8	3.1'	2.3 lb.	ES-79II	72	LP1219
EF 85mm f/1.8 USM	28° 30'	7-9	2.8'	14.9 oz.	ET-65III	58	LP1014
EF 100mm f/2 USM	24°	6-8	2.9'	16.1 oz.	ET-65III	58	LP1014
EF 135mm f/2L USM	18°	8-10	2.95'	26.3 oz.	ET-78II	72	LP1219
EF 135mm f/2.8 w/ Soft Focus	18°	6-7	4.3'	13.8 oz.	ET-65III	52	LP1016
EF 200mm f/2.8L II USM	12°	7-9	4.92'	26.8 oz.	ET-83BII	72	LP1222
EF 300mm f/2.8L IS USM	8° 15'	13-17	8.2'	5.6 lb.	ET-120	52 DI	300
EF 300mm f/4L IS USM	8° 15'	11-15	4.92'	2.6 lb.	Built-in	77	LZ1128
EF 400mm f/2.8L IS USM	6° 10'	13-17	9.8'	11.7 lb.	ET-155	52 DI	400
EF 400mm f/4 DO IS USM	6° 10'	13-17	11.5'	4.3 lb.	ET-120	52 DI	400B
EF 400mm f/5.6L USM	6° 10'	6-7	11.5'	2.8 lb.	Built-in	77	LZ1132
EF 500mm f/4L IS USM	5°	13-17	14.8'	8.5 lb.	ET-138	52 DI	500
EF 600mm f/4L IS USM	4° 10'	13-17	18'	11.8 lb.	ET-160	52 DI	600
MP-E 65mm f/2.8 1-5x Macro*	18° 40' (at 1x)	8-10	0.8'	25.8 oz.	-	58	LP1216
EF 50mm f/2.5 Compact Macro	46°	8-9	0.75'	9.9 oz.	-	52	LP814
EF 100mm f/2.8 Macro USM	24°	8-12	0.31'	21.1	ET-67	58	LP1219
EF 180mm f/3.5L Macro USM	13° 40'	12-14	0.48'	2.4 lb.	ET-78II	72	LZ1324
EF 16-35mm f/2.8L USM	108° 10'-63°	10-14	0.28'	1.3 lb.	EW-83E	77	LP1319
EF 17-40mm f/4L USM	74-29°	9-12	11"	17.6 oz.	EW-83E	77	LP1319
EF 20-35mm f/3.5-4.5 USM	94°-63°	11-12	0.34'	11.9 oz.	EW-83II	77	LP1214
EF 24-70mm f/2.8L USM	74°-29°	13-16	1.25'	2.1 lb.	EW-83F	77	LP1219
EF 24-85mm f/3.5-4.5 USM	84°-28° 30'	12-15	0.5'	13.4 oz.	EW-73II	67	LP1014
EF 28-80mm f/3.5-5.6 II	75°-30°	10-10	1.25'	0.44 lb.	EW-60C	58	LP814
EF 28-90mm f/4-5.6 II USM	75°-27°	8-10	0.38'	6.7 oz.	EW-60C	58	LP814
EF 28-90mm f/4-5.6 III	75°-27°	8-10	0.38'	6.7 oz.	EW-60C	58	LP814
EF 28-105mm f/3.5-4.5 II USM	75°-23° 20'	12-15	0.5'	13.1 oz.	EW-63II	58	LP814
EF 28-105mm f/4-5.6 USM	75°-23° 20'	9-10	0.5'	13.1 oz.	EW-63B	58	LP814
EF 28-135mm f/3.5-5.6 IS USM	75°-18°	12-16	0.5'	18.9 oz.	EW-78BII	72	LP1116
EF 28-200mm f/3.5-5.6 USM	75°-12°	12-16	0.45'	17.6 oz.	EW-78D	72	LP1116
EF 35-80mm f/4-5.6 III	63°-30°	8-8	1.3'	6.2 oz.	EW-54II	52	LP814
EF 55-200mm f/4.5-5.6 II USM	43°-12°	22-29	1.2'	10.9 oz.	ET-54	52	LP1016
EF 70-200mm f/2.8L IS USM	34°-12°	18-23	1.4'	3.2 lb.	ET-86	77	LZ1324
EF 70-200mm f/2.8L USM	34°-12°	15-18	1.5'	2.9 lb.	ET-83II	77	LZ1324
EF 70-200mm f/4L USM	34°-12°	13-16	1.2'	25.0 oz.	ET-74	67	LP1224
EF 70-300mm f/4.5-5.6 DO IS USM	34°-12°	12-18	4.6'	1.6 lb.	ET-65B	58	LP1116
EF 75-300mm f/4-5.6 IS USM	32° 11'-8°15'	10-15	1.5	1.5 lb.	ET-64II	58	LP1022
EF 75-300mm f/4-5.6 III USM	32° 11'-8°15'	9-13	1.5	16.8 oz.	ET-60	58	LP1019
EF 75-300mm f/4-5.6 III	32° 11'-8°15'	9-13	1.5	16.8 oz.	ET-60	58	LP1019
EF 80-200mm f/4.5-5.6 II	30°-12°	7-10	1.5	8.8 oz.	ET-54	52	LP1014
EF 100-300mm f/4.5-5.6 USM	24°-8° 15'	10-13	1.5	1.2 lb.	ET-65III	58	LP1019
EF 100-400mm f/4.5-5.6L IS USM	24°-6° 10'	14-17	1.8	3.0 lb.	ET-83C	77	LZ1324

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EF LENS ACCESSORIES

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Lens Hoods

- EW-75II (CAEW752) For 20mm/2.843.95
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For 28mm/1.8 USM 28-105mm/3.5-4.5 II
USM lenses23.95
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For the 50mm/1.8 lens. With the Hood
Adapter 62.....23.95
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For 28-200mm/3.5-5.6 USM lens.....37.95
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- ET-54 (CAET54)
For 55-200mm/4-5.6 II USM and
80-200mm/4-5.6 II lenses23.95
- ET-64II (CAET642)
For 75-300mm/4-5.6 IS USM lens26.95
- ET-60 (CAET60)
For 75-300mm/4-5.6 III and
75-300mm/4-5.6 III USM.....23.95

FILTERS

Haze UV-1 Filters

A great investment, UV-1 Haze filters will protect your valuable lenses from dust, moisture and scratches, which can lead to costly repairs. If desired they can be left on the lens at all times for protection. They also have a very subtle warming effect, which can be useful to counter the "cool" colors you sometimes get in bright sun or in shade.

Softmat Filters

These filters are used to produce soft focus effects. A coated pattern over the filter diffracts some of the light passing through. Softmat #1 produces a gentle soft focus effect, ideal for lending a romantic aura to portraits; Softmat #2 offers a stronger effect producing a fog-like effect in landscapes. Both can be used together for stronger effects



Circular Polarizer (PL-C)

Polarizing filters are used to increase subject contrast by controlling reflected light from non-metallic surfaces. Useful for reducing or eliminating reflections from glass and water. Will also darken blue skies in some conditions. Simple to use, circular polarizing filters polarize light circularly, rather than linearly, so it does not interfere with autofocus or TTL light metering.

FILTER PRICING

Filter Type	52mm	58mm	72mm	77mm
UV Haze	CAUV52 10.95	CAUV58 12.95	CAUV72Q 24.95	CAUV77Q 34.95
Softmat #1	CASM152 34.95	CASM158 36.95		
Softmat #2	CASM252 34.95	CASM258 36.95		
Circular Polarizer	CACP52 59.95	CACP58 84.95	CACP72 109.95	CACP77 124.95
250D Close-up Lens	CACUL250D52 71.95	CACUL250D58 86.95		
500D Close-up Lens	CACUL500D52 71.95	CACUL500D58 86.95	CACUL500D72 119.95	CACUL500D77 139.95

52mm Drop-in Circular Polarizer PL-C (CACPDI52)

Same as the standard circular polarizer (above), except these filters are for lenses using rear-mounted drop-in filters. The filters can be rotated from the outside without removing the holder from the lens. Designed for the EF 300/2.8L, 400/2.8L, 500/4.5L and 600/4L USM lenses.....166.95



Replacement 52mm Drop-in Gelatin Filter Holder II (CAFHG52)

Glass-backed holder accepts up to three commercially available cut-to-size gelatin filters for rear-insertion. (Provided standard with the EF 300mm f/2.8L IS, 400mm f/2.8L IS, 500mm f/4L IS and 600mm f/4L IS USM lenses.).....Call

52mm Drop-in Screw Filter Holder (CAFHS52)

The enclosed regular filter can be exchanged with other commercially available screw-type filters. Note that only filters with correct filter frame thickness can be mounted on the lens.....83.95



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EF LENS ACCESSORIES

FILTER HOLDERS

Gelatin Filter Holder III & IV

Allows 3" or 4" square gelatin filters to be fitted to most EF lenses. Requires Gelatin Filter Holder Adapter. Can be combined with optional Gelatin Filter Holder Hoods III or IV.

Gel Filter Holder III
for 3 x 3" Gels (CAFH3):
Requires adapter ring64.95

Gel Filter Holder IV
for 4 x 4" Gels (CAFH4):
Requires adapter ring74.95



Gelatin Filter Holder Hoods III & IV



Attaches to front of Gelatin Filter Holder III or IV to block stray light. Approximately 1/2" deep, multiple hoods can be "stacked" to increase the length for telephoto lenses.

Gel Filter Holder Hood III (CAHFH3)26.95
Gel Filter Holder Hood IV (CAHFH4)26.95

Gelatin Filter Holder Adapter III & IV

These are adapter rings used to attach Gelatin Filter Holder III or IV to most EF lenses. Available in 52, 58, 67, 72 and 77mm.



FOR GELATIN III

52mm (CAAR52FH3).....29.95
58mm (CAAR58FH3).....29.95
67mm (CAAR67FH3).....29.95
72mm (CAAR72FH3).....29.95
77mm (CAAR72FH3).....29.95

FOR GELATIN IV

52mm (CAAR52FH4).....Call
58mm (CAAR58FH4).....29.95
67mm (CAAR67FH4).....29.95
72mm (CAAR72FH4).....29.95
77mm (CAAR72FH4).....29.95

Close-up Lenses

These close-up attachments can be used with most EF lenses to provide a shorter minimum focusing distance with no loss of light. The 250D/500D series incorporates double-element achromatic design for maximum optical performance while the 500 series features single-element construction for maximum economy. The 250D is optimized for lenses between 50-135mm, while the 500D works best with telephoto lenses from 70-300mm. Manual focusing is recommended. Available in 52mm, 58mm, 72mm, 77mm (see box on previous page for prices).



Extension Tube EF12 II & EF25 II

These close-up accessories maintain full electronic coupling between the camera body and lens, often providing greater magnification than is possible with close-up lenses. Can be used with most EF lenses, and are ideal for nature photography with single focal length telephotos. Manual focusing is recommended.

Extension Tube EF12 II (CAETEF12Q)79.95
Extension Tube EF25 II (CAETEF25Q)129.95



Lens Pouches

LP814 (CALP814)
For 15mm/2.8, 28mm/1.8 USM, 50mm/2.5 macro, 28-80mm f/3.5-5.6 II, 28-90mm f/4-5.6II, 28-90mm f/4-5.6II USM, 28-105mm f/3.5-4.5 II USM, 28-105mm f/4-5.6 USM, 35-80mm f/4-5.6 III23.95

LP816 (CALP816)
For 100mm f/2.8 Macro USM23.95

LP1214 (CALP1214)
For 20mm/2.8 lens23.95

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For 24mm/2.8 lens23.95

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LP-1014 (CALP1014)
For 80-200 f/4.5-5.6 II lens23.95

LP-1016 (CALP1016)
For 135mm f/2.8 Soft Focus and 55-200mm f/4.5-5.6 USM II lenses28.95

LP-1019 (CALP1019)
For 75-300mm f/4-5.6 III USM, 100-300mm f/4.5-5.6 USM lenses23.95

LP-1022 (CALP1022)
For 75-300mm f/4-5.6 IS USM23.95

LP-1116 (CALP1116)
For 28-135mm f/3.5-5.6 IS USM lens ...23.95

LP-1214 (CALP1214)
For 20mm/2.8, 20-35mm f/3.5-4.5 USM ..23.95

LP-1216 (CALP1216)
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LP-1219 (CALP1219)
For 100mm f/2.8.....31.95

Lens Caps

Lens Dust Cap E (CALCRE): Replacement rear lens cap for EF lenses, teleconverters and extension tubes6.95

Lens Cap E-52 (CALCE52): 52mm snap-on lens cap.....7.95

Lens Cap E-52U (CALCE52U): 52mm "Ultrasonic" snap-on lens cap7.95

Lens Cap E-58 (CALCE58): 58mm snap-on lens cap7.95

Lens Cap E-58U (CALCE58U): 58mm "Ultrasonic" snap-on lens cap7.95

Lens Cap E-72U (CALCE72U): 72mm "Ultrasonic" snap-on lens cap7.95

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XPAN II

Dual-Format (35mm and Panorama) Camera

Sometimes your world doesn't fit in the frame. Sometimes you want to think a bit outside the box. So for all those times when you need a little something extra, Hasselblad presents the XPan II – the world's only truly dual-format 35mm camera system. The XPan II is a unique camera that takes great 35mm shots with world-renown Hasselblad quality and full, medium format panorama pictures — and both formats can be mixed in any order on the same roll of 35mm film. Easy-to-use, simply flick a switch and your view expands. Switch between standard 35mm and medium format quality, full panorama as many times as you wish—with no empty spaces or wasted film. And without sacrificing image quality or lugging around extra equipment, without changing magazines or cameras, without losing the moment in front of you.



The XPan II features a wide range of convenient, user-friendly features such as automated film loading film transport, TTL exposure metering, and single or continuous exposure. The shutter release can be triggered by button, mechanically, via a dedicated remote cable, or self-timer. And being a rangefinder camera, the Xpan II is very silent in operation.

Finally, the outstanding image quality and full panorama effect of the XPan II is made possible by the superb optical quality of specially designed lenses. These superior, highly compact lenses, are actually medium format lenses, but have the compact external dimensions of 35mm lenses. Together with the XPan II, they provide the bridge between the image quality of the medium format and the convenience and economy of the 35mm format.

FEATURES

Maximum Quality—35mm or Panorama

- ◆ Inside the XPan II's sleek body lies an ingenious system that allows you to choose between formats without sacrificing quality along the way. You get Hasselblad tradition and reliability combined with 35mm convenience. You get razor sharp images combined with a panorama negative almost three times larger than traditional masking techniques and over five times larger than those produced by APS cameras. No compromises, just possibilities.
- ◆ Behind the simplicity of the XPan II's exterior is a unique system that provides medium format image quality on 35mm film. The XPan II utilizes the entire area of standard 35mm film for either format, providing a panorama effect without masking the film or reducing image quality. This specially designed technique gives you the same superior quality you expect from Hasselblad.
- ◆ The XPan provides superior quality panorama shots and standard shots, mixed on the same roll of inexpensive 35mm film. No other camera in the world can offer the same.
- ◆ Both of the XPan II's formats can be mixed freely on the same roll of 35 mm film in any order, with no wasted film. Even when switching back and forth from regular 35 mm to panorama in midroll, the camera's film counter automatically compensates and shows the number of remaining shots at your current format.
- ◆ A lot of so-called "panorama" cameras claim to offer panorama mode, but in reality all they do is crop off the top and bottom of a standard 35 mm frame. When the whole idea behind panorama pictures is their size, lopping off your negative or slide is really only faking it, losing image quality as well.
- ◆ With the XPan II however, a mere turn of a knob expands the standard 35mm image, producing an image just as high but nearly twice as long. In other words, the XPan II is two cameras in one: a high quality 35mm camera and a true panorama format camera, rolled into one stylish package. Brings the convenience of the 35mm world and the image quality of the medium format world together at last.

XPan II Camera Body (HAX2): With strap, two CR2 3v lithium batteries, spirit level and quick coupling plate.....2143.00

XPan II Camera Kit (HAX2K): With 45mm f/4 lens, strap, two CR2 3v lithium batteries, spirit level and quick coupling plate.....2499.95



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XPan II

User-Friendly

- ◆ While professional in design and image quality, the XPan II is a snap to use, featuring center-weighted TTL exposure metering (with manual override).
- ◆ Film loading and winding is easy. The camera automatically detects film speed (programmable auto DX with ISO override) and pre-winds the film onto the camera spool. It then rolls each exposed frame back into the film cassette. This protects the exposed film inside even if the camera is opened by mistake. It also reduces the risk of camera noise, as film is wound when you choose to load film, not at the unexpected end of a roll. And since rangefinder cameras have no reflex mirror to make noise when exposing a shot, the XPan II is virtually silent in operation.

Viewfinder & LCD

- ◆ The bright-frame viewfinder and coupled rangefinder make viewing and focusing easy and intuitive. Viewfinder information is adjusted automatically, reflecting the format and the focal length of the lens.
- ◆ An LCD display in the viewfinder shows shutter speed, exposure compensation, and symbols for exposure offset. A smaller LCD display, showing format and number of exposures remaining, is conveniently located on the top of the camera.
- ◆ The LCD on the Xpan II's rear displays ISO, shutter speed, exposure compensation, auto bracketing, self-timer delay time, sync mode, rewind mode, multi exposure, battery status, and exposure history.

High Performance

- ◆ Shoot single frame or continuous at up to three standard or two panorama frames per second.
- ◆ Rewind mode can also be set to leave the film tip exposed for easier extraction and flash sync can be programmed to trigger at the beginning or end of exposure.
- ◆ User functions such as auto bracketing (three consecutive exposures at 0.5 or 1 EV increments) with either single or continuous exposure, exposure compensation (± 2 EV at 0.5 EV increments), and multi-exposure mode (up to 9 exposures per frame) can be programmed via the rear display.

Optional Hasselblad Lenses for the XPan II



A camera as unique as the XPan II requires a series of lenses as unique as the camera itself. That's exactly what Hasselblad offers in the form of the X-Pan system's three light, interchangeable, and extremely compact medium format lenses – the 30mm f/5.6, 45mm f/4 and 90mm f/4. These lenses have been specially designed to produce superior performance, resolution, and contrast and to provide image circles as large as those of 6x4.5 medium format lenses.

These unique lenses are what make the outstanding quality and full panorama format possible, and are the key to producing medium format quality on 35 mm film. Multicoated glass elements

ensure top quality results, providing brilliant contrast and full tonal scale. Optical aberrations are well corrected, with almost no color fringing and extremely low distortion, even with the extreme-wide angle coverage of the 30mm lens. The smooth action of the focusing ring guarantees quick and accurate focusing. All lenses feature automatic coupling of the focusing mechanism to the camera rangefinder, a rear bayonet fitting for camera attachment, and a front bayonet fitting for lens shade. To meet the highest requirements for even corner-to-corner illumination, the 30mm Aspherical and 45mm lenses can be fitted with a dedicated center filter.

30mm f/5.6 Aspherical (HA3056X)

When used for the 24x65 mm panorama format, this ultra-wide-angle lens provides a horizontal view of almost 94° and retains its superb performance over the entire image field with virtually no distortion. The lens comes with an auxiliary viewfinder, attached to the camera's flash shoe, containing built-in spirit level and field markings for the regular and panorama formats. The camera's rangefinder is used for focusing only. Complete with a lens shade and a dedicated 58mm center filter.....**2849.95**

45mm f/4 (HA454X)

The very compact design and high image quality of the 45mm makes this lens the obvious choice as the standard XPan II camera lens. When used for panorama images the lens has a true wide-angle horizontal coverage of 71°. The dedicated 49 mm center filter is recommended for critical situations where transparency film is used. The center filter is normally not required when using negative film if the lens is stopped down to f/8 or smaller aperture.....**569.95**

90mm f/4 (HA904X)

This lens is ideally suited for general purpose photography when a wide-angle effect is not desired. When used for regular 24x36mm images, it provides a telephoto perspective, when used for panorama images the telephoto effect is moderate but clearly visible.....**689.95**



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XPAN II

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XPAN II SPECIFICATIONS

Film Type	35mm
Format	Rangefinder camera with focal plane shutter: Dual Format: 35mm (24 x 36mm) and full format panorama (24 x 65mm); switchable mid-roll using a format selector switch on back of camera.
Frames Per Roll	24 or 36 in 35mm format; 13 or 21 frames in panorama format (from 24 and 36 exposure cassettes); Frame rate 1.2 frames per sec. for 24 x 36 mm format
Lens Mount	Bayonet; Xpan lenses ONLY
Focusing	Manual focus; helicoid interlocked to coupled rangefinder
Exp. Modes	Aperture Priority, Manual
Exp. Metering	TTL measured at shutter plane; Center-weighted averaging
Exp. Metering Range	Ev 4 - 19
Exp. Compensation	+/- 2 stops in 1/2 stop increments
Exp. Bracketing	± 2 stops in 1/2 or full stop increments
Flash	None; Flash sync speed up to 1/125 sec.; Flash sync at the beginning or end of exposure
Shutter Speed	Focal plane shutter; 1/1000 to 8 sec., Bulb (maximum to 540 sec.), flash sync speed up to 1/125 sec.; fired by shutter or cable release; 1 EV step control on manual; 1/2 EV control on automatic
ISO Range	25-3200 DX coded; Manually overrideable
Film Wind	Single shot advance, Continuous at 1.2fps. with 24 x 36mm format; automatic "wind-on" and auto rewind; Rewind of film with option to leave a film tip out of the cassette
Focusing Screen	Non-interchangeable
Diopter Correction	Interchangeable from -4 to +2; Diopter lens with locking system
Self Timer	Delay 2 or 10 sec.
Remote Control	Optional; Electrical remote release (optional release cord)
PC Terminal	Yes
Multiple Exposure	Up to 9 exposures
Viewfinder Info	Bright-frame; automatic parallax correction; field of view is 85%; Shows shutter speed and exposure information
LCD Information	LCD display in the viewfinder
Power Source	(2) CR2 3v lithium batteries
Dimensions	2.04 x 6.64 x 3.28" L x W x D
Weight (Body only)	25.2 oz. (without batteries)

XPAN II ACCESSORIES

Lens Shades: Efficiently shields the lens from stray light for the best possible image contrast, and provides protection to the front lens element. They are lockable to prevent unintentional movement.
For 30mm Lens (HALH30X).....94.95
For 45 & 90mm Lenses (HALHXQ) ..79.95



Center Filter: Ensures the highest corner-to-corner illumination by neutralizing the natural effect of light fall-off that may be apparent in critical applications on transparency film in the panorama format at large aperture settings.
For 30mm Lens (HACF30X)334.00
For 45mm Lens (HACF45X)278.00

Release Cord (HARCX2): 3' release cord for electrical remote shutter release of the XPan II**118.00**

Spirit Level (HASLX): Attaches to the camera accessory shoe. Used to level the camera body for both horizontal and vertical formats. Comes supplied with the camera body.....**34.95**

Quick Coupling Plate (HAQRPX2): Allows you to use the Tripod Quick-coupling S (45144) for rapid, secure attachment and repeatable alignment**38.95**

XPan Strap (HASX): Replacement genuine leather strap for XPan camera. Supplied with the camera body**44.95**

Eyepiece Correction Lenses: The XPan II viewfinder can be customized to suit individual eyesight. The available diopter range of the correction eyepieces is wide enough to meet virtually all individual preferences. Correction eyepieces can be locked in place and are rubber coated to prevent damage to eyeglasses. Correction eyepieces for the XPan II can also be used with the original XPan.

-4 Correction Lens (HADM4X2)44.95
-3 Correction Lens (HADM3X2)44.95
-2 Correction Lens (HADM2X2)44.95
0 Correction Lens (HAD0X2)44.95
+0.5 Correction Lens (HADP.5X2)44.95
+2 Correction Lens (HADP2X2)44.95

Leather Case (HACX): An elegant shoulder bag in soft leather with an adjustable contoured shoulder strap with non-slip underside. 10.8 x 5.2 x 10.4" (LxWxH)**124.00**



Ever Ready Case (HACEX): A soft leather case designed for both the XPan and XPan II, the top can be separated for convenient camera operation. The bottom part is attached to the camera with a screw fit to the tripod thread**86.00**



NOBLEX

135 SERIES

35mm Panoramic Cameras

Panoramic photography, and especially the super wide photos produced from panoramic cameras have always inspired fascination. As in normal human vision, the rotating shutter slit reproduces the entire extension of landscape, interior architecture, the gentle curve of a river, incorporating all that our eyes see before us. With panoramic photography, dimensions begin to interact and as a result, heighten their effect on each other. Perspective lines lead from foreground to the horizon: the castle on the square, a cluster of trees in a field, the relationship of a river bank to its surroundings; in essence, the panorama which our eyes see is duplicated by the camera. So what is the magic of these photos that captivates us so? The feeling of width? An undistorted photographic rendition of what we have seen? Perhaps simply the chance for the photographer to both see as well as photograph a true rendition of a scene. And, unlike "conventional" photography, the ability to record these scenes without having to discard what the eye truly sees.



CAMERAS & LENSES

51



conventional small format camera with 28 mm lens



comparative exposure with small format camera Noblex 135 (135° picture angle)

Noblex's 135 Series of panorama cameras operate along the same principle: a rotating drum/lens revolves around a curved film plane. As light enters the front of the lens, this light is passed through a 4mm slit at the rear of the lens, completing the exposure. The rotating lens drum is driven by a high performance DC motor and makes one revolution per exposure. During the first half the drum reaches a constant speed and will thus produce an absolutely even exposure during the second half. The click stopped exposure speeds are created by variation in the drum speed. It is possible to produce different types of multiple exposures, for instance extremely long exposures, picture montage and stroboscopic multi-

exposure Noblex pictures are genuine panorama photographs with an angle of 136° and correspond to the natural space perception of the human vision. They are ideal for landscape, architectural landscape and travel photography, group portraits, wedding, sport, and still life photography.

135 Prosport

- ◆ Noblar 2.9mm 4.5 lens; fixed focus
- ◆ 5 shutter speeds (1/500 to 1/30 of a second)
- ◆ Powered by 4 AAA batteries
- ◆ 1/4" tripod socket on the bottom of the camera
- ◆ Provides 19 shots on a roll of 35mm 35 exposure film
- ◆ Magnetic filter attachment
- ◆ Accepts standard cable release

NO135P999.00

135U

Same as the 135 Prosport, PLUS—

- ◆ 10 shutter speeds (1/500 to 1 second)
- ◆ Lens shift capability for architectural applications
- ◆ Built-in spirit level ◆ Multiple exposure capability
- ◆ Compatible with optional Panolux 135 Exposure Module for automatic metering

NO135U.....1795.00

Optional Filters and Accessories

- UV Haze Filter (NOUV35)49.95
- Yellow Green (11) Filter (NOYG35)...49.95
- Yellow (K2) Filter (NOY35).....49.95
- Orange (G15) Filter (NOO35)49.95
- Red (25A) Filter (NOR35)49.95
- Skylight (1A) Filter (NOSL35)49.95
- Skylight (81A) Filter (NOSL35Q)49.95
- 4x Neutral Density (NOND435).....49.95
- 8x Neutral Density (NOND835).....49.95



- VR-3 Panoramic Head (NOVR3) Facilitates easy alignment of panoramic photos, and provides 3 indented click stops at 0°, 120° and 240°. Other rotation angles can be easily adjusted with applied graduations of 15°. A locking screw insures rock steady alignment. Panoramic photos are easily formatted in stitching software programs. 1/4" and 3/8" tripod studs are mounted on the bottom of the VR-3.....283.50

- Tweezer Tool (NOT) For filters18.95

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KENKO

LENS ADAPTERS

Teleplus

Teleconverters for SLR Cameras

Placed between the camera body and lens, a teleconverter contains a set of optics that will effectively



increase the focal length of any lens it is used with. Kenko's 1.5x and 2x Teleplus converters have the effect of multiplying the focal length of your lens by 1.5x or 2.0x. For example, using the MC1.5 with a 300 mm lens will effectively increase the focal length to 450mm. Using the MC4 2x teleconverter with a 300mm lens will effectively increase the focal length to 600mm. They are an easy and inexpensive way to increase the abilities of your telephoto lens without the expense of purchasing and carrying another telephoto lens. Kenko Teleplus converters are small and easy to carry in your camera bag.

Kenko's converters have genuine Gate Array IC (Integrated Circuitry). It means the converter's unique circuitry maintains signal integrity between the camera body and lens. Their 4- and 7-element design is made with high quality multicoated optical glass supplied by Hoya Corporation, the worlds largest manufacturer of optical glass.

Full AF operation with the converters is possible with camera lenses with open aperture of F4 or brighter. Please be aware that AF will work properly only if there is enough light and contrast on the subject to activate the camera's AF sensors. (Manual focusing is recommended when using lenses with smaller open f-stop value than those given above.)

MC1.5 1.5x (4 elements in 4 groups)

Available for Canon EOS (KE1.5XCAF), Minolta Maxxum (KE1.5XMAF), Nikon AF-I & AF-D (KE1.5XNAF) and Pentax AF (KE1.5XPAF)**79.00**

MC4 2x (4 elements in 4 groups)

Available for Minolta Maxxum (KE2X4MAF), Canon EOS (KE2X4CAF), Pentax AF (KE2X4PAF), and Nikon AF-I & AF-D (KE2X4NAF)**89.00**

MC7 2x (7 elements in 5 groups)

Available for Minolta Maxxum (KE2X7MAF), Nikon AF-I & AF-D (KE2X7NAF), Canon EOS (KE2X7CAF) and Pentax AF (KE2X7PAF) ...**125.00**

Kenko PRO 300 3.0x

Placed between the camera body and lens, a teleconverter contains a set of optics that will effectively increase the focal length of a lens by a specific amount. Common magnifications are 1.4 times and 2 times, but the Kenko Teleplus PRO 300 AF converter has a 3x magnification. For example, using a 3 times (3x) teleconverter will increase the focal of 300mm lens to 900mm.

The Teleplus PRO 300 AF converter is made with high quality multi-coated optical glass. It is designed for use with lenses of 50mm or above and work best with telephoto lenses of 100mm to 500mm.

The Teleplus PRO 300 AF converter has genuine Gate Array IC (Integrated Circuitry). This means that the converter's unique circuitry maintains signal integrity between the camera body and lens. These converters are designed to electronically operate the same way an original manufacturer's converter would provided there is enough light available.

Note: Due to the 3 stop light loss inherent in a 3x converter, the PRO 300 will not auto focus with lenses that have a smaller aperture than f/2.8. With all lenses having apertures smaller than f/2.8, Kenko recommends using the PRO 300 3x in manual focus mode.

Pro 300 3x Teleconverter (KE3XP300CAF): For Canon EOS.....**209.00**

Pro 300 3x Teleconverter (KE3XP300NAF): For Nikon AF-I & AF-D.....**209.00**

Pro 300 3x Teleconverter (KE3XP300MAF): For Minolta Maxxum**209.00**



Kenko PRO 300 2.0x and 1.4x

Like the 3x, the Teleplus PRO 300 2x and 1.4x converters are made with precision quality multicoated optical glass supplied by Hoya Corporation—the worlds largest manufacturer of optical glass. These glass elements are designed to match the optical quality of the prime lens (even at the edges) and telephoto zoom lenses. The optical design of the elements and light path is wide enough not to cause vignetting.

They are designed specifically to be used with prime telephoto lenses of 100mm or above, such as the Tokina AT-X 300 AF PRO, 300 mm f/2.8 lens, and work best with telephoto lenses of 200mm to 500mm.

Like the 3x, the Teleplus PRO 300 2x and 1.4x converters also have genuine Gate Array IC (Integrated Circuitry). This means that the converter's own unique circuitry maintains signal integrity between the camera body and lens. These converters are designed to electronically operate the same way as an original manufacturer's converter.

Full AF operation with 2.0x is possible when using camera lenses with maximum aperture of F2.8 or brighter. Please be aware that AF will work properly only if there is enough light and contrast on the subject to activate the camera's AF sensors. (Manual focusing is required when using lenses with smaller maximum f-stop value than those given above).With the 1.4x, full AF operation is possible with camera lenses having a maximum aperture of F4 or brighter. The same light and contrast requirements apply.

2x AF Pro 300 Teleconverter (KE2XP300CAF): For Canon EOS.....**199.00**

2x AF Pro 300 Teleconverter (KE2XP300NAF): For Nikon AF-I & AF-D.....**199.00**

2x AF Pro 300 Teleconverter (KE2XP300MAF): For Minolta Maxxum**199.00**

1.4x Teleplus Pro 300 Teleconverter (KE1.4XP300CA): For Canon EOS**Call**

1.4x Teleplus Pro 300 Teleconverter (KE1.4XP300NA): For Nikon AF-I & AF-D**Call**

1.4x Teleplus Pro 300 Teleconverter (KE1.4XP300MA): For Minolta Maxxum**179.00**



EQUIPMENT LEASING AVAILABLE

KENKO

LENS ADAPTERS

Teleplus Extension Tube Set

Extension tubes are designed to enable a lens to focus closer than its normal set minimum focusing distance. Getting closer has the effect of magnifying your subject. They are exceptionally useful for macro photography, enabling you to convert almost any lens into a macro lens at a fraction of the cost.



The tubes have no optics. They are mounted in between the camera body and lens to create more distance between the lens and film plane. By moving the lens father away from the film in the camera, the lens is forced to focus much closer than normal. The greater the length of the extension tube, the closer the lens can focus.

Kenko's Extension Tube Set contains three tubes (12mm, 20mm, and 36mm) which can be used individually or in any combination. They are designed with all the circuitry and mechanical coupling to maintain AF and TTL auto exposure.

Extension Tube Set

For Canon EOS (KEAETSCAF), Minolta Maxxum (KEAETSMAF), Nikon AF-D (KEAETSNAF) and Pentax AF (KEAETSPAF)**129.00**

UniPlus Tubes

UniPlus Tube (extension ring) is designed to shoot subjects at closer distance with higher magnification (1/2 for Tube 25 and 1/4 for Tube 12) with 50mm standard lens. Perfect coupling with automatic aperture, TTL metering and AE mechanism.

12mm Autofocus Extension Tube

For Canon EOS (KEET12CAF), Minolta Maxxum (KEET12MAF), and Nikon AF-D (KEET12NAF)**59.00**

25mm Autofocus Extension Tube

For Canon EOS (KEET25CAF), Minolta Maxxum (KEET25MAF), Nikon AF-D (KEET25NAF), and Pentax AF (KEET25PAF)**79.00**

LENSPLUS LE-ADAPTER

Lens to Eyepiece Adapter

With the LE Lens Adapter, you can now connect your SLR camera directly to the eyepiece of most telescopes, spotting scopes, microscopes, binoculars or monoculars for eyepiece projection photography with the unique patented and versatile LE-Adapter camera accessory.



Whether your interest is microscopy, astrophotography, bird watching, web authoring, surveillance, or just entertaining friends, the truly unique and fascinating images produced when using the LE-Adapter and magnification optics are now limited only by your imagination! The LE-Adapter opens a whole new area of photography and will greatly expand your camera capabilities. It's the accessory you've been searching for!

How does it work?

Simply thread the LE-Adapter onto the lens of your camera...set the three sizing screws to the approximate diameter of the Eyepiece. Insert the Eyepiece into the LE-Adapter and firmly tighten the sizing screws to lock the unit to the LE-Adapter.

Standard LE-Adapter with 37mm/52mm Coupling Ring (LEALE37)
Couples eyepieces of various optical devices where the outside diameter of the respective eyepiece is 12mm to 41mm diameter**154.95**

2-Plus/37mm LE-Adapter (LEALE237)
For much larger eyepieces like those found on Kowa, Leica, Swarovski spotting scopes or many telescopes. It will accept eyepieces where the outside diameter measures 35mm to 60mm**164.95**

Lens Mount Adapters

Minolta MD Lens on Minolta Maxxum Body (GBCAMAFM)	36.95
Canon FD Lens on Minolta Maxxum Body (GBCAMAFD)	36.95
Olympus Lens on Minolta Maxxum Body (GBCAMAFO)	36.95
Pentax K Lens on Minolta Maxxum Body (GBCAMAFP)	36.95
Nikon AI Lens on Minolta Maxxum Body (GBCAMAEN)	38.95
Universal Lens (M42) on Minolta Maxxum Body (GBCAMAFU)	24.95
Universal Lens (M42) on Minolta MD Body (GBCAMU)	18.95
Universal Lens (M42) on Nikon AI Body (GBCANU)	27.95
Pentax K Lens on Universal Screw-Mount Body (M42) (GBCAUP)	44.95
Universal Lens (M42) on Contax/Yashica Body (GBCACYU)	14.95
Universal Lens (M42) on Fujica-X Body (GBCAFU)	19.95
Universal Lens (M42) on Konica SLR Body (GBCAKU)	16.95
Universal Lens (M42) on Pentax K Body (GBCAPU)	14.95
Universal Lens (M42) on Rollei SC Body (GBCARU)	16.95

LEICA

M7

35mm Manual Focus Rangefinder Camera

Classics are works that clash with the present. They are never modified – instead they are re-interpreted on the basis of a changed world.

With the M7, a classic camera has been infused with modern electronic advantages that results in a camera that is faster than ever while still having the soul of a Leica. Convenience and fast operation of the camera have been enhanced with aperture-priority autoexposure, an informative viewfinder, high-speed flash synchronization and more.

Not just the functions themselves are revolutionary, but their seamless integration into the classic Leica M camera concept. The Leica cloth focal plane shutter – with its vibration-free and quiet action is now controlled electronically. However, form, size and the proven operating concept are unchanged. Virtually all system components of the preceding models (M6, M6 TTL) remain compatible. Photography with the M7 is a surprisingly new and yet unchanged experience.



FEATURES

Range-finder System

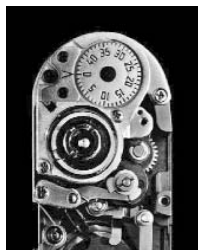
The range-viewfinder system is an optical masterpiece, created for photographic work at the highest level. Unlike a reflex system, in which the focal length and the light intensity affect the measurement, the measuring base of the rangefinder in the M7 always remains the same, regardless of the lens being used. That is why its accuracy with short focal length lenses is many times more accurate. In addition, a special method of distance measuring guarantees fast, accurate and razor-sharp focusing, even under extremely poor light conditions.

In order to enhance contrast and brightness even further, an especially scratch-resistant multi-coating is applied to the viewfinder windows. All the other information that is relevant for a perfect result, as well as the surroundings of the subject is visible in the bright-line viewfinder – ideal prerequisites for spontaneous, inconspicuous photography. There are three viewfinder magnifications to choose from: The wide-angle and eyeglass wearer version of 0.58x, the universal magnification of 0.72x and the tele variant of 0.85x.



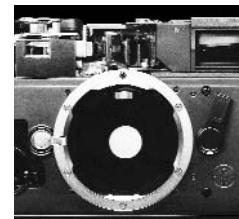
Viewfinder

33 display items within an area of just 0.7 x 2.3mm constitute a masterful achievement that is unique in a rangefinder camera. Especially because the readings are displayed at 15x magnification, so that the photographer has an optimal overview of all the information he needs for a good exposure at a single glance. The automatically generated shutter speed is indicated by an LED display at the bottom of the large and bright viewfinder image. For long exposure times, the viewfinder display shows the time that remains. In the "B" time exposure mode, the display counts the elapsed seconds upwards. The brightness of the display adjusts itself automatically to the prevailing subject brightness, assuring the best visibility even in bright sunlight, and in available light situations it prevents the display from blinding the observer.



Durable and Reliable

The mechanisms are unsurpassed in terms of precision and dependability. High grade materials are used exclusively. The top plate of the M7 is milled from a solid block of brass by a modern process. The main body and the housing are made of lightweight but extremely rugged die-cast aluminum. The M7 works quickly, easily and above all, quietly – it has no noisy hinged mirrors and spring-loaded automatic diaphragms. Therefore the sound of the shutter release is significantly more quiet than the familiar clatter of single-lens-reflex cameras. The chrome-plated rapid-change bayonet and the few knobs and switches are equally robust and long-lived. They are positioned so conveniently and designed so ergonomically that they can even be operated while wearing gloves. With their palpable marking, Leica lenses can also be changed in the dark. They can be placed on a surface without their protective back covers because there are no protruding pins and levers that could be damaged.



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LEICA

M7

Exposure Metering

Backlighting, sports illumination or laterally grazing light results in different colors, brightness and contrasts. A challenge that the M7 meets without difficulties. Its selective TTL exposure metering is activated by a slight pressure on the shutter release button. This selective exposure metering works absolutely precisely and thanks to its high sensitivity, it can even be used in candle-light. In conjunction with the stepless automatic shutter speed control, perfectly exposed images are possible under all conditions without any problems.

Aperture Priority Exposure

In addition to the familiar manual exposure settings, the M7 features a stepless automatic shutter speed control – once the f-stop has been selected on the lens, the camera's electronics automatically determine the ideal shutter speed for the correct exposure, even for long exposure times of up to 30 seconds. Plus, with the exposure value storage at the release button, the desired exposure can be retained for a particular part of the subject. Also offers $\pm 2\text{EV}$ exposure compensation.

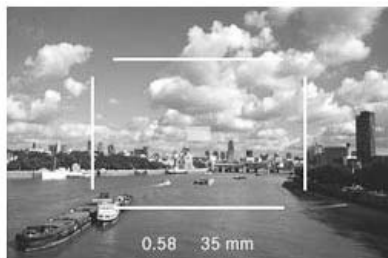
The Shutter

The unique cloth focal plane shutter of the Leica M is legendary. And while retaining all its advantages, the M7 incorporates the electronic control of the exposure times. Two mechanically controlled shutter speeds of 1/60 second and 1/125 second guarantee the functionality of the M7 even when the batteries are dead. Furthermore, the shutter release cycle is extremely quiet, fast and vibration-free. The exposure delay amounts to a mere 25 milliseconds in spite of the electronic control and thus it is nearly ten times faster than that of a conventional autofocus single-lens-reflex camera.

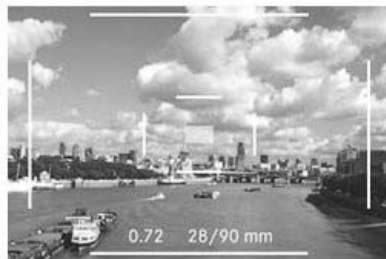
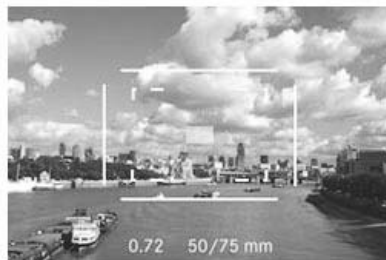
CAMERAS & LENSES

55

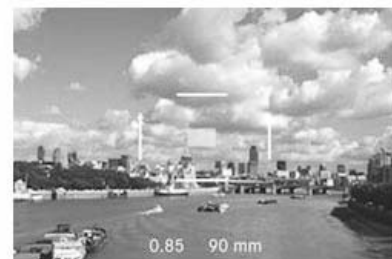
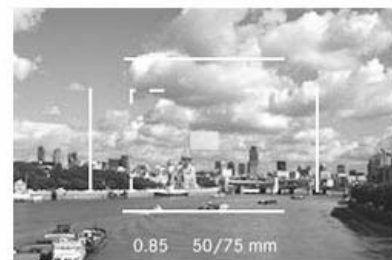
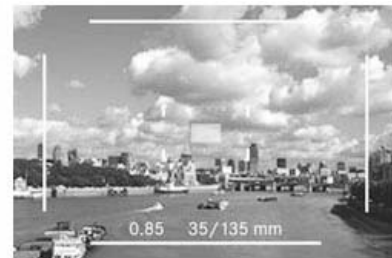
With the LEICA M7, you can choose between three viewfinder magnifications: the standard 0.72x, an 0.85x viewfinder magnification for longer focal lengths, and an 0.58x viewfinder magnification for wide-angle photography.



0.58x viewfinder magnification for people who wear spectacles and for wide angle photography



0.72x viewfinder magnification for universal use



0.85x viewfinder magnification for longer focal lengths

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LEICA

M7

DX Coding & On/Off Switch

- ◆ The M7 automatically sets the film speed, or you can set the film speed manually. The film speed is automatically displayed in the viewfinder during the first two seconds after the camera is switched on.
- ◆ The separate On/Off switch, for ergonomic reasons, is positioned right next to the shutter release button and serves to activate the camera's electronics. The OFF setting blocks the shutter release.

Flash Sync and Second Curtain Sync

With a sync time of up to 1/1000 second, the M7 makes it easy to apply a properly balanced fill-in flash in many daylight situations. When you want your pictures to convey a truly natural impression, like the impression created by a time exposure with fill-in flash, for instance, the M7 can be set to trigger the flash with the second shutter curtain.

M7 Bodies and Kits

All M7 bodies include a neck strap, body cap, two 3v lithium batteries, 5-year limited warranty and Leica 3-year Passport warranty.

"50 Year M System"

Special Edition Set (LEM7K)

Includes M7 TTL .72 titanium body, 50mm f/1.4 Summilux M ASPH titanium lens, leather neck strap, black cloth-bound velvet-lined storage box, leather lens pouch, "50 Years of Leica M" book.....**10,800.00**

M7 "Starter Set" (LEM7SS)

Includes M7 TTL .72 black body, 50mm f/2.0 Summicron M lens**3795.00**

M7 TTL .58 Black Body (LEM7TTL.58B)

0.58x viewfinder magnification**2895.00**

M7 TTL .72 Black Body (LEM7TTL.72B)

0.58x viewfinder magnification**2895.00**

M7 TTL .85 Black Body (LEM7TTL.85B)

0.58x viewfinder magnification**2895.00**

M7 TTL .58 Silver Body (LEM7TTL.58S)

0.58x viewfinder magnification**2895.00**

M7 TTL .72 Silver Body (LEM7TTL.72S)

0.58x viewfinder magnification**2895.00**

M7 TTL .85 Silver Body (LEM7TTL.85S)

0.58x viewfinder magnification**2895.00**

M7 SPECIFICATIONS

Camera Type	Compact 35mm rangefinder system camera with electronically controlled shutter plus two mechanically controlled shutter speeds.
Lenses	Leica M lenses with focal lengths from 21 to 135mm
Viewfinder	Large, bright combined range- and viewfinder with bright-line frames and automatic parallax compensation. Eyepiece corrected for -0.5 diopter. Correction lenses from ±3 diopters are available. Bright-line frames are activated in pairs : 28 and 90mm (90mm by itself in the M7 0.85), 35 and 135mm (35mm by itself in the M7 0.58), and 50 and 75 mm. The respective bright-line frames are activated automatically when a lens is locked in place. Any desired frame can be previewed by means of the preview lever.
Large Base Rangefinder	Split-image and coincident-image rangefinder within a bright field in the center of the viewfinder image.
Effective Measurement Base	M7 0.58: 40.2mm; M7 0.72: 49.9mm; M7 0.85: 58.9 mm
Exposure Metering	Selective through-the-lens (TTL) exposure metering at working aperture. Center-weighted integral TTL metering for flash exposures with dedicated SCA 3000 standard flash units.
Film Speed Range	Choice of automatic film speed setting with DX-coded film cartridges from ISO 25 to ISO 5000 or manual setting from ISO 6 to ISO 25000. By means of the exposure override (± 2 EV), films with speeds ranging from ISO 1.5/3° to ISO 25000/45° can be used.
Exposure Modes	Choice of automatic control of the shutter speed – with corresponding viewfinder display – at a pre-selected f-stop (aperture-priority, or manual setting of shutter speed and f-stop in accordance with the LED light balance in the viewfinder.
Flash Exposure Control	Synchronization: Can be triggered by the first or the second shutter curtain (with an appropriate flash unit and a SCA-3502 Adapter). Flash synch speed: 1/50 second, set automatically in the AUTO mode; slower shutter speeds can be used with manual settings; faster shutter speeds (1/250, 1/500, 1/1000) can be used with manual settings if the flash unit being used offers the "High Speed Synchronization" function with an SCA-3502 Adapter. Flash exposure metering (with an SCA-3501/3502 Adapter, or a standard SCA-3000 flash unit such as the LEICA SF20) TTL control with center-weighted integral metering. Film speed range for TTL flash exposure metering ISO 12/12° to ISO 3200/36°. Displays when flash is being used: Readiness: The flash symbol LED in the viewfinder remains lit. Flash confirmation : The LED remains lit or it temporarily blinks rapidly after the exposure. Under-exposure is indicated by a temporary extinction of the LED.
Shutter and Shutter Release	Shutter: Horizontally running, rubberized cloth focal plane shutter. Extremely quiet. Controlled electronically, plus two mechanically-set shutter speeds : 1/60 s and 1/125 s. Shutter speeds: stepless from 32 to 1/1000 in the 'AUTO' automatic shutter speed control mode. In the manual mode, from 4 to 1/1000 in full steps, plus 'B' for time exposures of any length. Flash synch speed 1/50. Shutter release: Three stages: energizing – metered exposure value storage – release. Release button has an integrated thread for standard cable releases.
Film Transport	Advancing: Manually with quick wind lever or motorized using LEICA MOTOR-M. Rewinding: Manually with rewind lever after turning the lever to "R" on the front of the camera. Frame counter: On the top of the camera. Resets automatically on removal of base plate.
Camera Body	All-metal body with foldable rear panel. Brass top plate and base plate, both chromium plated in black or silver
Operating Voltage	6v power supply (2 lithium cells, type "DL 1/3 N"). Battery check shown by flashing of the LEDs in the digital display or the light balance or by illumination of the display "bc" or the LEDs going out.



EQUIPMENT LEASING AVAILABLE

35mm Manual Focus Rangefinder Camera

Mechanical perfection. Nothing else. The Leica MP is a tool. Made by hand, created for the photographer's craft. Tailored to the decisive photographic parameters. In compact form, with clean design, clearly laid out. Unobtrusive, quiet, reliable. Concentrated technology for concentrated photography, without distraction by automation. For pictures that only a photographer can see, compose and record. Modern, because it captures the present. Current, because all its features have been optimized. Traditional, because it builds on the accumulated experiences of the pioneer in 35mm camera construction. Not a photographic whim, but a camera for life.



FEATURES

- ◆ The MP is the purely mechanical alternative to the M7, whose electronically controlled shutter and aperture priority automatic exposure control offer more convenience and functions. The MP is dependent upon the skill of the photographer, but independent of, for instance, batteries. The latter are only needed for exposure metering. Those who set shutter speeds and apertures themselves can dispense with the electronics altogether.
- ◆ All control elements are made completely of metal. The pull-up rewind knob is especially handy and impact-resistant.
- ◆ Tailored ideally to the preferences and needs of the photographer, the MP is available with the three viewfinder magnifications of 0.58x, 0.72x, and 0.85x: 0.58x magnification for a great overview with wide-angle lenses and for eyeglass wearers. 0.72x as a universal standard. 0.85x for accurate focusing with medium focal length and telephoto lenses.
- ◆ Photography means writing with light. Photography with the MP also means being able to create dramatic images even in low light situations. Lenses that deliver rich contrast and full performance at full aperture; focusing with pinpoint accuracy with the Leica rangefinder; and the vibration-free release of the cloth focal plane shutter are the basis for that capability.
- ◆ The MP has been designed for longevity and value retention. To that end, Leica uses only selected materials and sophisticated fabrication processes. Before it was ready to be marketed, the MP was subjected to numerous and exhaustive field- and laboratory tests to prove its solidity. In extremely cold temperatures, in which no battery-dependent camera would function any longer. With shutter release cycles in numbers that hardly any other camera can sustain. That's why Leica can offer an unusually long 5-year warranty period.
- ◆ Difficult light situations can be mastered accurately with the MP, because the camera does not attempt to think on behalf of the photographer. Instead, its selective exposure metering provides the photographer with accurate, unequivocal data on which he can base his decisions. The MP goes one step further with a newly improved viewfinder: A new type of mirror and an additional lens element present a measuring field rich in contrast and clearly delineated bright-line frames for the various focal lengths, even with particularly critical lateral light.
- ◆ The MP is available in two finishes: silver chrome and black lacquer. And when, after long and intensive use, the black lacquer wears down to the bare brass on some edges and corners, you'll know that you shared many experiences with the camera.



MP Hammertone (LHSA)

The special edition MP LHSA model was commissioned by the Leica Historical Society of America (LHSA) on the occasion of their 35th birthday. Its surface finishing evokes the style of 1960s machinery and tools: top plate and base plate are given a grey Hammertone finish.

MP Hermes Edition

The MP Hermes Edition is a special edition of 500 silver-chrome MP cameras covered with exquisite Barenia calfskin supplied by Hermès. The processing of Barenia leather, which has a very fine, natural grain, gives it its unmistakable luxurious "feel". The naturally brown leather harmonizes particularly well with the silver chrome finish of the camera. In addition to a 35mm f/2 Summicron-M ASPH lens that is also finished in silver chrome, this special edition includes a handcrafted camera strap using the same exquisite Barenia leather. The lens hood, the camera body cover as well as the front- and rear covers of the lens are made of solid brass and they too, are finished in silver chrome. Special serial numbers from 001/500 to 500/500 are engraved on the lens and on the camera. Shipped in a textile-covered box, which is lined with pure silk.

LEICA

M LENSES

CAMERAS & LENSES

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The extreme importance that Leica dedicates to the highest quality of its products can be verified on every individual lens. Optical glasses are prepared to special formulations and grounded, polished and ultimately centered with extremely meticulous craftsmanship. The result, convenient, compact precision optics, unique in themselves that are always designed to meet the needs of practical photography. And extraordinarily long-lived too. All Leica M lenses are compatible with every M cameras of the past, present and future. There is more. The judicious policy of preserving compatibility even allows lenses from the 1930's to be used on highly modern Leica cameras. Every new lens is supplied with a high-grade soft nappa leather case and a lens hood that is specifically designed for that lens.

At Leica, each lens is a masterpiece. Aspherical lens elements (ASPH) are used for further enhancement of the imaging performance. They have a surface that deviates from the spherical shape and they are very complex to produce, but they produce the very best results with a compact design. Apochromatic correction (APO) is used by Leica on telephoto lenses in order to combine the color spectrum coming from a point on the subject practically into a point on the image. This assures the highest sharpness across the entire image, even at full aperture.



WIDE-ANGLE LENSES



21mm f/2.8 Elmarit-M ASPH

24mm f/2.8 Elmarit-M ASPH and 28mm f/2.8 Elmarit-M

21mm f/2.8 Elmarit-M ASPH (LE2128AM)

Uniform sharpness and low distortion across the entire image area, even at full aperture, distinguish this lens. This is achieved with, among other factors, a lens element with an aspherical surface. Optimal for dramatic effects with monumental foreground, strongly receding background and a wide horizon. With this lens, focusing and exposure metering are performed by looking into the camera's viewfinder, whereas the actual field coverage is checked by means of an accessory brilliant viewfinder. Available in black anodized or silver chrome finish.....**2895.00**

24mm f/2.8 Elmarit-M ASPH (LE2428AM)

This lens establishes new standards for wide-angle lenses with regard to contrast and detail rendition at full aperture. This special lens design combines one aspherical lens surface, one lens element with anomalous partial dispersion and two other lens elements made of optical glasses with high indices of refraction to give this compact unit outstanding contrast—and detail rendition— even at full aperture. This focal length is often ideal for dynamic close-ups or for landscape photographs with great depth. High brilliance and dimensional effect, even in the close-up range. Available in black anodized or silver chrome finish.....**2395.00**

28mm f/2 Summicron-M ASPH (LE282M)

Very fast wide-angle lens recommended for reporting and available light photography such as twilight or in dimly lit interiors. Uncompromised image quality, even at full aperture. Thanks to a sophisticated optical formula, in which special types of glass and an aspherical surface were used, the dimensions and the weight are almost identical to the 28mm f/2.8 even though it is one stop faster**2595.00**

28mm f/2.8 Elmarit-M (LE2828M)

Because of its impressive rendering of fine details and contrasts, this lens is the preferred choice for photographs in tight quarters and for landscape and architectural photography. In order to make the frame visible, a bright-line frame is displayed in the viewfinder of the M7 0.58 or 0.72. With the M7 0.85, an accessory brilliant viewfinder is required.....**2095.00**



LEICA

M LENSES

WIDE-ANGLE and STANDARD LENSES

35mm f/1.4 Summilux-M (LE3514Am)

The focal length makes it an all-around versatile lens—yet its high-speed makes it an exceptional lens. A wide-angle lens with very high speed and rich contrast rendition and an imaging performance at full aperture that is unique in compact 35mm lenses. The complex optical design with an aspherical lens surface produces an image quality at full aperture that is unique for compact wide-angle lenses. Available in black anodized or silver chrome finish.....2795.00

35mm f/2 Summicron-M ASPH (LE352AM)

With superb sharpness, excellent contrast and outstanding resolving power across the entire focusing range, this versatile all-around lens is one of the world's top high-speed wide-angle lenses. Equipped with the 35mm f/2, a Leica M body becomes an elegant compact camera. Available in black anodized or silver chrome finish.....1895.00

50mm f/1.0 Noctilux-M (LE501M)

The world's first f/1.0 lens for 35mm cameras manufactured in series by Leica. A 'giant light-gatherer' with its outstanding optical performance, it produces night photographs with excellent contrast without flash – even by candlelight! It produces outstanding contrast rendition, so that barely noticeable color differences are faithfully separated and the finest structures of the subject are resolved accurately, even under unfavorable light conditions.....3295.00



50mm f/1.4 Summilux-M (LE5014M)

An extremely fast standard lens, the 50mm f1.4 is the favorite of many reportage photographers. Sharpness and contrast are outstanding at full aperture. Its extraordinary speed of f1/4 permits short shutter speeds even in poor lighting conditions. The lens also has remarkably neutral color rendition and exact color differentiation. Available in black anodized or silver chrome finish.....1895.00

50mm f/2.0 Summicron-M (LE502M)

This legendary and handy universal lens is certainly one of the very best among fast standard lenses. Its image quality is outstanding, even at closest focusing distances. With a built-in sliding lens hood. Available in black anodized or silver chrome finish.....1295.00

50mm f/2.8 Elmar-M (LE5028M)

This is the lens of choice when compact size and light weight are more important than the highest speed. The lens barrel can collapse into the camera body, making your M7 or MP extra handy. The utilization of optical glasses with high indices of refraction and a new optical computation produce an overall outstanding performance. Available in black anodized or silver chrome finish.....795.00

LEICA

M LENSES

TELEPHOTO LENSES



75mm f/1.4 Summilux-M



90mm f/2 APO Summicron-M ASPH



90mm f/2.8 Elmarit-M



135mm f/3.4 APO Telyt-M



90mm f/4 Macro-Elmarit-M

75mm f/1.4 Summilux-M (LE7514M)

A fast lens with unique capabilities. The flare-free and unexcelled subtleties of its color rendition are the result of a meticulous optical computation and unique optical glass. Systemic vignetting is remarkably low for a lens of this speed, and distortion is practically undetectable. Its high speed of f/1.4 is ideal for available light photography, especially natural portraits. Ideal for difficult, high-contrast situations, such as at concerts or stage performances. Has a built-in sliding lens hood.....2995.00

90mm f/2 APO Summicron-M ASPH (LE902AM)

A lens that is practically unequaled in its class. Its high speed permits relatively fast shutter speeds, which, among other things, help to prevent blurs in quick inconspicuous snapshots taken at a distance. With an aspherical lens surface and APO-corrected quality, this lens sets the standard for portraits and photojournalism. Has built-in sliding lens hoods. Available in anodized black or silver chrome finish2295.00

90mm f/2.8 Elmarit-M (LE9028M)

Very good contrast and sharpness, even at full aperture, make this compact universal lens that only weighs 14 oz. an ideal companion on the road. Only slightly bigger than a 50mm lens. Has built-in sliding lens hoods. Available in anodized black or silver chrome finish1445.00

90mm f/4 Macro-Elmarit-M (LE904M)

The 90mm f/4 Macro is a high performance lens, ideal for portraits, travel or photojournalism. When combined with the dedicated Macro Adapter, the lens has a reproduction ratio of 1:3. Weighing less than 1 lb. and only 1.6" when collapsed, the 90mm f/4 Macro is first choice whenever you wish to limit your outfit to a minimum without forfeiting the maximum in image quality. Includes clip-on, reversible metal lens hood and soft, padded leather case. Available in anodized black or silver chrome finish.....1295.00

135mm f/3.4 APO Telyt-M (LE13534AM)

Remarkable in all aspects, this telephoto lens has outstanding Leica APO qualities in terms of perfect resolving power, contrast and sharpness at all apertures. Other plus points are its low weight and ease of use. Comes with a built-in sliding lens hood2295.00

Macro-Adapter-M (LEAM)

Designed specifically for the 90mm f/4 Macro, the Macro-Adapter M allows the lens to close focus from 2.5-ft. (1:6 life-size ratio) down to 1.6-ft. (1:3 life-size ratio). When the lens is to be used in its close-focusing range from 0.77 to 0.5m, the Macro-Adapter-M is attached to the camera body instead of the lens. The lens is then mounted on the adapter after rotating it 180°, i.e. with its lower side turned up. In this position, a second pair of distance and depth of field scales for the respective focusing range becomes visible, enabling easy reading from above. Includes a practical leather case featuring a belt loop844.95



LEICA

M LENSES

Tri-Elmar-M 28-35-50mm f/4 ASPH (LE283550MB)

With the versatile Tri-Elmar-M, Leica combines the M-photographer's three most popular focal lengths, 28, 35 and 50mm, into a single, extremely compact lens—while retaining the high optical performance typical of Leica. Completely redesigned and more reliable and easier to use than ever. A shaped handle on the distance setting ring makes focusing easier and a scale on the lens displays the depth of field for all three focal lengths. Filter diameter is reduced to only 49mm for a better viewfinder image. The optimized zoom ring engages audibly and tangibly at every focal length now, thus preventing accidental readjustment of the focal length. A metal lens hood is available as an accessory that does not obstruct the viewfinder image. Using an adapter, a 67mm circular polarizer can be used that is set directly through the viewfinder. A matching 49mm UVA "slim filter" that prevents vignetting at 28mm is also available.



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High Optical Performance:

Designed and manufactured in Germany, the lens comprises 8 lenses in 6 groups. In order to guarantee maximum optical performance for such a compact lens, two aspherical lenses were used. Furthermore, 5 lenses in the complex optical system are made of especially high refracting glass. The lens is characterized by good to very good performance at all three focal lengths. Even when completely open, a high-contrast image with good detail resolution is achieved. The contrast can even be increased by stopping down at f/5.6. Because the performance is already good with maximum opening, the critical f-stop with this lens is between f-stop 5.6 and 8. At all three focal lengths, field curvature has been reduced to a minimum so that it is not visible in practice. At 35mm and 50mm, vignetting is similarly low to that of the Leica M fixed focal lengths. Only at 28mm is vignetting slightly stronger. Above f/8 all three focal lengths of the lens are free of artificial vignetting2895.00

Lens Designation	Focal Length/Speed in mm	Angle of View	Lens Elements/Groups	Smallest Aperture	Filter Size	Length in mm	Weight in grams
ELMARIT-M ASPH	21 f/2.8	92°	9/7	16	55	46	300
ELMARIT-M ASPH silver chrome finish	21 f/2.8	92°	9/7	16	E55	46	414
ELMARIT-M ASPH	24 f/2.8	84°	7/5	16	E55	45	290
ELMARIT-M ASPH silver chrome finish	24 f/2.8	84°	7/5	16	E55	45	388
SUMMICRON-M ASPH	28 f/2	76°	9/6	16	E46	41	270
ELMARIT-M	28 f/2.8	76°	8/7	22	E46	41.4	260
SUMMILUX-M ASPH	35 f/1.4	64°	9/5	16	E46	46.2	310
SUMMILUX-M ASPH silver chrome finish	35 f/1.4	64°	9/5	16	E46	46.2	415
SUMMICRON-M ASPH	35 f/2	64°	7/5	16	E39	34.5	255
SUMMICRON-M ASPH silver chrome finish	35 f/2	64°	7/5	16	E39	34.5	340
TRI-ELMAR-M ASPH	28-35-50 f/4	64°-64°-44°	8/6	22	E55	67.8	340
NOCTILUX-M	50 f/1	45°	7/6	16	E60	62	630
SUMMILUX-M	50 f/1.4	45°	7/5	16	E46	46.7	275
SUMMILUX-M silver chrome finish	50 f/1.4	45°	7/5	16	E46	46.7	380
SUMMICRON-M	50 f/2	45°	6/4	16	E39	43.5	240
SUMMICRON-M silver chrome finish	50 f/2	45°	6/4	16	E39	43.5	335
ELMAR-M	50 f/2.8	45°	4/3	16	E39	37.6	170
ELMAR-M silver chrome finish	50 f/2.8	45°	4/3	16	E39	37.6	245
SUMMILUX-M	75 f/1.4	31°	7/5	16	E60	80	560
APO SUMMICRON-M ASPH	90 f/2	27°	5/5	16	E55	78	500
ELMARIT-M	90 f/2.8	27°	4/4	22	E46	76	410
ELMARIT-M silver chrome finish	90 f/2.8	27°	4/4	22	E46	76	560
APO-TELYT-M	135 f/3.4	18°	5/4	22	E49	105	460

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LEICA

M7 & MP ACCESSORIES

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Motor M (LEWM)

An especially compact and quiet motor drive for the Leica M7, the Motor M allows you to shoot up to 3 fps (frames per second). It's motor and gear train are especially designed for quiet operation. In fact, you can shoot at 1.5 fps practically unnoticed. The exceptionally good handling of the camera, lens and Motor M form a harmoniously balanced unit. On the rear of the Motor M there is an on/off switch with two speed settings (1.5 and 3 fps). Two lithium 123A batteries are housed in the ergonomic handle, which is covered with grained PVC. The battery compartment is equipped with a cover that cannot be lost and with a lock to protect against accidental opening. The Motor M continues the shape of the main body of the M7 and increases the height of the camera winder unit by only 18.5mm.....**845.00**

SF24D TTL Flash (LESF24D)

A compact and lightweight flash with a handsome Leica design, the SF24D is easy to carry and simple to operate. It allows TTL-flash exposure control with the M6 or M7 (as well as R8/R9). It features an illuminated LCD display and variable flash output — useful, for instance, for pictures that benefit from fill-in flash. Powered by two 3v lithium batteries for high performance and fast recycling. The relatively large distance between the optical axis of the M lens and the flash tube reduces the danger of the “red-eye effect”. Flash switches off automatically when not in use for more than 3 minutes. Includes 24mm wide angle and 85mm telephoto diffusers and a velvet pouch. Available in titanium or black.....**249.95**

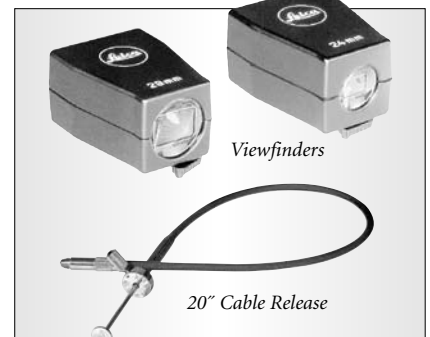


Viewfinder for 24mm M-Lens (LEVF24)

Bright-line frame finder for M 24mm lenses. Parallax compensation markings below 2m. Includes case.....**319.95**

Viewfinder for 28mm M-Lens

Bright-line frame finder for M 28mm lenses. Parallax compensation markings below 2m. Includes case.



20" Cable Release (LECR20R)

Mechanical cable release with set-screw lock for time exposures..... **28.95**



Handgrip M

Handgrip M (LEGM)

For secure and comfortable holding of the M7 wherever you are. With a centered tripod socket.....**103.50**

Viewfinder for 21/24/28mm Lenses (LEVF)

The Viewfinder for 21/24/28mm lenses combines high optical performance with practical handling, as the selection of framing for all three focal lengths can be carried out without changing the viewfinder. Robust all-metal construction for professional use. Available in black or silver finish**369.95**

VF Magnifier M 1.25x (LEVFM)

A small and practical accessory for M Series cameras, the VF Magnifier M 1.25x enlarges the viewfinder image by twenty-five percent, facilitating image composition when using lenses with focal lengths of 50mm or longer. At the same time, it also improves focusing accuracy by expanding the effective measuring base.

The wide-angle version of the M7 with 0.58x viewfinder magnification produces 0.72x magnification when the magnifier is used and is therefore suitable for longer focal lengths as well. With the 0.72x version, an 0.9x viewfinder magnification is obtained. And the 0.85x version, which is already geared to longer focal lengths, has a 1.06x magnification with the viewing magnifier. Made of black anodized aluminum, the viewing magnifier is screwed into the camera eyepiece. It also has a thread for correction lenses to compensate for vision defects.....**229.00**



Diopter Lenses for MP/M7

- +0.5 Diopter (LEDP.5M)**72.95**
- +1 Diopter (LEDP1M).....**72.95**
- +1.5 Diopter (LEDP1.5M).....**72.95**
- +2.0 Diopter (LEDP2M).....**72.95**
- +3.0 Diopter (LEDP3M).....**72.95**
- 0.5 Diopter (LEDM.5M).....**72.95**
- 1.0 Diopter (LEDM1M)**72.95**
- 1.5 Diopter (LEDM1.5M).....**72.95**
- 2.0 Diopter (LEDM2M)**72.95**
- 3.0 Diopter (LEDM3M)**72.95**



ONE HOUR FREE PARKING
AT 349 W. 34th STREET (with purchase of \$100 or more)

M7 & MP ACCESSORIES

MP Rapid Film Rewind Crank

The rewind crank is an accessory for fast and convenient rewinding of the film. The crank gets attached to the rewinding knob by means of a small screw. Includes a small screwdriver.



Silver Crank (LERCMPS)179.00
Black Crank (LERCMPB)179.00

Leicavit-M Rapid Manual Film Advance Winder



The Leicavit M is a compact, manual quick-wind device for the MP and M7. Attaching the Leicavit M only increases the height of the camera by 9.1mm, and only adds 5oz. to the weight. It allows the film to be advanced quickly and comfortably without having to take the camera away from your eye.

Silver Winder (LELVS)995.00
Black Winder (LELVB)995.00



Ever-Ready Case M (LECM6Z)

With standard front for Leica M7 (without winder). Holds an M7 with an attached 21mm, 24mm, 28mm, 35mm, any 50mm lens159.95

Ever-Ready Case MP (LECMP)

With a large front for Leica M7 (without winder). Holds an M7 with an attached 21mm, 24mm, 28mm, 35mm, 50mm or 28-35-50mm lens239.95

Lens Hoods for M Lenses



Lens Hood for 21mm f/2.8, 24mm f/2.8 and 28-35-50mm f/4.0 M-Lenses (LELH24M)
Replacement for 21mm and 24mm lenses only108.50

Lens Hood for 28mm f/2.0 M Lens (LELH282M)99.95

Lens Hood for 35mm f/1.4 M Lens (LELH35MY)
Replacement79.95

Lens Hood for 35mm f/2.0 M Lens (LELH35MQ3)
Replacement68.50

Lens Hood for 50mm f/2.8 Chrome M Lens (LELH50MY)
Replacement54.50

Lens Hood for 50mm f/2.8 Black M Lens (LELH50BMZ)
Replacement54.50

Lens Hood for 28-35-50mm M Lens (LELH2835504M) ..139.00

Large Ball and Socket Head (LEBSHL)

Hold nearly any 35mm camera/lens combination. 1/4-20" standard camera attachment screw. Great for use with the Leica tabletop tripod. It features a ridged ball for precise feel and positioning capacity. Supports 5.5 lb.....168.95



Table Tripod (LETT)

Compact, practical and stable, the Table Tripod is an indispensable support for long exposure time. With three legs (the legs rotate together to make it flat for storage) and standard 1/4-20" top screw thread. Ideal for use with the Large Ball & Socket Head..... 91.95



Lens Carrier M (LELCM)



A clever way to have a second lens ready without having to take an extra camera case along. It attaches to the baseplate of the camera and accepts one M-mount lens 179.00

Filters for LEICA M and R Lenses

Series 5.5 ND 1x (LEND1S5.5)119.95	E49 UVa (LEUV49)79.95
Series 5.5 Filter Holder for 280mm and 400mm R lenses (LEFH400)237.95	E49 UVa for 28-35-50/4.0 ASPH (LEUV49E)93.50
Series 5.5 Circular Polarizer for 280mm, 400mm f/2.8 R Lenses (LECP400R)363.95	E55 UVa (LEUV55)84.95
Series 6 Filter Holder for 280/400/560mm, 400/560/800mm (LEFHS6)248.50	Silver E55 UVa (LEUV55S)95.95
Series 6 UVa (LEUVS6)64.95	55E Circular Polarizer (LECP55Q)239.95
Series 6 Circular Polarizer (LECP56)389.95	E60 UVa (LEUV60E)89.95
Series 6 ND 1x (LEND1S6)136.95	60E Circular Polarizer (LECP60EQ)259.95
Series 8 UVa (LEUVS8)94.95	E67 UVa (LEUV67)99.95
Series 8 Circular Polarizer (LECP58)268.95	67E Circular Polarizer (LECP67Q)283.50
E39 UVa Glass Filter (LEUV39)59.95	E77 UVa (LEUV77)119.95
Silver E39 UVa (LEUV39S)59.95	77E Circular Polarizer (LECP77)285.95
E46 UVa (LEUV46)79.95	Universal Polarizer for M Lenses (requires adapter) (LEUPM)367.50

LEICA

R9

35mm Manual Focusing SLR Camera

A unique technological masterpiece, the R9 is the outstanding result of years of development work. Embodying all of Leica's optical and mechanical know how, the R9 meets the highest demands down to the smallest detail in order to deliver the very best—brilliant photographs, even under extremely difficult light conditions. The R9 gives you the confidence of being able to rely fully on precise automatic procedures – as long as you so desire. But you can also exercise your creative latitude as much as you wish with all camera functions. With its many manual setting possibilities, the R9 always leaves it up to you to what extent you wish to control the exposure yourself.

Photography thrives on the creative freedom of photographers, and that freedom doesn't like to be encumbered by

complicated technology. Leica recognized this a long time ago. Guided by this policy, the R9 isn't crammed with every possible feature into the camera – only those features that make good sense – and at Leica's level of excellence. Special attention was paid, for instance, to the photographer's freedom to exercise complete control. Furthermore, the uniquely brilliant viewfinder enables him or her to evaluate the depth of field and the cropping.

With mechanical precision down to the finest details, innovative optics and intelligently thought-out electronics, the R9 is designed to implement your ideas with the highest possible quality. This opens all the possibilities for spontaneous, individualized creativity. And with it, flexibility, freedom, and not least the great pleasure of working with a superb camera.



FEATURES

- ◆ All operating elements of the R9 are positioned very conveniently and can be operated intuitively, without moving the eye away from the viewfinder. The rugged metal body fits very nicely in your hands and it weighs an ideal 27 oz.
- ◆ Thanks to its R bayonet, the R9 is compatible with virtually all R lenses made since 1965. Nearly all current Leica R lenses are equipped with ROM contacts, which establish specific communication between camera and lens, leading to perfect exposures.
- ◆ Judiciously balanced in every detail, the design of the R9 will quickly excite you. Its compact external appearance is attractive because of the clarity of its contours and the harmony of all its proportions. The prism housing that usually clearly protrudes on other SLR cameras is integrated into the shape of the R9 camera body with elegant restraint, so that it is but a graceful contour. The main operating elements also don't protrude, and are recessed into the housing instead.
- ◆ The R9's distinctive styling stands out for its unique clarity and timeless elegance. Its sturdy metal construction makes it robust and durable. With outstanding ergonomic design, the R9 fits very well in the hands, even with long focal length lenses.
- ◆ Flexibility and comfort are also emphasized in conjunction with the film advance. Easy film advance starts with the insertion of the film cartridge, because you are spared the usually cumbersome threading.
- ◆ When the optional winder or motor drive is being used, you can also decide whether the film tongue is to be rewound completely into the cartridge or not.
- ◆ With double exposures too, you have every option: avoid double exposures altogether – or implement them deliberately, because the R9 has an extra lever that uncouples the film advance mechanism and accurately locks the film in its position.

A skilled photographer can use any camera to take good pictures. However, for outstanding photographs that fully satisfy their own standards of quality, a tool that functions at least as accurately as he or she does is needed. Leica SLR cameras enable the execution of creative ideas confidently in all situations, because every Leica is a precision instrument, manufactured by with great dedication and scrupulous accuracy. The Leica R system embodies over a hundred years of optical and mechanical experience, combined with the most modern manufacturing technology and special craftsmanship that make Leica cameras and lenses legendary.



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The Viewfinder

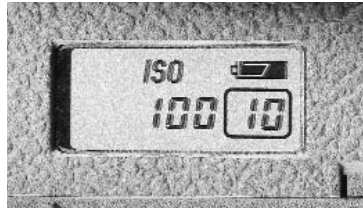
The bright and contrasty viewfinder image showcases the imaging quality of Leica R lenses with full brilliance, while it provides all the relevant information at a glance:

- ◆ A single LCD line below the viewfinder image provides a clear, unobtrusive overview of, among other things and depending on the operating mode: exposure number, operating mode, metering method, light balance with manual exposure setting, flash readiness as well as the aperture-and-shutter-speed combination, etc. With zoom lenses that have a focal-length-dependent aperture range, the actual aperture is shown in the viewfinder display in steps within the respective aperture range.
- ◆ The high-eyepoint viewfinder itself offers an absolutely brilliant and contrasty image. Even under unfavorable light conditions, it provides a bright, dimensional image of every subject and all its nuances, exactly as you see it. And it does so all the way into the corners of the focusing screen – without your having to press your eye to the eyecup. For convenience, the eyecup can be locked in place, so it doesn't get lost.



- ◆ For time exposures an integrated shutter prevents light from reaching the film through the eyepiece.
- ◆ Diopter compensation range from ± 2 in half steps, enables photographers to focus and expose with or without their glasses.
- ◆ The R9 is equipped with an interchangeable universal focusing screen (ground glass screen with microprism ring and wedge). Four additional focusing screens are optionally available: uniform ground glass screen, microprism focusing screen, uniform ground glass screen with grid divisions, clear glass screen with cross lines.

LCD Back Display—Welcome to the Information Center



Even when your eye is not at the viewfinder, you can easily survey all the parameters. The R9 features an illuminated LCD display on the back cover of the camera for added convenience. In addition to certain parameters that are also shown in the viewfinder, it provides information about film speed, self-timer operation and battery condition. When the camera is switched on, the LCD shows, among other parameters, the exposure counter, including multiple exposures, battery condition (in two steps), exposure corrections, flash readiness and the exposure deviation in the F mode. Beyond that, the display shows the elapsed seconds during time exposures.

- ◆ Exposures in the multi-pattern metering mode can not only be controlled by means of the exposure compensation switch and the ISO keys via the back cover display, they can also be adjusted individually. If you wish, the exposure level can be modified to suit your preference and programmed permanently in steps of one tenth of an f-stop (max. ± 0.7 stop) in the multi-pattern metering mode and in accordance with the type of film being used.
- ◆ Film speed can be read on the back cover LCD display. Thanks to DX coding, you can begin to take pictures immediately after loading the film without risking exposure errors. Manual changes of the ISO setting can be done to satisfy individual preferences: for more intense color saturation in the case of slide films for instance, or for push-processing. The film speed read from the DX coding is shown permanently in the display.
- ◆ The self-timer can be set for two shutter release delays : 2-sec. and 12-sec. The time remaining before the shutter is released is shown on the back cover display in the form of a countdown. A red LED on the front of the camera blinks while the self-timer is activated.

Exposure Control—Designed to Master any Situation

Equipped with an extremely sensitive metering system with three specific exposure metering modes, the R9 makes it easy for you to react to the most diverse lighting situations. Whether you opt for an intelligent, fully automatic determination of a balanced exposure or whether you wish to control this process yourself – the R9 provides you with a free choice.

- ◆ Multiple-pattern metering automatically analyzes the prevailing light and derives an optimal exposure from the results. The brightness values of six different sections are measured and stored separately. The values are then assigned to preprogrammed subject types that are coupled with prescribed control instructions. The individual sections are then weighted and coordinated with the full subject area. The result: exposures that are always well balanced, even in extreme contrast situations, above- and below average brightness conditions or unusually positioned main subjects. And since different films require tailored exposure settings (short exposures for transparencies, long exposures for negatives), the exposure level of the multiple pattern exposure metering mode can be adjusted in 1/10s of a step to suit individual wishes.
- ◆ Selective metering with the R9 is the first choice for all those photographs that pose a genuine challenge: back-lit situations or subjects with extreme contrasts. Selective metering covers a narrowly limited subject area. The exposure value determined by this precise metering method can be stored by gently pressing the shutter release button to the first pressure point and holding it there until you have found your optimal composition. Shutter speed or aperture settings can still be changed, because the camera will automatically compensate the second setting to maintain the metered exposure value.
- ◆ Integral metering is suitable primarily for balanced light situations. In this mode, the entire subject is center-weighted and metered – an optimal solution for subjects that are centered anyway. Integral metering is of practically universal application, you retain control of the exposure. That is why it is particularly appropriate for specific overrides : over- or underexposures by means of \pm corrections. The override switch can be activated safely even while the eye is at the viewfinder.

LEICA

R9

Program Modes

The R9 offers four different operating modes, all of which can readily be combined with the three metering methods. (Shutter speed is stepless in automatic program and aperture priority modes from 32 to 1/8000 sec., and in half-steps from 16 to 1/8000 sec., in shutter speed priority and manual exposure modes.) For added convenience the operating mode selector dial can be locked, ensuring that your setting will be retained, so that you can start making exposures in the selected mode at any time.

P – Variable Automatic Program Mode:

Interesting subjects require a quick reaction. Those are perfect situations for the variable automatic program mode, because it spontaneously and instantly sets the appropriate combination of shutter speed and aperture. In addition, by turning the shutter speed dial, you can change the shutter speed and aperture combination established by the camera at any time to suit the desired pictorial effect. Thus the variable automatic program mode very conveniently takes care of freezing a fast-moving subject or deliberately reducing the depth of field.

A – Aperture Priority:

While you concentrate on the choice of just the right aperture for your photograph the camera sets the proper shutter speed. On the R9, you can use the preview lever to evaluate the depth of field directly through the viewfinder. And thanks to HSS (High Speed Synchronization) you can now use flash with all shutter speeds.

T – Shutter Speed Priority:

You set the shutter while the camera automatically sets the correct aperture. By pre-setting the shutter speed, for instance, you can opt for a sharp, frozen image of the subject, or use it to create a dynamic blur.

M – Manual Operation:

Ideal when you are working under unusual light conditions and you wish to capture a very special mood. In this mode, you set both the shutter speed as well as the aperture, and you can change them in half steps. By using the selective metering mode, you can control the exposure very precisely.

USING FLASH—LIGHT DOESN'T EQUAL LIGHT

The flash exposure control of the R9 enables you to achieve any desired lighting mood. It determines the particular individual flash intensity and automatically and precisely balances the flash with the surrounding ambient illumination. If you prefer, you can also make these settings.

Metering During the Exposure:

Flash illumination – like daylight illumination – is metered through the lens. With dedicated flash units, this takes place in the center-weighted integral mode. You can, however, choose one of several modes in order to take advantage of different creative possibilities: The variable automatic program mode measures the ambient light and tailors the flash intensity to it in a pleasing manner. In shutter speed and aperture priority modes or in manual, you can preset the shutter speed or the aperture, respectively, and enter the corrections of the amount of flash for the desired pictorial effect.

Metering Before the Exposure:

With the R9, flash exposure can also be metered before making the actual exposure. The metering in this case is limited to the part of the subject outlined by the circle in the center of the viewfinder image. This makes it possible to tailor the flash illumination specifically to a particular detail of your subject. Flash brightness is metered by means of a pre-flash directed at the subject. The result is shown in the over- and under-exposure reading in the back cover display and it can be corrected quickly by manually selecting the appropriate aperture. Brightness of the entire subject is subsequently measured in one of the three metering modes, and then the actual exposure is made. The selective flash mode F thus leads to perfectly balanced pictures in conjunction with an external flash unit.



High-Speed Flashes:

With High Speed Synchronization (HSS), the R9 permits super-fast flash exposures with shutter speeds up to 1/8000 (in conjunction with an HSS flash like the Metz 54MZ-3). By triggering numerous flashes in very fast succession, the effect comes very close to that of a constant light source that uniformly illuminates the entire image area. This makes it possible, for instance, to achieve a fill-flash effect in portraits being taken in sunshine with a wide-open aperture. The flash exposure is determined by means of a pre-flash with selective metering of the main subject. As long as the camera's electronics are activated, the result of the pre-exposure metering remains stored independently of the result of the ambient light metering, so that the desired cropping can be chosen freely after that measurement has been stored.

First or Second Shutter Curtain:

You can set the timing of flash synchronization yourself by using the respective lever position. This determines whether the flash is triggered at the beginning of the exposure as usual, or whether it is fired at the end of the exposure. These two modes can often render the very same subject quite differently. When the flash is triggered at the end of the exposure (i. e. synchronized with the second shutter curtain), moving subjects are depicted more realistically. This effect becomes much more dramatic with long exposure times.

R9 SPECIFICATIONS

Type:	35mm SLR
Lens Mount:	Leica R (NOTE: Older model R lenses fit, but with limited camera functions)
Focus Modes:	Manual
Focus Type:	Manual
Focusing Range:	Not applicable
Exposure Modes:	Variable Program, Aperture Priority, Shutter Priority, Manual, TTL Flash and "F" Mode (for non-dedicated flash & studio lighting)
Exposure Metering:	- 6-Zone evaluative - Centerweighted - Spot - Built-in flash metering mode for non-dedicated or studio lighting
Metering Range:	EV -2 to 20 (with f/1.4 lens @ ISO 100)
Shutter Speed:	1/8000 to 32 seconds + Bulb, with flash sync up to 1/250 second, 1/350-1/8000 with Metz module
Exposure Compensation:	±0.7EV in 1/10 EV increments
Exposure Bracketing:	3 Frames in 1/2 or whole steps with optional motor drive
ISO Range:	• 25-500 (DX) • 6-12800 (manual setting)
Film Wind:	Manual (optional winder or motor drive available)
Focusing Screen:	Interchangeable (standard screen is matte with microprism & split image rangefinder)
Diopter Correction:	Yes (-2 to +2)
Self Timer:	12 or 2-Second delay
Remote Control:	Standard mechanical cable release
PC Terminal:	Yes
Depth-of-Field Preview:	Yes
Mirror Lock-Up:	Yes
Multiple Exposure:	Yes
Viewfinder Information:	Metering type, Metering memory activation, Flash readiness, Aperture, Shutter speed, Test flash result and Frame counter, Low light indicator
Power Source:	Two CR2 3-volt lithium batteries
Dimensions:	6.2 x 4.0 x 2.4" WxHxD
Weight:	1.74 lb.

Digital Modul-R (LDMR)

The Digital Modul-R is a digital camera back designed for the Leica R8 and R9 cameras. With the back they become the world's first hybrid 35mm cameras that can be used optionally for digital or analog photography.



- ◆ The image sensor consists of a 10-megapixel CCD sensor specially produced by Kodak. The integration of the sensor into an existing camera concept requires that the sensor and its housing be positioned at the film gate of the R8 or R9. That is why the active surface of the sensor is smaller than the area of the film gate, limiting the resulting focal length extension factor to a modest 1.37x. The effective imaging area of the sensors measures 26.4 x 17.6mm. Sensitivity ranges from ISO 100 to at ISO 800.
- ◆ In addition to the high quality picture, the Digital Modul-R provides a solution that is as compact as possible, with a logical operating procedure. This means that the settings that are relevant for the exposure are easy to control by means of a clearly legible display and a setting dial, without having to use the menu guide on the color monitor.
- ◆ Functions that can be controlled directly are: sensitivity setting, resolution, compression, white balance, self-timer, and exposure corrections. Menu functions on the color monitor are for configuring the back—setting the user profile, color management, or brightness and contrast of the color monitor. Because functions can be controlled directly while shooting by means of the setting dial, the content of the menu is minimal and it provides a clear overview.
- ◆ The color monitor on the digital back is used for evaluating the images stored after the exposures:
 - A histogram furnishes detailed information about the dynamics of the photograph, thus providing the possibility of a differentiated analysis of the pictorial result.
 - An audio histogram signals over- and under-exposures acoustically: The photographer is assured of correct exposures while working continuously, without having to move the camera away from the eye.
- Data-formats include RAW, TIFF, 2 JPEG-compression rates; uses SD-cards for storage; offers an IEEE1394 (Firewire) interface
- BW display shows frame counter, ISO, exposure compensation, battery status, flash ready signal, self timer, compression rate, resolution, moiré on/off, white balance.
- Menu includes: sharpness, color saturation, contrast, frame number, color display brightness and contrast, duration of auto review, histogram on/off, power save options, card formatting, warning signals, audio histogram on/off, date, time, user-profiles, firmware update, reset.

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R LENSES

The fascination of the name Leica is rooted as much in the superb mechanisms of the camera as it is in the proverbial precision and quality of its legendary lenses. And with the R9 too, the entire spectrum of R lenses developed since 1965 is applicable, supplemented by their latest designs in the fields of wide-angle-and zoom lenses. R lenses and the R9 body form a system that is ready for use immediately and that functions dependably. Making it easy for you to create perfect pictures.

Leica lenses are masterpieces, many of them of legendary fame. The quality of the optical glasses is the basis of this extraordinary reputation. Produced in accordance with special recipes, ground to clear perfection, meticulously polished, coated with extremely precise layers and repeatedly centered. In a synthesis of continually refined software and the long-time experience of highly specialized designers, Leica optics have been computed with the aid of electronic data processing systems since the fifties. The lenses stand out because of their imaging quality, which always receives top ratings in specialized photographic magazine tests and which are unequalled internationally.

You'll benefit from yet another exclusive advantage, a special feature that only Leica offers: The specific parameters of every current R lens (not just the general parameters of a given lens type) are measured individually and programmed into the ROM module of each lens, so they can communicate to the camera by means of appropriate contacts. This enables the R9 to conform precisely to true focal lengths and apertures in order, for instance, to control flash exposures accurately.

SUPER WIDE-ANGLE LENSES

Super wide-angle lenses are fascinating because of their enormous angle of view, which covers a much greater field of view than standard focal lengths do, for instance. They characteristically produce intensified perspectives with monumental foregrounds and rapidly receding backgrounds.



15mm f/2.8 Elmarit-R

15mm f/2.8 Super-Elmarit-R ASPH (LE1528R)

This ultra-wide-angle lens has the shortest focal length in the L-series. Aspherical lens element corrects distortion and other aberrations such as astigmatism, resulting in ideal image quality. Floating rear focusing system makes autofocus faster, and the lens more compact. Full-time manual focusing lets you switch to manual focus even in AF mode. The lens also has a fixed petal-type hood and a gelatin filter holder at the rear**6195.00**



19mm f/2.8 Elmarit-R

19mm f/2.8 Elmarit-R (LE1928RQ)

The 19mm f/2.8 is a compact, super-wide-angle lens with an angle of view of 96°. Its relatively high speed considerably expands its range of applications, especially in landscape, architectural and fashion photography. It is also an ideal lens for snapshots and for photojournalism, even wide open. Very high contrast, perfect reproduction of the finest details and ample imperviousness to stray light even at full aperture emphasize the versatility of this wide-angle lens. A built-in filter revolver comes with four different filters**3395.00**

24mm f/2.8 Elmarit-R (LE2428R)

A large angle of view, relatively high speed and excellent imaging performance, even at full aperture are a perfect combination to give this lens a special place in dynamic photojournalism in very confined spaces. It creates impressive images with extraordinary perspectives, but without the impression that a super wide-angle lens was used. Particularly suitable for spontaneous close-ups with a dynamic relationship between the main subject and its surroundings that results from the combination of a large angle of view, large aperture, and very good imaging performance, even at full aperture. Equipped with a lens hood and filter holder**2495.00**

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STANDARD WIDE-ANGLE LENSES

Standard wide-angle lenses are very versatile for everyday photography. Compared to normal lenses, they provide a distinctly larger coverage of the subject while still reproducing all size relationships with a relatively natural appearance.

28mm f/2.8 Elmarit-R (LE2828R)

Remarkably light and compact, the 28mm f/2.8 Elmarit-R's relatively high speed and harmonious wide-angle characteristics make it a very pleasant and universally applicable companion. Its outstanding rendition of fine structures and the rich contrast in the reproduction of contours, already at large apertures are the strengths of this popular wide-angle lens. The angle of view is 76° and the focusing range is from infinity to 11". It comes with a built-in sliding lens hood.....2195.00

28mm f/2.8

PC Super-Angulon-R (LE2828PCR)

The "PC" in this lens stands for perspective correction. It is designed for architectural photography, because it can straighten out those annoying converging lines. The large usable image circle diameter of 62mm makes it possible to shift the complete optical system by 11mm away from the optical axis. This makes it possible to eliminate converging lines, especially in interior- and in architectural photographs.....2695.00



28mm f/2.8 Elmarit-R

28mm f/2.8 PC Super-Angulon-R

35mm f/1.4

Summilux-R (LE3514R)

An ultra-fast wide-angle lens designed for shooting in low light. It is impressive for its outstanding imaging performance with subjects that include strong contrasts. It yields a very good sharpness impression and it is also hardly affected by stray light. "Floating elements" produce an outstanding image reproduction, even in the near-focusing range. Has an integrated lens hood3295.00

35mm f/2

Summicron-R (LE352R)

The 35mm Summicron-R is deal for candid photography, even in low light. It features low vignetting, minimal distortion and very good stray light prevention. Ideally suited for vivacious snapshots and a dimensional, natural rendition of ample subjects – in other words, whenever the use of a normal focal length would result in perspectives that are too tight. Integrated lens hood.....2095.00

STANDARD LENSES

Leica's standard lenses are small and lightweight with high performance. They combine high speed with outstanding imaging capabilities, and they are especially versatile, because their angle of view of 45° comes closest to the visual coverage of the human eye.



50mm f/2
Summicron-R

50mm f/1.4
Summilux-R

50mm f/2 Summicron-R (LE502R)

This versatile lens is considered the standard for image quality in 35mm format. Its 50mm focal length makes creative compositions possible in the classical format, especially in near- and medium distance ranges. Ideally suited for travel photography, because its length (1 1/2") and weight (10 1/2 oz.) make it compact and handy. Shortest focusing distance is 20". In spite of its high speed, it distinguishes itself by its outstanding sharpness, high contrast and excellent detail resolution, even at full aperture. Integrated lens hood1045.00

50mm f/1.4 Summilux-R (LE5014R)

This handy universal lens produces outstanding results with uniform performance across the entire image area, even under difficult light conditions and at large apertures. Thanks to its high speed, it renders fine details very clearly and with rich contrast at all apertures and distances. Handy and extremely fast lens for on-site reporting. Maximum f/1.4 aperture with the correspondingly very shallow depth of field, provides exceptional opportunities for very creative compositions. Integrated lens hood2395.00

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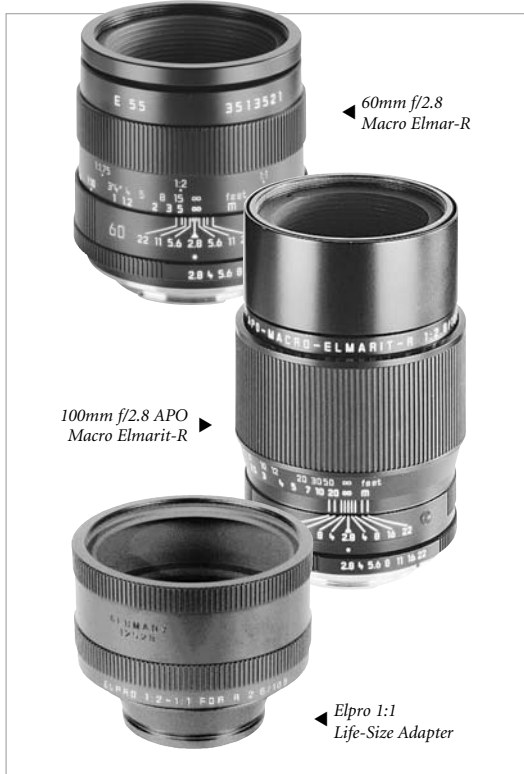
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MACRO LENSES



60mm f/2.8 Macro Elmarit-R (LE6028R)

Very good image quality in the close-up range, great sharpness and excellent detail fidelity, the 60mm f/2.8 Macro-Elmarit is impressive, not only in macro photography, but also in all applications that require these strengths. Offers a focusing range from infinity all the way down to a mere 10% (a maximum reproduction ratio of 1:2). With the optional Macro-Adapter R, a reproduction ratio of 1:1 can be achieved**2195.00**

100mm f/2.8 APO Macro Elmarit-R (LE10028AR)

A fast macro lens with apochromatic correction, the 100mm f/2.8 is as good for format-filling pictures from somewhat greater distances as it is for portraits from medium range. Delivers outstanding imaging performance over its entire focusing range, from infinity to 17%. With its high speed and high contrast and practically non-existent vignetting and distortion, details are clearly differentiated in all images and at all distances. Use the optional Elpro 1:1 Life-Size Adapter to extend its reproduction ratio down to 1:1. Has an integrated lens hood.....**2995.00**

Life-Size Adapters

Designed exclusively for the 60mm f/2.8 Macro and 100mm f/2.8 APO-Macro, these close-up attachments allows the lenses to achieve a reproduction ratio of 1:1.

Macro Adapter R (LEMARRC)

For the 60mm f/2.8 Macro Elmarit-R lens.....**459.95**

Elpro 1:1 Life-Size Adapter (LEE100)

For the 100mm f/2.8 Macro APO Macro Elmarit-R lens.....**467.50**

PORTRAIT LENSES

80mm f/1.4 Summilux-R (LE8014R)

This lens is predestined for lively portraits, personality studies and hand-held photography. It works with minimal vignetting, renders tonal values clearly and in fine nuances and it renders a uniform imaging performance across the full format – with very good reproduction of fine subject details. The exquisite advantages of this high-speed, high-performance lens is clearly evident, especially in available light photography. Even at full aperture, it stands out because of its freedom from reflections and the fine nuances of its tone reproduction. Integrated lens hood.....**3295.00**

90mm f/2 APO Summicron-R ASPH (LE902AAR)

Reportage photography and portraiture are the principal applications of this very compact telephoto lens. An aspherical lens surface and optical glasses with anomalous partial dispersion lead to outstanding imaging performance, great sharpness and brilliant contrasts. That also makes it very easy to focus. It has an integrated lens hood that can be locked in place.....**2695.00**



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TELEPHOTO LENSES



180mm f/2 APO Summicron-R (LE1802AR)

Super fast telephoto lens with apochromatic correction produces flawless image quality all the way to the edges of the picture. From infinity to 5'. Even at full aperture, you'll get shots with maximum contrast highest resolution and delicately differentiated color rendition. Practically diffraction-limited imaging performance and outstanding color differentiation already at full aperture, plus perfect contrasts and flare-free rendition of the finest details – this lens, with its shallow depth of field and outstanding image quality, opens many creative possibilities. Internal focusing makes the overall length of the lens remain constant during focusing, and it always feels well balanced in your hand. The optical system includes a protective filter for the front element and a Series 6 filter for the filter drawer, a rotating and lockable tripod mount, integrated lens hood, and eyelets for a carrying strap.....**6395.00**

180mm f/2.8 APO Elmarit-R (LE18028AR)

Perfect hand-held exposures require a lens like this one: peak performance at full aperture, extremely high contrast, and clear rendition of the finest nuances. The overall optical performance of this apochromatically corrected 180mm lens make even the most critical photographers enthusiastic. At full aperture it has outstanding image quality that can hardly be improved by stopping the lens down. Coma, vignetting, astigmatism and curvature of field are practically nonexistent. It is remarkably compact and elegant for a lens with this focal length. It is excellent choice for portraiture, fashion, sports and landscape photography – even when you are working without a tripod. All in all, it is a fast high-performance telephoto lens that satisfies the highest expectations, even under difficult conditions. It has an integrated lens hood.....**3695.00**

280mm f/4 APO Telyt-R (LE2804R)

The 280mm is an apochromatically corrected lens with internal focusing. Distortion-free, it performs extremely well across its entire focusing range with highest resolving power, precise color rendition and optimal contrast reproduction – even at full aperture. Closed down by one stop, using a tripod and mirror pre-release, even the finest details are reproduced clearly. Focuses down to 67", and in combination with the optional Macro Adapter-R it gets you as close as 51". Barely 8¼" long, you can still use it for hand-held photography. Includes tripod mount, integrated lens hood, filter drawer and eyelets for a carrying strap**5195.00**

TELECONVERTERS

APO-Extender-R 1.4x (LE1.4XAR)

This handy lens attachment lets you increase the focal length of a lens by a factor of 1.4 x. The respective closest focusing distance remains unchanged and the aperture is reduced by only one f-stop. Fully automatic iris diaphragm coupling**1495.00**

APO-Extender-R 2x (LE2XAR)

Suitable for Leica R lenses with focal lengths of 50mm and higher and maximum apertures of f/2 or smaller. When used in conjunction with Leica APO lenses, the high imaging performance of the latter remains fully preserved. The APO-Extender-R 2x has a fully automatic diaphragm coupling so that it can be used without restrictions in the aperture priority automatic exposure control mode as well as the manual control mode**1795.00**



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The APO-TELYT-R Module System

The APO-TELYT-R Module System covers the range of focal lengths from 280 to 800 mm, replacing heavy individual lenses with fixed focal lengths, making it particularly attractive for nature- and sports photographers. With a twist of the wrist, six different APO lenses of the very highest optical quality can be created from two lens heads and three extremely compact focusing modules. The result, uncommonly clear pictures with very high contrast and absolute detail- and color fidelity can be achieved where atmospheric disturbances and light haze or fog would otherwise reduce the image quality considerably. Because the smallest mechanical errors and weaknesses in this range can clearly diminish the performance, the Leica Module System is very sturdy and assembled with extremely tight tolerances.

All you need to do, is to join an APO-TELYT-R lens head and an appropriate focusing module to obtain the desired focal length to suit a particular photographic task. Thanks to a special bayonet and the large locking ring, this can be done quickly and easily. The advantage of this intelligent system: you don't have to carry along many large and heavy individual telephoto lenses.

Instead, you simply combine modules as you need them. And you always have telephoto lenses with focal lengths from 280 to 800mm at your disposal. With a twist of the wrist, six different APO-lenses are created from two lens heads and three focus modules – each one with unexcelled optical quality. Last, they feature remarkably short near-focusing distances of 6.6' to 12¼', expanding their creative possibilities significantly.



APO-TELYT-R FOCUS MODULES

With this single focusing mount, the two lens heads can be converted into a: 280mm f/2.8 or a 400mm f/2.8 APO-TELYT-R



Focus Module 1X (LEFM1X)

With this single focusing mount, the two lens heads can be converted into a 400mm f/4 or a 560mm f/4 APO-TELYT-R



Focus Module 1.4X (LEFM1.4X)

With this single focusing mount, the two lens head can be converted into a 560mm f/5.6 or an 800mm f/5.6 APO-TELYT-R



Focus Module 2X (LEFM2X)



LE280HR
280/400/560mm APO-TELYT-R



280mm f/2.8 APO-Telyt-R



400mm f/4 APO-Telyt-R



560mm f/5.6 APO-Telyt-R



LE800HR
400/560/800mm APO-TELYT-R



400mm f/2.8 APO-Telyt-R



560mm f/4 APO-Telyt-R



800mm f/5.6 APO-Telyt-R

Depending on which focus module is attached, the APO-TELYT-R 280/400/560mm lens head becomes a: 280 mm f/2.8 APO-TELYT-R, 400 mm f/4 APO-TELYT-R, or 560mm f/5.6 APO-TELYT-R.

Depending on which focus module is attached, the 400/560/800mm APO-TELYT-R lens head becomes a: 400 mm f/2.8 APO-TELYT-R, 560mm f/4 APO-TELYT-R, or an 800mm f/5.6 APO-TELYT-R.



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R LENSES

WIDE ANGLE and STANDARD ZOOM LENSES

Leica zoom lenses are a perfect combination of versatility and high optical performance. This makes them ideal travel companions for demanding photographers. And a zoom lens is simply indispensable in those fleeting moments when there is no time to change lenses. With a telephoto zoom lens, you are able to select an optimal cropping of your subject from a distance, without having to change your camera position.

21-35mm f/3.5-4

Vario Elmar-R ASPH (LE213535AR)

Compact wide-angle zoom lens employs two aspherical surfaces, one of which is produced by grinding and polishing a concave surface. The image quality corresponds to that of lenses with equivalent fixed focal lengths: very high contrast, the finest details, neutral and saturated colors, very low sensitivity to stray light and uniform performance across nearly the entire image area at all distances. Petal-shaped lens hood can be stored on the lens in reverse position2295.00

28-70mm f/3.5-4.5

Vario Elmar-R (LE287035R)

The strength of this versatile lens is its uniform imaging performance across its entire focusing range. Those who like to take pictures in an unencumbered manner will find this compact and handy lens the ideal travel companion. Thanks to the extended focal length range, you can master everything with flying colors – from landscape and group photographs all the way to staged single portraits. Most photographers will also appreciate the separate control rings for focus and aperture.....Call

28-90mm f/2.8-4.5

ASPH Vario Elmar-R (LE289028R)

Covering the four most common fixed focal lengths with no loss of quality, the 28-90mm f/2.8-4.5 can be used in a variety of situations, from landscape photography, to group photographs to individual portraits. Distortion or vignetting is negligible. Focus, contrast and resolution are excellent, even with the aperture fully open. The use of two aspherical lens surfaces and two lens elements each of highly refractive glass and anomalous partial dispersion results in extraordinary lens performance with a comparatively compact design and low weight. For added convenience, the lens is equipped with a built-in lens hood with petal shaped sections, optimally co-ordinated to the path of the rays. A slip on cover is also included and can be fitted to the lens to prevent dust and sand from getting in. The lens comes in a soft leather case.....3395.00



21-35mm f/3.5-4
Vario Elmar-R ASPH



28-90mm f/2.8-4.5
ASPH Vario Elmar-R



28-70mm f/3.5-4.5
Vario Elmar-R



70-180mm f/2.8
Vario APO Elmarit-R



35-70mm f/4
Vario Elmar-R

35-70mm f/4 Vario Elmar-R (LE35704R)

This lens covers all the classical focal lengths. A handy two-ring zoom lens with normal speed, it offers very good imaging qualities as well as ease of operation. High optical performance is achieved via aspherical lens element and other refinements. Contrast and image reproduction quality are comparable to those of lenses with equivalent fixed focal lengths. Because of its very good gradation of shadow areas and of highlights, it is ideal for subjects with great lighting contrasts. In the macro range you can shoot as close as 10". That corresponds to a reproduction ratio of 1:2.8, permitting format-filling photographs of very small subjects.....1395.00

70-180mm f/2.8

Vario APO Elmarit-R (LE7018028R)

An apochromatically corrected zoom lens with an optical performance that compares with fixed focal length lenses. Even at full aperture, it delivers outstanding definition across its entire focal length range. Coma and astigmatism are practically non-existent. Two separate setting rings for focus and focal length make it especially easy to select the right cropping of your subject. Its application possibilities are virtually unlimited: stationary as well as moving subjects that require quick or careful changes of cropping. This lens has an integrated lens hood, eyelets for a carrying strap, and is equipped with a rotating and locking tripod mount5695.00

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LEICA

R LENSES

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150-280mm f/4.2
Vario Elmar-R

80-200mm f/4
Vario Elmar-R

80-200mm f/4 Vario Elmar-R (LE802004R)

The performance of this rotating zoom lens is quite comparable to that of first-class lenses with fixed focal lengths. It offers very good imaging quality with high resolving power and outstanding contrast rendition over the full image area for the entire focal length range. And it is quite compact and rests comfortably in the palm of one's hand. Its extraordinary near-focusing distance of only 3.7" makes a smallest object field of 3 1/16" x 5 1/2" possible. Its compact dimensions, its light weight and its smooth focusing make this zoom lens an ideal travel companion. In combination with the 21-35mm and the 35-70mm Leica zoom lenses, both of which render nearly identical, uniform image quality, a practically continuous 10:1 focal length is achieved.....**2095.00**

105-280mm f/4.2 Vario Elmar-R (LE10528042R)

A telephoto zoom lens with an especially large range of focal lengths that enables you to make large images of far away details. Its range of focal lengths and its short focusing distance of 67" provide flexibility in the choice of subjects and in the range of applications for medium- and long telephoto distances. Because it can also be used in combination with Leica Extenders, this zoom lens is more than just a single lens, it is an optical system with outstanding imaging quality that has universal applications.

The lens is absolutely comparable to fixed focal length lenses of the highest quality. At every setting, its high-speed optical system delivers high contrast rendition and outstanding resolving power. Like the 70-180mm f/2.8 Vario APO Elmarit-R, it has two separate setting rings for focal length and focus, as well as a rotating an locking tripod mount that is especially useful with the longer focal lengths.....**5695.00**

Lens Designation	Focal Length/Speed in mm	Angle of View	Lens Elements/Groups	Smallest Aperture	Filter Size	Length in mm	Weight in grams
FISHEYE-ELMARIT-R	16 f/2.8	180°	11/8	16	built-in	60	460
ELMARIT-R	19 f/2.8	96°	12/10	22	built-in	60	560
ELMARIT-R	24 f/2.8	84°	9/7	22	Series 8	48.5	400
PC-SUPER-ANGULON-R	28 f/2.8	73/93°	12/10	22	Special filter 67 EW	84	600
ELMARIT-R	28 f/2.8	76°	8/7	22	E55	48	435
SUMMILUX-R	35 f/1.4	64°	10/9	16	E67	76	690
SUMMICRON-R	35 f/2	64°	6/6	16	E55	54	430
SUMMILUX-R	50 f/1.4	45°	8/7	16	E60	51	490
SUMMICRON-R	50 f/2	45°	6/4	16	E55	41	290
MACRO ELMARIT-R	60 f/2.8	39°	6/5	22	E55	62.3 (92.3)	400 (530)
SUMMILUX-R	80 f/1.4	30°	7/5	16	E67	69	700
APO-MACRO ELMARIT-R	100 f/2.8	25°	8/6	22	E60	104.5 (140)	760 (950)
APO-SUMMICRON-R	180 f/2	14°	9/6	16	Series 6	176	2500
APO-ELMARIT-R	180 f/2.8	14°	7/5	22	E67	132	970
APO-TELYT-R	280 f/4	8.8°	7/6	22	E77 Series 5.5	208	1875
APO-TELYT-R-MODULE-System	280 f/2.8	8.8°	8/7	22	Series 6	276	3600
APO-TELYT-R-MODULE-System	400 f/2.8	6.2°	10/8	22	Series 6	344	5900
APO-TELYT-R-MODULE-System	400 f/4	6.2°	9/7	22	Series 6	314	3800
APO-TELYT-R-MODULE-System	560 f/4	4.5°	11/8	22	Series 6	382	6100
APO-TELYT-R-MODULE-System	560 f/5.6	4.5°	9/7	22	Series 6	374	3900
APO-TELYT-R-MODULE-System	800 f/2.8	3.1°	11/8	22	Series 6	442	6200
VARIO-ELMAR-R	28-70 f/3.5-4.5	76-34°	11/8	22	E60	76	450
VARIO-ELMAR-R	35-70 f/4	64-34°	8/7	22	E60	84	400
VARIO-APO-ELMARIT-R	70-180 f/2.8	34-14°	13/10	22	E77	189.5	1870



R9 ACCESSORIES

Right-Angle
Finder



Right-Angle Finder (LEFAR)
For pictures taken from any position – be they pictures taken inconspicuously “around the corner” or pictures taken from a worm’s eye perspective, looking into the finder from above. The viewfinder image can be switched to a 2x magnification..219.95

Telescope
Ocular
LEICA TO-R



Telescope Ocular (LETOLR)
With this ocular, Leica standard, telephoto or zoom lenses can quickly be converted into telescopes with different focal lengths. In combination with a 90mm lens, it produces a magnification of 7.2x; with a 180 mm lens it creates a 14.4x magnification. Focusing is performed with the lens’ focusing mount ...324.95

Motor Winder
R8/R9



Motor Winder R8/R9 (LEWR8)
If you prefer to let your R9 advance the film, cock the shutter and rewind the film... The winder is attached to the base of the camera and it blends harmoniously with its style. Exposure series of up to 2 frames per second are possible. The Motor-Winder functions extremely quietly629.00

Motor Drive
R8/R9



Motor Drive R8/R9 (LEMDR8)
A high-performance drive that forms an extraordinarily well-balanced unit in combination with the R9. Its perfect ergonomics, the integrated wrist strap and the two separate release buttons for vertical and horizontal exposures lend the unit an incomparable handiness in any position. It features the choice of single frame advance or exposure sequences of up to 2 or 4½ frames per second. Automatic exposure series (bracketing) are also possible. Includes a high-power battery pack and a universal battery charger729.00

Macro
Adapter R



Macro-Adapter R (LEMARRC)
This intermediate ring increases the extension of R lenses by 13/16”459.95

Photar Lenses and Adapter for Photar Lenses

Three lenses for use on the BR-2 Focusing Bellows with use of the Photar Lens Adapter. Corrected for magnified images. With their practically continuous magnification range of up to 18x, you can explore the fascinating field of micro-photography.



Photar Lenses and Photar-Adapter-R

12.5mm f/2.4 Photar Lens (LE12.524P)2,095.00
25mm f/2.0 Photar Lens (LE252P)1,995.00
50mm f/4 Photar Lens (LE504P)1,995.00
Adapter for Photar Lenses (LEAPBR)194.95
BR-2 Focusing Bellows (LEBR)908.50

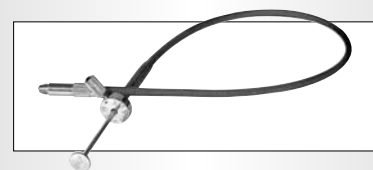
Ever-Ready Cases

Ever-Ready cases are made of elegant supple black leather.



Ever-Ready Case for R9 (LECR8)
Holds an R9 camera body with a lens up to 90mm.....162.95

Ever-Ready Case for R9 (LECR8W)
Holds an R9 body with a lens up to 90mm and a Motor Winder.....179.95



10” Cable Release (LECR10R)
With locking screw19.50

20” Cable Release (LECR20R)
With locking screw28.95

Remote Control R8/R9 (LERCR8)

Enables programmed exposure series as well as remote control of the camera when used with the Motor Winder or the Motor Drive. It allows the intervals between the individual exposures as well as the number of exposures themselves to be determined freely within a wide range. Perfect for taking pictures of subjects that are difficult to approach, or to minimize vibration for close-ups and time exposure.....244.95



KONICA MINOLTA

X-370s

Entry-Level Manual Focus SLR

Minolta's manual-focus X-Series SLRs have long been favorites of photography students, amateurs, and professionals alike. With the aperture-priority X-370s, you set an aperture and the camera sets the shutter speed for proper exposure. The camera has a full-metered manual exposure control for the photographer who wants to do it all. Along with the comprehensive X-Series system of lenses and accessories, the X-370s gives you system sophistication with simple, dependable operation. It's the 35mm single-lens-reflex camera system you've always wanted to own.



FEATURES

Precise, Creative Control

- ◆ A number of performance features that let you take command of every photographic opportunity. Quartz-controlled circuitry provides the consistent and dependable precision needed for outstanding results.
- ◆ Automatic exposure control with automatic exposure lock assures proper exposure under normal and complex lighting conditions. Viewfinder displays confirm operating status and exposure information. Metered manual exposure control provides unlimited creativity in aperture/shutter speed combinations.
- ◆ With a full selection of lenses and accessories, the X-370s is a system one can grow with.

Aperture-Priority Exposure

- ◆ Aperture-priority automatic exposure control provides accurate exposures under a wide range of lighting conditions. Simply set a desired lens aperture, and the camera selects the appropriate shutter speed steplessly from 4 sec. to 1/1000 sec. A shutter speed scale is displayed in the viewfinder.
- ◆ As the user rotates the lens' aperture selector ring, viewfinder LEDs light up next to the corresponding shutter speeds, so the user can also use this method to set exposure based on a desired shutter speed.

TTL Center-Weighted Average Metering

Through-the-lens exposure metering reads the entire image frame with the greatest emphasis on objects in the center. Center-weighted metering is a reliable and time-tested system used by a broad range of photographers. With the various types of metering patterns available in today's electronically sophisticated SLR cameras, center-weighted metering still remains in great demand.

AE Lock

By pressing the AE lock button, the user can lock the exposure reading on the main subject. Once the exposure is locked, the image can be recomposed with the subject anywhere in the viewfinder frame. AE lock is also recommended if the subject is strongly backlit or if the subject is off-center and is much lighter or dimmer than the area at the center of the frame.

Manual Exposure Control

With metered manual exposure control, you have full control of all aperture and shutter speed combinations. You can give the photograph more or less exposure as desired, for exposure bracketing or accurate highlight/shadow reproduction. The viewfinder displays exposure over- and under-range indicators so that ongoing metering may be monitored.

Manual Focusing

- ◆ For photographers who prefer a manual-focus SLR, the X-370s is an ideal choice. The bright viewfinder and acute-matte focusing screen, together with Minolta's X-Series lenses, ensure optimum picture sharpness.
- X-Series lenses are equipped with large, knurled focusing rings which provide a sure grip and just the right amount of resistance for precise, comfortable operation.
- Minolta's split-image, acute-matte focusing screen provides optimum light dispersion for a bright and clear image that is easy to focus even in low light.

Automatic Flash Photography

- ◆ The X-370S provides automatic flash photography when used with any of Minolta's X-Series flash units. When one of these flashes is attached to the X-370s' accessory shoe and the camera's mode selector is in any position other than 'B', the shutter speed is automatically set to 1/60 sec., the flash-sync speed. A viewfinder LED will light up next to "60" on the shutter speed scale and will blink when the flash is fully charged and ready to fire.

Self-Timer

- ◆ The 10-second self-timer allows the user to set up the shot and then appear in the picture. Self-timer operation is cancelable, and countdown is indicated by a flashing LED on the front of the camera body.

X-370s Body (MIX370S): Includes strap and two 1.5v LR44 batteriesIMP. 149.95 / USA 189.95
 CH-5 Case (MICX370N): For X370s with 50mm lens.....44.95
 CH-5L Case (MICLX370N): for X370s with 28-70mm lens.....49.95

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IMP. = Imported & Warrantied by B&H (not qualified for Minolta USA rebates and warranties)



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KONICA MINOLTA

X-370s

Optional Accessories

Auto Winder G (MIAWG):

For motorized single frame advance, or continuous advance at up to 2 frames per second179.95

Wireless Controller IR-1N Set (MIIR1NS):

Lets you remotely control the X-370s from up to 200' away. Has a switch for single or continuous drive.....Call

Magnifier VN (MIMVN):

Ideal for close-up, macro, copying and telephoto work, enlarges the viewfinder image by 2.3x.....44.95

Angle Finder VN (MIFAVN):

Used to look through the finder when the camera is in hard-to-view positions, including chest level or low angles. Can be rotated to view from the top, sides or back for copy photography. Selectable 1x or 2x magnification.....119.95

Auto Electroflash 220X (MI220X):

A compact, bounce-head flash with a guide number of 72 feet at ISO 10059.95

Remote Control Cord S (MIRCCS):

Remote control with 20" cable is the handy tool for shooting subjects that are difficult to approach, or to minimize vibration for close-ups and time exposure.....34.95

Remote Control Cord L (MIRCLL):

This remote control with 16.5' cable is the handy tool for shooting subjects that are difficult to approach, or to minimize vibration for close-ups and time exposure39.95

Cable Release II (MICR2):

Fits any camera that accepts standard mechanical cable release. Approx. 12" ...14.95

Diopeters: These dioptic adjustment lenses provide near and far-sighted users a clear viewfinder image without their glasses.

#1 +0.5 Diopter (MIDP5X) Far sighted ...12.95

#2 +1.0 Diopter (MIDP1X) Far sighted....12.95

#3 +1.5 Diopter (MIDP1.5X) Far sighted.12.95

#4 +2.0 Diopter (MIDP2X) Far sighted....12.95

#5 +3.0 Diopter (MIDP3X) Far sighted....12.95

#6 -1.0 Diopter (MIDM1X) Near sighted .12.95

#7 -2.0 Diopter (MIDM2X) Near sighted .12.95

#8 -3.0 Diopter (MIDM3X) Near sighted.12.95

#9 -4.0 Diopter (MIDM4X) Near sighted .12.95

Full Line of X-Series Lenses

The X-370s accepts Minolta's X-Series lenses including wide angle, normal, telephoto, macro, and zoom. Each lens is crafted with Minolta's own optical glass and subject to numerous quality control inspections at every stage of the manufacturing process.

28mm f/2.8 MD (MI2828)

This very wide angle lens covers almost twice the angle of view of a 50mm standard lens. Rearfocusing system ensures a compact and lightweight design, as well as faster focusing. Circular aperture produces a more natural background. Includes a lens hood. Filter size is 49mm.....IMP. 144.95 / USA 149.95

50mm f/1.7 MD (MI5017)

This lens should be in every photographer's outfit, because it is lightweight, inexpensive, and very sharp. Produces a pleasing normal perspective roughly equivalent to the human eye. Filter size is 49mm.....72.95

50mm f/3.5 Macro MD

(MI5035M)

The 50mm f/3.5 macro is great for situations where one desires intimacy with the subject-such as taking pictures of a stamp, coins, fungus, etc. It is lightweight and works just as well for subjects at infinity as it does for closeup operations. Magnification is 1:1 with the supplied adapter (1:2 without). Also includes LH-2 lens case. Filter size is 55mm.....IMP. 349.95 / USA 369.95

135mm f/2.8 MD (MI13528)

The 135mm lens is historically a favorite with SLR shooters, able to bring in distant scenics in much the same manner as one's eye examines a critical element of the landscape. This telephoto lens is also great at portraiture with a slightly longer perspective. Filter size is 55mm.....IMP. 144.95 / USA 149.95

100mm f/4 Macro MD

(MI1004M)

A high-performance mid-telephoto lens with a maximum magnification of 1:1, the 100mm f/4 Macro is also a well-corrected medium telephoto lens ideal for portrait and close-up assignments. Includes LH-23 lens case. Filter size is 55mm.....IMP. 589.95 / USA 639.95



100mm f/4
Macro MD

50mm f/1.7 MD

28-70mm f/3.5-4.8 MD (MI287035)

A sharp standard zoom, the 28-70mm easily spreads from scenics to portraits. Filter size is 55mm.....IMP. 109.95 / USA 134.95

35-70mm f/3.5-4.8 MD (MI357035)

At almost half the price of the 28-70mm, this lens provides a great value while still covering lots of ground. Filter size is 55mm59.95

70-210mm f/4.5-5.6 MD (MI7021045)

A relatively small telephoto zoom lens, the 70-210mm features the ability to cover from short telephoto or portrait to long telephoto at 210mm. Easy one-touch operation means never having to move your hand on the lens to zoom or focus. Filter size is 49mm.....IMP. 164.95 / USA 169.95

100-300mm f/5.6-6.7 MD (MI10030056)

A super-telephoto zoom lens, the 100-300 f/5.6 is easy to use for action and distant subjects. One-touch operation makes zooming and focusing a simple single step. Filter size is 55mm.....IMP. 209.95 / USA 219.95

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KONICA MINOLTA

MAXXUM 50 DATE

CAMERAS & LENSES

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Powerful and Stylish Entry-Level SLR

An affordable entry-level SLR, the sleek Maxxum 50 DATE features a wide 3-point autofocus system for increased focusing confidence, Predictive Focus Control for moving subjects and Full-Auto Program for no-fuss shooting. Other features include super bright viewfinder and up to 1.7 fps continuous shooting. It has a built-in flash and incorporates Minolta's sophisticated ADI metering allowing use with Minolta's interchangeable compact and lightweight D series lenses. In addition, it uses the same type focusing screen as Minolta's top-of-the-line Maxxum 7 & 9, for exceptionally bright and clear viewfinder images.

Easy to use and comfortable to hold, controls and dials are laid out for clear, intuitive operation. The camera can be controlled with the thumb and index finger while maintaining a firm grip on the body. Additionally, a large LCD data panel on the top of the body and an illuminated viewfinder data panel clearly display camera status. Accepts all Maxxum AF lenses for outstanding photographic potential and image quality.



FEATURES

3-Point Continuous AF

The Maxxum 50 DATE uses a wide autofocus area, three AF sensors, and continuous multi-dimensional autofocus to keep the subject sharp. The AF system continuously tracks subject movement in any direction as long as the shutter-release button is held partway down. For maximum performance, the center AF sensor is a crosshair type that can deliver crisp results regardless of vertical or horizontal subject pattern or contrast.

Spot AF

For creative image compositions, you can switch between the wide AF area and spot AF area to single out a subject, such as a specific person in a group. The center focus sensor is selected using the spot AF button. This feature is especially valuable when photographing children at play.

Predictive Focus Control

AF SLR cameras experience a minute delay when taking pictures because the mirror must be lifted out of the optical path. Especially with telephoto lenses, this slight delay can be significant with fast moving subjects moving toward the camera. To ensure the most precise subject focus, the Maxxum 50 DATE uses Predictive Focus Control, which keeps a clear focus on fast-moving subjects until you're ready to shoot, predicting exactly where a moving subject is going to be at the moment of shutter release and ensuring that the focus is razor sharp.

Multiple Exposure

Multiple exposure function gives you the creative power to combine multiple exposures into one frame, for stunning images.

Dual-Area Metering

The camera's exposure metering system uses two separate metering segments to read the subject and background areas. By reading both areas and biasing the exposure on the subject area, pleasing images are rendered under a wide range of shooting situations.

Exposure Compensation and Bracketing

When shooting in tricky lighting situations such as high-contrast scenes, snowy landscapes, or dark shadows, experienced photographers often use exposure compensation or bracketing to ensure they get the exposure that best renders the scene. With the Maxxum 50 DATE, exposure can be compensated up to ± 3 EV in 0.5 increments. Plus, a three bracket series can be taken in 0.3, 0.5, 0.7, or 1.0 EV increments.

MAXXUM 50 QD PRICING

Maxxum 50 QD Camera Body (MI50D)	89.95
Maxxum 50 QD Camera Kit (MI50D28100K): with 28-100mm f/3.5-5.6 AF-D lens, wide strap and CR-123 battery	164.95
Maxxum 50 QD Camera Kit (MI50D2LK): Same as above plus 70-210mm f/4.5-5.6 II lens	254.95
Maxxum 50 QD Camera Kit (MI50D2LKQ): Same as above except with 75-300mm f/4.5-5.6 AF-D lens	309.90
CS-7 Soft Case (MICS7): Holds a camera and up to a short telephoto lens	42.95
EC-1300 Eyecup (MIEC1300): For Maxxum 50	7.95



EQUIPMENT LEASING AVAILABLE

KONICA MINOLTA

MAXXUM 50 DATE

Built-in Flash

The Maxxum 50 DATE's built-in flash provides coverage for lenses as wide as 28mm. Auto, flash cancel, fill-flash, and red-eye reduction modes give you worry-free flash control at your fingertips. For greater flash output and versatility, Minolta's high-powered Maxxum flashes are available as optional accessories.



ADI Flash Metering

The ADI (Advanced Distance Integration) system delivers accurate flash metering for both internal and external Minolta flashes. When used with Minolta D lenses, the Maxxum 50 DATE's ADI flash metering achieves better, more accurate flash control than conventional flash metering. ADI combines subject distance data with the light intensity measurement from the pre-flash to control the exposure flash output. ADI uses the AF sensor (with the built-in flash), or dual-segment metering of the reflected pre-flash (with external flash units). With non-D lenses, pre-flash TTL metering is used.

Automatic Program Mode

In the fully automatic Program (P) mode, the Maxxum 50 DATE operates just like a point & shoot camera. The camera does all the work, leaving you completely free to concentrate on the subject and scene.

Unlimited Creative Control

The Maxxum 50 DATE can either take over control or hand over control with a full selection of exposure modes:

- In Programmed AE the camera does all the work. It analyzes subject movement and distance, lens focal length, plus subject and background brightness, then sets the optimum combination of aperture and shutter speed automatically.
- In Aperture-priority you select the lens aperture to control the depth-of-field and the camera sets the shutter speed.
- In Shutter-priority you select the shutter speed (from 1/2000 to 30 seconds) and the camera sets the aperture.
- In Manual mode you select both the aperture and shutter speed in any combination.

Subject Program Selection

Not only is the physical layout of the Maxxum 50 DATE designed for ease of use, but the exposure and focus systems can be automatically set to capture sudden moments quickly and effortlessly. Subject Program Selection gives beginner photographers the ability to control the camera according to the subject, without a working knowledge of apertures and shutter speeds. Five modes are available, each ideally suited for a specific type of shot.

- **Portrait** – controls the aperture to produce a shallow depth-of-field to isolate the subject from the background.
- **Landscape** – controls the aperture to produce a deep depth-of-field so that the foreground and background are sharp. Ideal for travel photos.
- **Close-Up** – balances the depth-of-field with the image magnification to produce a sharp image with a defocused background.
- **Sports Action** – the AF system continually adjusts focus to follow the subject, and the AE system maximizes the shutter speed to freeze action.
- **Night Portrait** – the camera balances the flash exposure with the ambient background exposure so that both the subject and scene are accurately reproduced in the image. When the flash is turned off, beautiful pictures of night scenes can be taken.

Conveniences

- ◆ High-contrast silver and black gives the camera a sleek look that highlights its reliability and dependability. The simple control layout and sleek silver finish also give it a sophisticated, elegant appearance.
- ◆ Equipped with the same top-quality spherical acute matte focusing screen as the Maxxum 7 & 9. It provides a bright, crisp, and clear image which is very important when working in low-light conditions or with "slow" lenses. The 0.75x viewfinder magnification enhances viewing comfort.
- ◆ For capturing action select continuous film advance. The film advances at 1.7 frames per second as long as you hold the shutter-release button down. Autofocus adjusts smoothly and precisely with each shot.
- ◆ Imprints the date and time onto the photo, when desired. Data imprinting is very useful for cataloging photographs or keeping records of important events.
- ◆ Loading film is fast and easy. Just insert the film cartridge, position the film leader, and close the camera back. The camera sets the film speed, threads the film, advances to each frame, then rewinds the film when the roll is finished. Additionally, you can activate the power rewind function anytime.
- ◆ The optional RC-3 remote control can release the shutter from up to 16' away. Ideal for self-portraits, group shots, or when taking pictures of dimly-lit scenes with the camera mounted on a tripod.



MAXXUM 50 DATE SPECIFICATIONS

Focus Modes: Auto-AF (mode selected by camera), Single-shot AF, Continuous AF, Spot & Manual

Focus Type: 3-Point TTL phase detection with wide focus area

Sensitivity: EV -1 to EV18 (ISO 100)

TTL Metering Range @ ISO 100 with f/1.4 Lens: EV 4-20

Shutter Speed: 30 to 1/2000 second + Bulb, with flash sync at 1/90 second

Exposure Compensation: Yes

Exposure Bracketing: Yes

ISO Range: 25-3200 (DX), non-DX defaults to ISO 25, 25-1000 with flash

Built-in Flash: GN 39 (28mm coverage)

Film Wind: Single-frame or continuous advance up to 1.7 fps

Focusing Screen: Spherical acute matte

Self Timer: 10-Second delay

Multiple Exposure: Yes

Power: Two CR-2 3v lithium batteries

Dimensions: 5.3 x 3.6 x 2.6" WxHxD

Weight: 13.2 oz.

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KONICA MINOLTA

MAXXUM 70 DATE

CAMERAS & LENSES

80

Sophisticated Design with Performance to Match

Whether new to photography, or a seasoned amateur, the Maxxum 70 DATE has all the features to create beautiful images and a sophisticated ergonomic design to make photography intuitive and effortless. It features a Wide Center-Cross 9-point autofocus sensor for increased focusing confidence and Direct Manual Focus for fine-tuning focusing and continuous advance of up to 3 frames per second. It offers two metering modes including 14-segment honeycomb-pattern metering to ensure beautiful photos under the most difficult lighting condition. It also has a built-in flash, and features Minolta's sophisticated ADI metering, allowing use with Minolta's lightweight D series lenses. Last, the Maxxum 70 DATE offers a bright, clear viewfinder, depth-of-field preview, diopter adjustment, and 12 custom functions that let you customize camera operation.



FEATURES

9-Point AF System

Nine sensors laid out to the "rule of thirds" work in unison, giving you the flexibility to position your main subject anywhere within the wide focus frame. Center crosshair sensor ensures precise focus regardless of vertical or horizontal subject contrast. In continuous AF mode, the 9-point system takes control so you can concentrate completely on the viewfinder image. Plus, you can fine-tune the focus manually during AF shooting.

Predictive Focus Control

Predictive Focus Control keeps a clear focus on fast-moving subjects until you're ready to shoot, predicting exactly where a moving subject is going to be the moment the shutter is released, ensuring razor sharp focus.

Focus Area Illumination

When following moving subjects in the viewfinder you'll know exactly what the camera is focusing on. A local focus area or spot focus area on the viewfinder screen blinks to show that it is being used to focus the moving subject.

Direct Manual Focusing

Offers high performance autofocus plus the creative control of manual focus without having to change focusing modes. With D-Series lenses, Direct Manual Focus (DMF) lets you fine-tune the focus using the lens' focus ring after the focus is locked by the AF system.

14-Segment Metering

Produce accurate exposures, even under back and spot lighting. The system measures light levels from 13 segments in a honeycomb pattern across the viewfinder frame, plus the background area, with emphasis on the segments surrounding the active AF sensor. Also offers spot metering to precisely meter a small portion of the subject or scene. This allows the effect of dramatic lighting to be preserved or accentuated in a photo.

Exposure Compensation

Exposure can be compensated up to ± 3 EV in 0.5 increments. To ensure you get the optimum exposure for tricky high-contrast scenes, a three bracket series can be made in 0.3, 0.5, 0.7, or 1.0 EV increments.

Super-Bright Viewfinder

The Maxxum 70 DATE is equipped with the same high-quality spherical acute matte-focusing screen as the Maxxum 7/9. The viewfinder provides a bright, clear image, which is very important when working in low-light or with slow lenses. Also, the 0.75x Magnification feature allows for comfortable viewing.

Subject Program Selection

Subject Program Selection is a fast, easy function that optimizes the camera for specific situations. Five modes are available, each ideally suited for a specific type of shot.

- Portrait – Produces a shallow depth-of-field to isolate the subject from the background.
- Landscape – Produces a deep depth-of-field so that the foreground and background are sharp. Ideal for travel photos.
- Close-Up – balances the depth-of-field with the image magnification to produce a sharp image of the subject with a defocused background.
- Sports Action – the AF system continually adjusts focus to follow the subject, and the AE system maximizes the shutter speed to freeze action.
- Night Portrait – balances flash exposure with the ambient background exposure so that subject and scene are accurately reproduced. When the flash is turned off, beautiful pictures of night scenes can be taken.

MAXXUM 70 DATE PRICING

Maxxum 70 QD Camera Body (MI70D).....	149.95
Maxxum 70 QD Camera Kit (MI70D28100K): With 28-100mm f/3.5-5.6 AF-D lens	199.95
Maxxum 70 QD Camera Kit (MI70D2LKQ):	Maxxum 70 QD Camera Kit (MI70D2LKQ)
With 28-100mm f/3.5-5.6 AF-D and	With 28-100mm f/3.5-5.6 and 75-300mm
70-210mm f/4.5-5.6 II lenses	f/4.5-5.6 AF-D lenses
294.95	349.95



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KONICA MINOLTA

MAXXUM 70 DATE

Unlimited Creative Power

For beginners and amateurs alike, the Maxxum 70 DATE can either takeover control or hand over control with a full selection of exposure modes.

- In the fully automatic Program (P) mode, the Maxxum 70 DATE operates just like a point & shoot camera. The camera does all the work, leaving you completely free to concentrate on the subject and scene.
- In Programmed AE the camera does all the work—it analyzes subject movement and distance, lens focal length, plus subject and background brightness, then sets the optimum combination of aperture and shutter speed automatically.
- In Aperture-priority you select the aperture and the camera sets the shutter speed.
- In Shutter-priority you select the shutter speed and the camera sets the aperture.
- In Manual mode you select both the aperture and shutter speed in any combination.
- In PA/PS Program Shift modes you can enjoy the creative benefits of aperture- or shutter-priority without having to change exposure modes. While in P mode you can quickly shift the programmed autoexposure setting to a desired aperture or shutter speed without affecting the original exposure value.

High Performance

- ◆ For capturing action as it unfolds, select continuous film advance. The film advances at 3 frames per second as long as you hold the shutter-release button down.
- ◆ A quick press of the Depth-of-Field Preview button lets you evaluate the zone of sharp focus within your image at a given aperture; making it easy to check subject and background focus or see the extent of sharp detail in macro photography.
- ◆ Diopter adjustment lets eyeglass wearers use the Maxxum 70 DATE without wearing glasses, so you'll always see a full and crisp viewfinder image. A click-stop slide switch hidden behind the eyepiece cup adjusts the viewfinder from -2 to +1 diopters.
- ◆ The Maxxum 70 DATE is the only camera in its class to offer 15 custom functions. Now you can custom-tailor the camera to suit your preferences.

Creative Flash Control

Built-In Flash:

With powerful illumination and coverage for lenses as wide as 28mm, the built-in flash puts creative flash control at your fingertips with auto, flash cancel, fill-flash, red-eye reduction and wireless remote flash control modes. For greater output and versatility, optional high-powered Maxxum flashes can be used as well.

ADI Flash Metering:

With Minolta D lenses, ADI flash metering combines subject distance data with light intensity data from the pre-flash to control output. ADI uses the CCD sensor (built-in flash), or 14-segment metering of the reflected pre-flash (external flash) to achieve more accurate metering than conventional TTL flash metering (when used with non-D lenses).

High-Speed Synch (HSS) – 1/2000 sec.

When using Maxxum HS flashes the camera is able to use flash sync shutter speeds up to 1/2000 second. High-Speed Sync allows much more control over a flash exposure, particularly under bright light conditions. When taking portraits outdoors HSS lets you use larger apertures to create a shallow depth-of-field.

Wireless/Remote Flash Control:

Use multiple Maxxum HS program flashes off-camera without cords or connectors. Use the 5600HS(D) and 3600HS(D). The flash control signals are sent from the Maxxum 70 DATE's built-in flash. When using the built-in flash for fill light, the ratio flash function controls the flash units to give a lighting ratio of 2:1.

Conveniences

- ◆ Separate dials are provided for shooting mode and function selection, so changes can be made on the fly. Conveniently located focus mode button is positioned for easy operation with your right thumb, so you can switch between manual and AF modes without taking your eye away from the viewfinder.
- ◆ Built-in quartz-data back imprints date or time on the photo, making it useful for cataloging images and keeping records of important events. Can be turned off if desired.
- ◆ High-quality materials and construction provide a solid feel with sure handling:
 - Aluminum-covered top panel for a sophisticated look; Rubber-covered dials for sure, positive operation.
 - Rubberized, anti-slip grip for stable, comfortable holding; All-metal lens mount for quick, secure lens changes.
- ◆ A large LCD data panel on the top of the body and an illuminated viewfinder data panel clearly display the camera status and exposure information. Audio signals confirm focus and the self-timer countdown; the audio signals can be turned off.
- ◆ To load film, just insert the film cartridge, position the film leader, and close the camera back. The camera sets the film speed, threads the film, advances to each frame, then rewinds the film when the roll is finished. You can activate the rewind function anytime.
- ◆ Film chamber lock prevents the back cover from being inadvertently opened while there is usable film in the camera. The film chamber unlocks automatically when film rewinds.
- ◆ Optional RC-3 remote control can be used to release the camera's shutter from 16' away.

MAXXUM 70 DATE SPECIFICATIONS

Same specs as the Maxxum 50 DATE (page 99) except:

Focus Modes: Auto-AF (mode selected by camera), Single-shot AF, Continuous AF, DMF Automatic AF, Manual

Focus Type: 9-Point TTL phase detection with center dual cross hair sensor

TTL Metering Range @ ISO 100 f/1.4:
EV 1-20 in honeycomb or center-weighted metering; EV 4-20 in spot metering

Shutter Speed: 30 to 1/2000 second + Bulb, 1/90 flash sync; HSS (High Speed Sync) with dedicated Minolta flashes

Built-in Flash: GN 52 (28mm coverage)

Film Wind: Single-frame or continuous advance up to 3 fps

Depth-of-Field Preview: Yes

Diopter Correction: -1 to +2 built-in

KONICA MINOLTA

MAXXUM CAMERA ACCESSORIES

FLASHES

The versatility and flexibility of Minolta's flash systems offer you a multitude of creative options. Experiment with light and shade using the new 2500(D), 3600HS(D) or the 5600HS(D) program flashes. Pre-flash metering assures superbly accurate exposure, and wireless synchronization achieves speeds of up to 1/8000 seconds. (D) indicates the distance encoder system. It makes features such as ADI (Advanced Distance Integration) flash metering with the Maxxum 7 or Maxxum 9 possible.



2500(D) Compact Flash

The newest member of the Maxxum flash family — the progressive 2500(D) is a simple, lightweight flash compatible with the latest DiMAGE series of digital cameras. It features a guide number of 82 in feet (25 in meters) at ISO 100, and provides flash coverage for lenses as wide as 28mm. It also features an ADI (Advanced Distance Integration) flash metering and bounce flash head that can be effortlessly tilted between 0° and 90°. This can be used to create soft, indirect lighting in interiors by reflecting the flash off the ceiling. 2:1 Ratio Flash is possible when linked with a 5600HS(D). AF Illuminator automatically activates in low light and low-contrast situations

MI2500.....109.95

3600HS(D) Compact Flash

New and improved features take the Maxxum Flash 3600HS(D) to another level in lighting photography simplicity. This unit provides the maximum guide number of 118 in feet (36 in meters) at 85mm and ISO 100. It offers high-speed synchronization in all shutter speeds, and it is equipped with a built-in auxiliary light. It boasts improved flash-metering performance that reduces or eliminates the effects of background conditions, all from an ultra-compact body.

- ◆ High-Speed Sync synchronizes with all shutter speeds. This function is greatly helpful when taking a portrait picture with day-light sync.
- ◆ The 3600HS(D) achieves ADI (Advanced Distance Integration) flash metering by combining TTL flash metering and guide number control for the highest level of control accuracy.

MI3600HS.....159.95



5600HS(D) High Powered Compact Program Flash

Enhance your indoor and night photography. The 5600HS (D) offers a maximum guide number of 1833'4" at 85mm and ISO 100, and it aligns to all speeds of the high-speed shutter. This coupled with its compact design, increases its effectiveness and versatility.



- ◆ High-Speed Sync (HSS) synchronizes with all shutter speeds. Very helpful when taking a portrait picture with day-light sync.
- ◆ Innovative bounce flash head conveniently tilts 10° downward, 90° upward, 90° clockwise and 180° counter-clockwise for optimum freedom in composing your images.
- ◆ The flash provides the following custom functions to expand photographic control: Wireless channel setting, Choice of units for distance display, Auto-power off-time setting, Wireless auto-power off-time setting, and Exposure mode settings for manual flash.
- ◆ ADI (Advanced Distance Integration) flash metering calculates a guide number according to the distance from subject, ambient light and pre-flash reflectivity. This provides a flash metering performance that reduces or eliminates the effects of background conditions or your subject's reflectance, for a level of control accuracy never before possible.

MI5600HS.....299.95

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MAXXUM CAMERA ACCESSORIES

FLASHES

Macro Ring Flash 1200 with Macro Flash Controller

A flexible and creative macro flash system combining the Macro Ring Flash 1200 and the Macro Flash Controller. With four flashtubes, the Macro Ring 1200 is ideally suited for macro shooting in medical, scientific and nature photography where shadows need to be eliminated. Each of the four flashtubes can also be set individually to achieve a variety of lighting effects and create natural depth in the image.

MI1200MRFS409.95



Macro Twin Flash 2400 with Macro Flash Controller

A flexible and creative macro flash system combining the Macro Twin Flash 2400 and the Macro Flash Controller. The Macro Twin Flash 2400 provides enormous flexibility in light source positioning. It includes twin flash units that feature adjustable flash heads mounted in front of the lens, and a variety of flash positions which can be achieved when used in combination with the extendable twin flash arms. The Macro Twin Flash 2400 allows photographers to achieve a vast range of creative lighting techniques, making it ideally suited for close-up nature photography and photographing small objects.

The Macro Flash Controller controls the operation of the Macro Twin Flash 2400 as well as the Macro Ring Flash 1200 to offer accurate flash metering. The controller features a 7-step Power Level Function and four custom functions.

MI2400MTFS519.95

FLASHES AT A GLANCE

	2500(D) Compact Flash	3600HS(D) Compact Flash	5600HS(D) Compact Flash	1200/2400 Macro Ring Flash
Program Reset	Yes	Yes	Yes	Yes
Auto Power Zoom	-	Yes	Yes	-
Ratio Flash	No	No	No	-
ADI Flash Metering	Yes	Yes	Yes	-
High Speed Sync	No	Yes	Yes	-
Slow Shutter Sync	Yes	Yes	Yes	Yes
Modeling Flash	-	-	Yes	Yes
Multiple Flash	-	-	Yes	N/A
Manual Flash Control	-	N/A	Yes	-
AF illuminator	No	No	No	N/A
Flash Indicator	Yes	Yes	Yes	Yes

TC-1000 Triple Connector (MITC1000)

A multiple flash mounting accessory to connect up to three flashes to the camera. The 3600HS(D) is connected to the TC-1000 with an OS-1100 off-camera shoe and an extension cable. The 5600HS(D) is connected with an extension cable46.95



Off-Camera Cable (MIOC1100)

Used in combination with the off-camera shoe OS-1100 to use the 3600HS(D) removed from the camera body, or can be used by itself to connect the 5600HS(D) directly to the camera. Since the flash can be positioned at any angle to the subject, special light-dark contrast effects, close-up photography, and precise control of the lighting balance are possible36.95

Off-Camera Shoe (MIOS1100)



To use the Maxxum Flash 5600HS(D) separated from the camera, mount the flash on the off-camera shoe and connect the flash and camera with the off-camera cable OC-1100.....39.95

Cable CD (MICCD)

A cable with plugs on each end that connect one flash to another via 4-pin sync sockets39.95

Bounce Reflector V-Set (MIBR5S)

This compact accessory attaches to the 5600HS and 3600HS flash and provides a desirable bounce surface for a soft, natural effect, even outdoors. Minolta direct TTL autoflash metering controls flash duration for proper exposure.....34.95



External Battery Pack (MIBPEP2)

An ultra-compact and portable external battery pack can be used to power the 5600HS(D). Requires 6 AAA batteries.....129.95

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ULTRA WIDE ANGLE LENSES

AF 16mm f/2.8 Fisheye (MI1628AF)

This fisheye covers a diagonal angle of view of 180° from corner to corner of the picture. It can autofocus landscape, architectural and interior photographs. A special lens hood forms an integral part of the lens barrel. Has a built-in lens hood and four filters.
IMP. 819.95 / USA 859.95

AF 20mm f/2.8 (MI2028AFQ)

This ultra wideangle lens provides great depth-of-field and emphasizes perspective. Rear-focusing system ensures quick, precise focusing and corrects close-focus aberrations. Rubber focus ring provides comfortable manual focusing operation. Includes a lens hood. Filter size is 72mmIMP. 549.95 / USA 569.95

AF 24mm f/2.8 (MI2428AFQ)

Lightweight ultra wide-angle lens provides precise auto focusing while virtually eliminating close-focus aberrations with a rear-focusing floating optical element. The 7-blade aperture provides round, natural-looking highlights with its circular opening. Includes a lens hood. Filter size is 55mmIMP. 349.95 / USA 369.95



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WIDE ANGLE and STANDARD LENSES



AF 28mm f/2.0 (MI282AF)

A sharp, bright wideangle lens, the 28mm f2.0 works exceptionally well in low light. The focusing ring is wide and well dampened and the front of the lens doesn't move during autofocus. Includes a lens hood. Filter size is 55mmIMP. 449.95 / USA 499.95

AF 28mm f/2.8 (MI2828AF)

An economical lightweight lens, this wide-angle features diminutive size and sharp 5-element optical formula that produces outstanding results in all but the darkest of handheld conditions. Has a built-in hood. Filter size is 49mmIMP. 194.95 / USA 204.95

AF 35mm f/1.4 G (MI3514AFQ)

The 35mm f/1.4 features a circular aperture that produces a more round and natural-looking background. Its rear focusing and ground aspheric element ensures superb sharpness and high contrast. This lens accommodates lots of background and conveys atmosphere, making it ideal for wideangle portrait photography. Filter size is 55mmIMP. 1029.95 / USA 1069.95

AF 35mm f/2 (MI352AFQ)

Popular lens with a bright aperture, the 35mm f/2 is ideal for a wide range of situations. Manual focus ring is rubberized and wide with dampening. Includes a lens hood. Filter size is 55mmCall

AF 50mm f/1.7 (MI5017AF)

Standard lens that duplicates the natural angle of the human eye. Outstanding cost performance for a wide range of situations. 49mm filter sizeIMP. 76.95 / USA 79.95

AF 50mm f/1.4 (MI5014AF)

With large aperture this lens offers versatility, wide coverage and unmatched cost performance. Includes a lens hood. Filter size is 55mmIMP. 239.95 / USA 249.95



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MAXXUM AUTOFOCUS LENSES

MACRO LENSES

AF 50mm f/2.8 Macro (D) (MI5028MAFL)

This standard macro lens comes with a double-floating element focusing design, and focuses from infinity to a 1:1 magnification ratio without the aid of attachments. The seven-blade circular aperture produces a softer, more natural-looking background. A focus-hold button and focus-range limiter enhance focusing operations. Also supports Minolta's ADI (Advanced Distance Integration) flash metering by providing precise distance information from the built-in distance encoder. This allows highly accurate flash-metering performance to be achieved. Filter size is 55mm.....IMP. 359.95 / USA 369.95

AF 50mm f/3.5 Macro (MI5035MAF)

Compact and lightweight, this lens features a floating lens element focusing design that virtually eliminates aberrations in close-focus situations. This lens allows you to focus from infinity to a 1:2 magnification ratio. Filter size is 55mm.....Call

AF 100mm f/2.8 Macro (D) (MI10028MDAF)

A high-performance mid-telephoto lens with continuous macro capability as close as 0.35m, and 1:1 magnification, the AF 100mm f/2.8 (D) provides excellent operation for auto and manual focusing. Auto Clutch Mechanism doesn't rotate the focusing ring during AF drive, making the lens easy to hold and balance. Focus-hold button lets you stop the AF drive and release the shutter at the desired position. The button can also be customized to provide different functions when the lens is attached to a camera with custom functions. In manual, the wide focus ring is easy to control, and rotates smoothly. Ideal for shooting flowers or small animals, the lens also delivers fine portrait and landscape results. The "double floating" focusing method corrects aberrations to provide fine images at any distance. In addition, the 9-blade, circular aperture produces a smooth and natural rendition of defocused images, as well as nearly circular shapes of point sources of light such as a reflection of the morning dew. Supports Minolta's ADI flash metering by providing precise distance information from the built-in distance encoder. This allows highly accurate flash-metering to be achieved. Includes a lens hood. Filter size is 55mmIMP. 549.95 / USA 569.95



AF 200mm f/4 Macro APO G (MI2004MAAF)

The AF 200mm f/4 Macro APO G offers continuous macro capability as close as 0.5m and 1:1 magnification. Featuring AD glass and a circular aperture, it ensures excellent performance with color correct images and a natural defocusing effect. Designed for serious photographers wanting closer wildlife pictures, the lens is equipped with a focus-hold button, focus-range limiter, and detachable tripod-mounting collar to give you perfect control in telephoto macro photography. In addition, the lens provides a sure grip by the development of a mechanism which automatically makes the focusing ring inactive in the camera's AF mode, and activates it in MF mode. There is no cumbersome operation to select the focus mode on the lens to match the camera's focus mode, letting you concentrate on the viewfinder images at a critical moment. Includes a lens hood and case. Filter size is 72mm.....IMP. 859.95 / USA 899.95

AF Macro Zoom 3x-1x f/1.7-2.8 (MBX1XM)

This is the world's first macro zoom lens with a magnification ratio capability from 1:1 to 3:1. It provides handy motorized operation and a double-floating element design that eliminates aberrations, even with its 3x f/1.7 settingIMP. 1499.95 / USA 1599.95

CAMERAS & LENSES

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KONICA MINOLTA

MAXXUM AUTOFOCUS LENSES

PORTRAIT LENSES

AF 85mm f/1.4 G (D) (MI8514DAF)

This versatile lens features a wide focusing ring for comfort and better control, a non-rotating focusing ring while in AF, and a focus hold button for easy operation. Ideal for portrait and indoor photography, the 85mm f/1.4 has a circular aperture and floating focusing system to give you beautiful defocused images as well as high-resolution images. Also supports Minolta's ADI (Advanced Distance Integration) flash metering by providing precise distance information from the built-in distance encoder. This allows highly accurate flash-metering performance to be achieved. Includes lens hood and hard case. Filter size is 72mmIMP. 649.95 /USA 669.95



STF 135mm f/2.8 [T45] (MI13528STF)

The STF 135mm f/2.8 [T4.5] is an innovative lens that produces perfectly defocused image areas, as well as superb picture sharpness. Until now, imperfections in defocusing effects, such as a defocused image dissolving into cluttered unsharpness have always been a source of headaches for photographers.

The STF 135mm f/2.8 [T4.5] eliminates these imperfections, and realizes a smooth transition from focused to defocused areas with unsurpassed defocusing effects both in foreground and background.

Lens construction includes an apodization filter to implement a natural shift from focused to defocused areas. As a result, the original outline of the subject remains clear, the image is provided with depth, and the subject is visually outstanding. The lens also minimizes aberrations that deteriorate the quality of defocused image areas. 10-blade circular aperture also contributes to smooth rendition of defocused highlights, such as blurred points of sunlight coming through forage. Includes hood and hard case. Filter size is 72mmIMP. 929.95 /USA 949.95

f/2.8 Soft Focus (MI10028AF)

This unique lens sharply focuses your subject and provides a soft surrounding effect that can be chosen at or between three settings: The "2" setting (top) provides a maximum level softness around the edge of the subject. The "0" setting (bottom) switches off the soft effect, allowing the lens to be used as a normal 100mm with high resolution and contrast throughout the picture. Includes hood and hard case. Filter size is 55mmIMP. 589.95 /USA 619.95

TELEPHOTO LENSES

AF 200mm f/2.8 APO G (MI20028AAF)

The AF 200mm f/2.8 uses AD (anomalous-dispersion) glass elements to provide apochromatic correction. The lens produces images with excellent color balance and sharpness from 4.9' to infinity, while its internal focusing system provides high-speed autofocus. In addition, its large maximum aperture enables shooting in low-light situations. Has a focus-hold button conveniently located on the side of the lens barrel. Lens comes with a protective front filter and lens hood. Filter size is 72mmIMP. 869.95 /USA 889.95

AF 300mm f/2.8 APO G (D) SSM (MI30028DAF)

The perfect synthesis of optical, computer and mechanical engineering, the 300mm f/2.8 APO G (D) SSM features thirteen finely crafted elements, including three AD (anomalous dispersion) lenses to virtually eliminate lens aberrations and curvature of field. The result is sharp images across the entire film area at all apertures as well as a smooth defocused image outside the depth of field. High-quality multi-coatings and internal baffles reduce flare to preserve contrast. Computer controlled functions such as DMF, focus-range limiters, prefocus, and focus hold make it the perfect tool for wildlife and sports. Includes a 360° rotating collar, lens hood, trunk case and 42mm clear filterIMP. 4599.00 /USA 4699.00



KONICA MINOLTA

MAXXUM AUTOFOCUS LENSES

TELEPHOTO & SUPER TELEPHOTO LENSES

AF 300mm f/4 APO G (MI3004AAF)

This compact and lightweight telephoto lens uses two AD (anomalous dispersion) glass elements to provide apochromatic correction for high quality images. Its circular aperture provides a natural-looking background, while its internal focusing system assures you of high-speed autofocus. A focus-hold button and focus-range limiter improve speed shooting performance. Includes lens hood, trunk case and rear and front filters.....IMP. 899.95 /USA 949.95



AF 400mm f/4.5 APO G (MI40045AAF)

The ideal telephoto lens for sports and wildlife subjects. Its two AD (anomalous-dispersion) glass elements correct chromatic aberrations, and its circular aperture gives you a natural looking background. The focus hold button and focusing range ring improve speed-shooting performance. Includes lens hood, trunk case and rear protective filterIMP. 1829.95 /USA 1899.95

AF Reflex 500mm f/8 (MI5008AF)

The AF 500mm f/8 is the world's first autofocus reflex telephoto lens. Thanks to its spacesaving catadioptric design, it is compact and lightweight. A convenient built-in focus-hold button is located at the side of the lens barrel for quick and sure operation. The lens can be used with any Maxxum body in manual-focusing mode (autofocusing and focus indicator do not function). Includes LH-1076 case, Normal & ND4x filters and built-in lens hoodIMP. 549.95 /USA 569.95



AF Reflex 600mm f/4 G APO (MI6004AAF)

This extreme-telephoto lens features high-speed autofocus with its internal focusing system and uses AD (anomalous-dispersion) glass to correct color aberrations. A focus-hold button and focus-range limiter are provided for faster focusing, while a protective filter is built into the lens barrel. The 600mm focal length is ideal for capturing wildlife and sports photography. Includes lens hood, trunk case and 42mm drop-in filters (Y52, ND4x, Normal, O56, R60). Weighs 12 lbs.....IMP. 6995.95 /USA 7499.95

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1.4x and 2x Tele Converters

Two apochromatic teleconverters are designed for use with the APO lenses: AF 1.4x Tele Converter APO (D) and AF 2x Tele Converter APO (D). These accessories increase the power of the lenses while allowing the use of the automatic Maxxum camera and lens systems. The 1.4x teleconverter creates the equivalent of a 98 - 280mm f/4.0 lens, and the 2x converter transforms the AF 70-200mm lens into an amazing 140 - 400mm f/5.6 telephoto zoom, fast enough to handhold with ISO 100 film in broad daylight. And the 1.4x converter creates the equivalent of a 420mm f/4.0 lens, while the 2x converter transforms the 300mm lens into an amazing 600mm f/5.6 super-telephoto.

AF 1.4x Tele Converter APO (D) (MI1.4XAF)IMP. 359.95 /USA 369.95

AF 2x Tele Converter APO (D) (MI2XAAF).....IMP. 369.95 /USA 389.95



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KONICA MINOLTA

MAXXUM AUTOFOCUS LENSES

WIDE ANGLE ZOOM LENSES



AF 17-35mm f/3.5 G (MI173535AF)

This flexible zoom gives you the freedom to compose in the super wideangle range. It is a large-aperture, super-wide angle zoom lens with very high image quality, and is constructed using aspherical elements and AD glass to ensure highly descriptive performance and minimize distortion—even at maximum wide angle at full-open aperture. Designed for people that understand image quality, super-wide angle of view is ideal for capturing the extensiveness of a scene in landscape and architecture/interior photography. Includes lens hood and hard case. Filter size is 77mmIMP. 1479.95 /USA 1499.95

AF 20-35mm f/3.5-4.5 (MI203535AF)

A compact, wide angle zoom lens with high image quality, the 20-35mm is constructed using an aspheric element to ensure a balanced descriptive performance throughout its focal range. Aspheric elements also minimize vignetting, to produce beautiful images at large aperture settings. Like the 17-35mm, it's super-wide angle view is ideal for capturing the extensiveness of a scene in landscape and architecture/interior photography. Includes lens hood and hard case. Filter size is 72mmIMP. 469.95 /USA 479.95

AF 24-50mm f/4 (MI24504AF)

This lens is ideal for scenery or interior situations. Its wide-to-medium coverage allows the user to photograph a variety of subjects from landscape and group shots to snapshots. Its compound -aspheric elements provide a compact design. Includes lens hood. Filter size is 55mmIMP. 249.95 /USA 269.95

AF 24-85mm f/3.5-4.5 (MI248535AF)

The AF 24-85mm f/3.5-4.5 is a high image quality, 3.5x standard zoom lens. Yet, although this is a standard lens, its super-wide 24mm focal length provides possibilities for creative composition. It includes two compound aspheric elements to ensure a high degree of sharpness by overcoming field curvature (reduces aberration that are common at wide focal lengths). The aspheric elements also contribute greatly to the overall compactness of the lens. Internal focusing system enables autofocusing from infinity down to 19.7" Includes lens hood. Filter size is 62mmIMP. 219.95 /USA 229.95

AF 24-105mm f/3.5-4.5 (D) (MI2410535DAF)

An ultra-compact, standard 4.3x wide angle zoom, the AF 24-105mm f/3.5-4.5 (D) offers exceptional range with excellent focusing operation and high-quality images throughout the zooming range. Minolta's Auto Clutch Mechanism which does not rotate the focusing ring during AF drive lets you easily hold the camera in good balance.

In manual focus, the wide, well dampened ring is easy to control and rotates smoothly. Three aspheric surfaces (two elements) reduce the total number of lens elements and shorten the length of the optical system. Optimally arranged, these aspheric lenses reduce spherical aberration, sagittal flare and coma. In addition, the lens features a circular aperture diaphragm for beautiful rendition of defocused image areas. It also supports Minolta's ADI (Advanced Distance Integration) flash metering by providing precise distance information from the built-in distance encoder. This allows highly accurate flash-metering performance to be achieved. It includes a large, petal-type lens hood for optimal light shielding. Filter size is 62mmIMP. 339.95 /USA 369.95



KONICA MINOLTA

MAXXUM AUTOFOCUS LENSES

WIDE ANGLE ZOOM LENSES

AF 28-100mm f/3.5-5.6 (D)



Lightweight and compact, this lens provides a 3.5x zoom range, ideal for landscape, portrait and travel photography, all in one lens. Also supports Minolta's ADI (Advanced Distance Integration) flash metering by providing precise distance information from the built-in distance encoder for highly accurate flash-metering performance. Includes lens hood. Available in black or silver. Filter size is 55mm.

Black (MI2810035DB) or Silver (MI2810035D)IMP. 84.95 /USA 89.95



AF ZOOM (D) LENSES

Although they are designed to provide optimum image quality when used with the digital Maxxum 7D SLR, these lenses offer superior handling characteristics that make them ideal in a diverse range of shooting situations. They provide unparalleled creative control because of their circular apertures. Using a round aperture enhances the defocused areas of an image with smoother, more natural looking tone gradations.

Zoom Super Wide Angle AF 17-35mm f/2.8-4 (D) Autofocus Lens (MI173528AF)

A large-aperture, super-wide angle zoom lens with high image quality. The equivalent focal length with a digital SLR camera is 25.5 - 52.5mm. It is constructed using aspherical elements and AD glass to ensure highly descriptive performance which minimize distortion at the widest angle of view, and produce beautiful images at the largest aperture.....499.95



Zoom Wide Angle-Telephoto AF 28-75mm f/2.8 (D) Autofocus Lens (MI287528AF)

A compact standard zoom-range large-aperture lens, ideal for everyday use. Its compactness makes it look and feel like a standard zoom lens, yet provides the versatility that a fast constant maximum aperture offers. The equivalent focal length with a digital SLR camera is 42 - 112.5mm. This lens is constructed using aspherical elements and AD glass to ensure highly descriptive performance. These optics minimize distortion at the widest angle of view, and they produce beautiful images at the largest aperture409.95



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TELEPHOTO ZOOM LENSES

AF 70-200mm f/2.8 APO G (D) SSM (MI7020028DAF)

This lens employs supersonic-wave motor (SSM) technology for quieter, smoother AF operation, and uses the finest optical glass to provide sharp, color-free images across the entire film area at all apertures. It uses 19 finely crafted elements, including four AD (anomalous dispersion) lenses, to virtually eliminate aberrations and curvature of field. High-quality multi-coatings increase transmittance and reduce flare to preserve contrast. 9-blade circular aperture design keeps the defocused image of point light sources outside the depth of field round between f/2.8 and f/5.6. For convenience, three focus hold buttons let you lock the focus at the press of a button. Two DMF (Direct Manual Focus) modes give exacting control over the AF system. Standard DMF allows the photographer to fine tune the focus after the AF system has locked onto the subject. Full-time DMF gives the photographer access to manual focus control at any time by simply turning the focusing ring. The lens includes a removable tripod collar that rotates 360° so that the camera and lens can be orientated in any position when mounted from above or below. It also includes a lightweight, but durable, petal-type lens hood lined with velvet to reduce flare. The hood also has a covered polarizing-filter window so that a polarizing filter can be rotated without having to remove the hood from the lens. It includes padded lens case. Filter size is 77mm IMP. 1799.95 /USA 1849.95



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TELEPHOTO ZOOM LENSES

AF 70-210mm f/4.5-5.6 II (MI70210452AF)

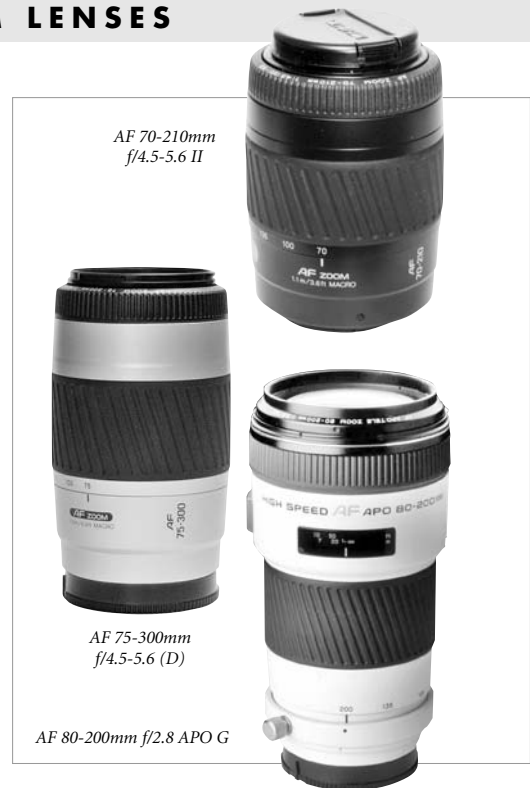
With a 3x zoom ratio, the AF 70-210mm f/4.5-5.6 II is ideal for a portrait, sports, and other telephoto shots. It offers exceptional image quality supported by well-considered optical design. The lens focuses continuously from infinity down to 1.1m, providing the maximum magnification of 0.26X without the need for a macro setting. Furthermore, the widened, knurled zooming and focusing rings offer absolute control and balanced holding. Includes lens hood. Filter size is 49mmIMP. 94.95 /USA 99.95
Also available in silver (MI7021045AFS)IMP. 99.95 /USA 114.95

AF 75-300mm f/4.5-5.6 (D) (MI7530045DAF)

This 4x zoom lens offers very wide coverage from short telephoto to full 300mm telephoto. It provides a continuous telephoto macro capability with autofocus and a maximum 1/4 life-size magnification ratio. Also supports Minolta's ADI (Advanced Distance Integration) flash metering by providing precise distance information from the built-in distance encoder. This allows highly accurate flash-metering performance to be achieved. Includes lens hood. Filter size is 55mm ...IMP. 139.95 /USA 149.95
Also available in black (MI7530045DAB)IMP. 139.95 /USA 149.95

AF 80-200mm f/2.8 APO G (MI8020028AAQ)

This lens uses AD glass to reduce chromatic aberration to a level that places it in the distinguished "apochromat" class, while f/2.8 maximum aperture provides performance comparable to fixed focal length lens. Includes a tripod collar, lens hood and case. Filter size is 72mmCall



AF 70-210mm
f/4.5-5.6 II

AF 75-300mm
f/4.5-5.6 (D)

AF 80-200mm f/2.8 APO G



▲
AF 100-300mm
f/4.5-5.6 (D) APO

AF 100-400mm
f/4.5-6.7 APO ▶

AF 100-300mm f/4.5-5.6 (D) APO (MI10030045DA)

Compact and lightweight, the AF 100-300mm f/4.5-5.6 (D) APO is an easy to carry 3X telephoto zoom that produces high-quality images. Two low-dispersion AD glass elements correct the chromatic aberrations that normally plague telephoto lenses. The lens provides excellent operation for auto and manual focusing. The focus-hold button allows for stopping AF drive and releasing the shutter at the desired position. The button can also be customized to provide different functions such as continuous autofocus or central sensor selection when attached to a camera body with Custom Functions. In manual focus, the wide ring is easy to control, and rotates smoothly. Supports ADI flash metering by providing precise distance information from the built-in distance encoder, thus ensuring accurate flash-metering. Includes lens hood. Filter size is 55mmIMP. 369.95 /USA 389.95

AF 100-400mm f/4.5-6.7 APO (MI10040045AA)

An ultra-telephoto yet light and compact 400mm zoom lens with wide-ranging 4x zoom, the AF 100-400mm features two AD (anomalous-dispersion) glass elements to correct chromatic aberrations, and circular aperture to provide a natural-looking background. The focus-hold button is conveniently located on the lens barrel's side. Includes lens hood. Filter size is 55mmIMP. 599.95 /USA 699.95

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Lenses	Elements/ Groups	Angle of View	Minimum Focus	Minimum Aperture	Filter (dia.)	Dimensions (dia. x length)	Weight
AF Power Zoom 35-80mm f/4-5.6 Macro*	8/8	68°-30°	1.6'	f/22-32	49mm	2 1/8 x 2 1/8"	6 1/8 oz.
AF 16mm f/2.8 Fisheye	11/8	180°	0.7'	f/22	integral	2 1/8 x 2 1/8"	14 1/8 oz.
AF 20mm f/2.8	10/9	94°	0.8'	f/22	72mm	3 1/8 x 2 1/8"	10 oz.
AF 24mm f/2.8	8/8	84°	0.8'	f/22	55mm	2 1/8 x 1 1/8"	7 1/8 oz.
AF 28mm f/2	9/9	75°	1'	f/22	55mm	2 1/8 x 1 1/8"	10 1/8 oz.
AF 28mm f/2.8	5/5	75°	1'	f/22	49mm	2 1/8 x 1 1/8"	6 1/8 oz.
AF 35mm f/1.4 G	10/8	63°	1'	f/22	55mm	2 1/8 x 3"	16 1/8 oz.
AF 35mm f/2	7/6	63°	1'	f/22	55mm	2 1/8 x 1 1/8"	8 1/8 oz.
AF 50mm f/1.4	7/6	47°	1.5'	f/22	55mm	2 1/8 x 1 1/8"	8 1/8 oz.
AF 50mm f/1.7	6/5	47°	1.5'	f/22	49mm	2 1/8 x 1 1/8"	6 oz.
AF 85mm f/1.4 G (D)	7/6	28° 5'	2.8'	f/22	72mm	3 1/8 x 2 1/8"	19 1/8 oz.
AF 200mm f/2.8 APO G	8/7	12° 30'	4.9'	f/32	72mm	3 1/8 x 5 1/8"	27 1/8 oz.
AF 300mm f/2.8 APO G (D) SSM	11/9	8° 10'	8.2'	f/32	integral	5 1/8 x 9 1/8"	87 1/8 oz.
AF 300mm f/4 APO G	9/7	8° 10'	8.2'	f/32	42mm	3 1/8 x 8 1/8"	49 1/8 oz.
AF 400mm f/4.5 APO G	9/7	8° 10'	9.8'	f/32	integral	4 1/8 x 10 1/8"	67 1/8 oz.
AF 600mm f/4 APO G	10/9	4° 10'	20'	f/32	integral	6 1/8 x 17 1/8"	194 oz.
AF Reflex 500mm f/8 (1)	7/5	5°	13'	—	integral	3 1/8 x 4 1/8"	23 1/8 oz.
AF 17-35mm f/2.8-4 (D)	11/14	104°-63°	11.8"		77mm	3.3"x3.5"	15.1 oz.
AF 17-35mm f/3.5 G	15/12	104°-63°	0.98'	f/22	77mm	3 1/8 x 3 1/8"	21 1/8 oz.
AF 20-35mm f/3.5-4.5	13/11	94°-63°	1.6'	f/22-27	72mm	3 1/8 x 2 1/8"	11 1/8 oz.
AF 24-50mm f/4	7/7	84°-47°	1.1'	f/22	55mm	2 1/8 x 2 1/8"	10 1/8 oz.
AF 24-85mm f/3.5-4.5	14/12	84°-29°	1.6'	f/22-27	62mm	2 1/8 x 2 1/8"	14 1/8 oz.
AF 28-75mm f/2.8 (D)	14/16	75°-32°	13"		67mm	2.9"x3.7"	1.1 lb
AF 28-100mm f/3.5-5.6 (D)	8/10	75°-24°	1.6'		55mm	2.6"x3.1"	8.5 oz.
AF 24-105mm f/3.5-4.5 (D)	12/11	84°-23°	1.6'	f/22-27	62mm	2 1/8 x 2 1/8"	13 1/8 oz.
AF 70-200mm f/2.8 APO G (D) SSM	15/19	34°-12°	3.9'		77mm	3.4"x7.7"	3 lb
AF 70-210mm f/4.5-5.6 II	10/10	34°-12°	3.6'	f/22-27	49mm	2 1/8 x 3 1/8"	11 1/8 oz.
AF 70-300mm f/4.5-5.6 II	13/10	32°-8° 10'	4.9'	f/32-38	55mm	2 1/8 x 4 1/8"	17 1/8 oz.
AF 75-300mm f/4.5-5.6 (D)	10/13	32°-8°	4.9'		55mm	2.8"x4.8"	1.01 lb
AF 100-300mm f/4.5-5.6 APO D	11/10	24°-8° 2'	4.9'	f/32-38	55mm	2 1/8 x 4"	17 1/8 oz.
AF 100-400mm f/4.5-6.7 APO D	14/11	24°-6° 10'	6.6'	f/32-45	72mm	2 1/8 x 5 1/8"	29 1/8 oz.
AF 50mm f/2.8	7/6	47°	0.7'	f/32	55mm	2 1/8 x 2 1/8"	11 1/8 oz.
AF 50mm f/3.5	5/5	47°	0.7'	f/32	55mm	2 1/8 x 2 1/8"	7 oz.
AF 100mm f/2.8 Macro (D)	8/8	24°	1.2'	f/32	55mm	2 1/8 x 3 1/8"	18 oz.
STF 135mm f/2.8 [T4.5] (2)	8/6	18°	2.85'	f/2.8(T4.5)-31(T32)	72mm	3 1/8 x 3 1/8"	25 1/8 oz.
AF 100mm f/2.8 SOFT FOCUS	7/7	24°	2.62'	f/32	55mm	2 1/8 x 3 1/8"	15 1/8 oz.
AF 200mm f/4 Macro APO G	13/8	12°-30'	1.64'	f/4-32	72mm	3 1/8 x 7 1/8"	40 1/8 oz.
AF Macro Zoom 3x-1x f/1.7-2.8	7/5	8x12mm (3x) (3) 24x36mm (1x) (3)	Working Distance 1.0" (3x) 1.6" (1x)	f/16 (3x) f/27 (1x)	46mm	(4) 3 1/8 x 4 1/8 x 3 1/8"	38 1/8 oz.
AF 1.4x Tele Converter II APO(5)	5/4	—	—	—	—	2 1/8 x 1 1/8"	6 1/8 oz.
AF 2x Tele Converter II APO(6)	6/5	—	—	—	—	2 1/8 x 1 1/8"	7 1/8 oz.

*The Auto Zoom functions are not possible on AF Power Zoom 35-80mm Lens

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- LS-2400 (MILS2400):** For 85mm f/1.4.....**24.95**



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- LF-1262 62mm Snap-On Lens Cap (MILC62).....9.95**
- LF-1272 72mm Snap-On Lens Cap (MILC72).....9.95**
- Leatherette Front Lens Cap (Cover) for 300mm f/2.8 APO (MILC300AFQ)49.95**

FILTER PRICING

Filter Type	49mm	55mm	62mm	72mm	77mm
A12 Color Conversion			MIA1262 29.95		
B12 Color Conversion			MIB1262 29.95		
80B Color Conversion		M180B55 24.95		M180B72 44.95	
85 Color Conversion	M18549 19.95	M18555 24.95			
Neutral Density		MIND455 23.95	MIND462 29.95	MIND72 43.95	
Skylight 1B	MISL49 19.95	MISL55 22.95	MISL62 39.95	MISL72 44.95	
UV Haze	MIUV49 9.95	MIUV55 22.95	MIUV62 39.95	MIUV72 44.95	
Circular Polarizer	MICP49 44.95		MICP62 74.95	MICP72Q 99.95	MICP77 119.95
Circular Polarizer II		MICP55 49.95	MICP62 74.95	MICP72 99.00	
Green Glass for B&W Film	MIGR49 19.95	MIGR55 19.95	MIGR62 29.95		
Orange Glass for B&W Film	MIO49 19.95	MIO55 19.95	MIO62 29.95	MIO72 44.95	
Red Glass for B&W Film	MIR49 19.95		MIR62 29.95		
Yellow Glass for B&W Film		MIY55 19.95	MIY62 29.95	MIY72 44.95	

- A12 Color Conversion Filter (MIA12200AF):** For 200, 300, 400 and 600mm AF APO Lenses **43.95**
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Close-up Accessories

Copy Stand III (MICS3):

A simple, well-built and straight forward copy unit. It features a solid, geared center column while its baseboard is large enough for copying originals up to approximately 16 x 20". The center column can be reversed for copying on the floor when originals exceed the size of the baseboard. A firm camera mount is marked off in degrees for a certain degree of perspective correction although the mount, itself, is not rotatable. The unit disassembles for easy storage when not in use.....Call

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Registration pins position the film over a diffuser and hold it steady during shooting. Vertical and horizontal adjustments are possible using knobs on either side of the stand199.95



Slide Copy Unit 1000



Copy Stand III

Close-up Lenses



Have you ever wished that your lens could focus closer than it does? Imagine that you could put a magnifying glass in front of your camera's lens. Close-up lenses work in this fashion and are the simplest and least expensive method of close-up photography. They are available in different "powers" (diopters). Minolta close-up lenses are available in strengths of #0, #1 and #2, with #2 having the greatest magnification. A #0 close-up lens will allow you to focus your lens somewhat closer than it already does. A +2 close-up lens will allow you to focus closer than the +1. These lenses can be used individually or in any combination to achieve ultra-close focus. The maximum magnification achieved with these attachments will depend on the focal length of your lens as well as the actual close focusing capability of that particular lens.

49mm #0 Close-up Lens (MICUL049).....29.95

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55mm #1 Close-up Lens (MICUL055)29.95

49mm #2 Close-up Lens (MICUL249).....29.95

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This extended warranty covers an additional three years of parts and labor service from date of purchase. This limited warranty applies to all Minolta Maxxum series cameras. The equipment will be guaranteed to operate properly according to manufacturer's specifications or will be repaired to operate properly at no charge to you. This warranty does not cover equipment which has been misused, tampered with, modified or damaged as a result of accident, water, grit, impact or lack of proper care as indicated in the manual of operations. This limited warranty is non transferable. Note: This warranty can only be purchased within 30 days of original equipment purchase39.95

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NIKON

FM10



35mm Manual SLR Camera

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Ideal for anyone who wants to learn the basics, or simply wants to add an additional camera, the FM10 includes a versatile 35-70mm f/3.5-4.8 Zoom Nikkor lens, Eveready case, strap and batteries. Incorporating the venerable F lens mount, it accepts AF Nikkor and AI-S Nikkor lenses as well as Nikon Speedlights and a range of other accessories.

FEATURES

High Performance

- ◆ Shoot action stopping sharp pictures at up to 1/2000 sec., or achieve creative light patterns at slow speeds like 1 second
- ◆ For very long exposures, Bulb setting lets you capture beautiful night scenes and long time exposures for creative exciting photography. A tripod is required for best results.
- ◆ Shoot double exposures which can be lots of fun. With creative thought and careful preparation, will result in great pictures.
- ◆ Daylight, night-time and indoors—flash photography is easy. With a built-in ISO hot shoe the FM10 accepts virtually every Nikon speedlight ever made for manual or automatic (non-TTL) operation.
- ◆ Nikon's accurate center-weighted light meter guides you towards perfect exposures. With the built-in +/- LED display, creative adjustments are just a turn-of-a-dial away.
- ◆ 10-second self-timer lets you put yourself in the pictures.

Conveniences

- ◆ Make better pictures with the FM10's depth-of-field preview. Simply press a button to see the range of sharpness that will appear in your final photo. Using through-the-lens SLR viewing, and being able to see the range of sharpness is an exciting way for new photographers to visualize depth-of-field
- ◆ Compact, lightweight and comfortable to hold, the FM10 delivers roll after roll.
- ◆ Comes as a package with a 35-70mm f/3.5-4.8 Nikkor Zoom for flexible and creative range for general photography. This popular lens provides coverage for shooting beautiful wide-angle scenics to stunning telephoto portraits.
- ◆ Accepts dozens of AF & AI-S Nikkor lenses all perfectly compatible with the FM10's manual focusing operation. Light and compact, the optional 70-210 offers the most popular telephoto zoom range, perfect for action, candid, sports and portraiture.

FM10 Specifications:

- Lens Mount: Nikon F mount lenses
- Focus Modes: Manual
- Focus Type: Manual
- Exposure Modes: Manual
- Exposure Metering: Center-weighted
- Metering Range: EV 2-19 @ ISO 100 with f/2.0 Lens
- Shutter Speed: 1/2000th to 1 Second + Bulb, with sync at 1/125th second
- ISO Range: 25-5000 (manually set)
- Film Wind: Manual
- Focusing Screen: Fixed split image screen with microprism
- Diopter Correction: Interchangeable
- Self Timer: 10-second delay
- Remote Control: Accepts standard mechanical cable release
- Depth-of-Field Preview: Yes
- Mirror Lock-Up: Yes (using self-timer)
- Multiple Exposure: Yes
- Power Source: Two 1.5-volt LR44 alkaline batteries
- Dimensions: 5.5 x 3.4 x 2.0" WxHxD
- Weight: 0.88 lb

FM10 35mm Manual Focus SLR Camera Kit (NIFM103570):

Includes FM10, Nikon 35-70mm f3.5-4.8 AIS lens, fitted Nikon case, strap and two LR44 1.5v batteriesIMP. 209.95 /USA 219.95

FM10 35mm Manual Focus SLR Camera Kit (NIFM102LK):

Same as above, plus the 70-210mm f/4.5-5.6 AIS lensIMP. 324.90 /USA 359.90

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EQUIPMENT LEASING AVAILABLE

NIKON

FM3A

35mm Manual SLR Camera

Designed for those who honor tradition—the photographic purist or the student first learning this craft. The FM3a (available in silver or black) is a manual-focus 35mm SLR camera featuring a special hybrid shutter control system enabling full mechanical exposure control range plus electronic shutter speed control. Fully mechanical operation with manual focusing puts the photographer in charge of any picture-taking situation. Add a small battery and you gain the advantage of Nikon's performance proven 60/40 TTL Center-Weighted Metering system, and unheard of in a mechanical SLR — aperture priority automatic exposure for the utmost in shooting flexibility. The FM3a also features a durable die-cast metal body; bright viewfinder and interchangeable screens for critical manual focusing; center-weighted TTL full-aperture exposure metering with exposure compensation; up to 1/4000 second shutter speed; and TTL flash control. With the optional MD-12 Motor Drive, you can shoot up to 3.2 frames per second.



FEATURES

- ◆ Hybrid shutter control system enables full mechanical shutter range plus electronic shutter speed range of operation. For mechanical operation, shutter control doesn't need battery power, allowing you to shoot in all types of conditions, including extremely cold weather, without having to worry about battery failure.
- ◆ Using batteries you can take advantage of the camera's built-in exposure meter. The battery power check is displayed for 16 seconds with the meter-on timer. Under battery power the FM3A offers Aperture-Priority Auto Exposure. With Aperture-Priority control, you choose the desired aperture, while the FM3A automatically sets the appropriate shutter speed.
- ◆ 60/40 center-weighted meter easily handles a wide range of lighting. Using it as your guide, you're in full control of the camera's shutter speed and aperture as you monitor each adjustment through the full-information viewfinder. Use match-needle metering with the FM3A's guidance or experiment with intentional over- or under-exposures.
- ◆ Top shutter speed of 1/4000 second allows critical action-stopping photos. Speed can be manually selected from 1/4000 to one second. In Aperture-Priority mode, shutter speed is controlled from 8 to 1/4000 second.
- ◆ Exposure compensation lets you vary exposure ± 2 EV in 1/3 EV Steps.
- ◆ Lock in exposure and recompose the shot as you like with Auto Exposure Lock (AE-L)
- ◆ Fast 1/250 sec. TTL flash sync, with fill-flash capability allows shooting in virtually all ambient light conditions. When used with Nikon TTL Speedlights, the FM3A's TTL sensor monitors both ambient and flash illumination. When the total light accumulated is right for the correct exposure, the flash automatically turns off.
- ◆ For fill effects, the FM3A includes a TTL flash compensation button which reduces flash output for a balanced fill-flash or to avoid overexposure of subjects against a dark background. Slow Sync Fill-Flash is also possible in manual exposure mode.
- ◆ Compatible with DX-coded film (ISO 25 to 5000) and ISO 12 to 6400 (manual)
- ◆ Includes a bright split image rangefinder and matte surface focusing screen (interchangeable) for critical manual focus.
- ◆ Rugged and durable with a die-cast body made of copper silumin aluminum, a metal alloy that significantly reduces the effects of extreme temperature and humidity. While remarkably light, the alloy is rigid and resistant to metal fatigue and corrosion.

FM3A Specifications

- Lens Mount: Nikon F mount lenses
- Focus Modes: Manual
- Exposure Modes: Aperture priority and manual
- Exposure Metering: Centerweighted
- Metering Range: EV -1 to 20 @ ISO 100 with f/1.4 Lens
- Shutter Speed: 1/4000th to 8 Seconds + Bulb, with sync at 1/250th second
- Exposure compensation: ± 2 EV in 1/3 EV increments
- ISO: 25-5000 (DX), 12-6400 (manual)
- Film Wind: Manual
- Focusing Screen: Interchangeable (includes K3 screen with split image & microprism)
- Diopter Correction: Interchangeable comes standard with -1
- Self Timer: 10-Second delay
- Remote Control: Accepts standard mechanical cable release
- PC Terminal: Yes
- Depth-of-Field Preview: Yes
- Mirror Lock-Up: Yes (when self timer is used) Multiple Exposure Yes
- Power: 3-volt DL13/N lithium battery
- Dimensions: 5.6 x 3.5 x 2.3" (WxHxD)
- Weight: 1.26 lb

FM3A Chrome Body (NIFM3AC): Includes eyecup and batteryIMP. 499.95 /USA 579.95
FM3A Black Body (NIFM3AB): Includes eyecup and batteryIMP. 519.95 /USA 599.95

NIKON

ACCESSORIES for FM10 and FM3A

MD-12 Motor Drive (NIMD12)

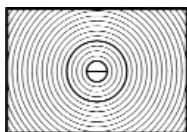
For the FM3a, the MD-12 provides single or up to 3.2 frames per second continuous frame advance. It can use lithium "AA" batteries to extend shooting capacity, decrease weight and improve low temperature performanceIMP. 319.95 /USA 379.95

MF-16 Data Back (NIMF16)

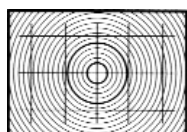
Lets you record the date or time directly upon the image area of the film as a permanent record.....IMP. 179.95 /USA 234.95

Focusing Screens

There are two optional bright matte interchangeable focusing screens available for the FM3A. The B3 Matte/Fresnel is for close-up or long telephoto shooting. The E3 Grid-Line screen is for architecture and landscape, and offers pinpoint-focus, even in dim light.



B3



E3

B3 Focusing Screen (NIFSB3FM3A)34.95

E3 Focusing Screen (NIFSE3FM3A)34.95

FM3A Soft Camera Cases

CF-27 (NICF27): For FM3A with wide-angle or 45mm f/2.8 lens.....**64.95**

CF-27S (NICF27S): For FM3A with standard 50mm lens.....**44.95**

CF-27D (NICF27D): Case base for the FM3A with MF-16 Data Back. Use with the CF-27, CF-28 and CF-28A.....**29.95**

CF-28 (NICF28): For FM3A with wide-angle or short telephoto lens.....**79.95**

CF-28A (CF28A): An addition to the CF-27 or CF-28 cases, the CF-28A is a front flap when using longer zoom lenses**39.95**

CF-29 (NICF29): For FM3A with MD-12 Motor Drive attached**94.95**



CF-28

Optional Eyepiece Accessories for the FM10

#	Description	Price
# 2370	Eyepiece Adapter	3.95
# 2940	0 Diopter - Eyepiece correction lens	12.95
# 2941	+0.5 Diopter - Eyepiece correction lens	12.95
# 2942	+1.0 Diopter - Eyepiece correction lens	12.95
# 2943	+2.0 Diopter - Eyepiece correction lens	12.95
# 2944	+3.0 Diopter - Eyepiece correction lens	12.95
# 2945	-2.0 Diopter - Eyepiece correction lens	12.95
# 2946	-3.0 Diopter - Eyepiece correction lens	12.95
# 2947	-4.0 Diopter - Eyepiece correction lens	12.95
# 2948	-5.0 Diopter - Eyepiece correction lens	12.95

Cable Releases for the FM3A

MC-12B Locking

Electronic Cable Release (NIMC12B)

Designed for use with the FM-3a equipped with the MD-12, the MC-12B allows remote control photography up to 2.6' away. It has a convenient handgrip, trigger release button and trigger lock lever. Depressing the button halfway turns on the camera's exposure meter. Depressing fully releases the shutter. Trigger lock enables time exposures**49.95**

AR-9 Soft Shutter Release (NIAR9)

For mounting on shutter buttons fitted with ISO-type tapered thread**7.50**



AR-3 Cable Release

AR-8 Cable Release

AR-3 Cable Release (NIAR3)

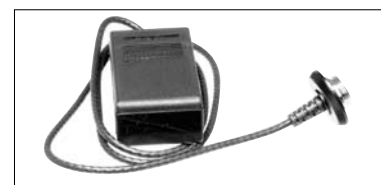
With ISO-type tapered thread for the FM3a, the AR-3 is essential for slow shutter speeds and ensures one-hand shutter release operation**17.50**

AR-8 Cable Release (NIAR8)

Adapts cable release connectors fitted with Nikon-type mount for operation with cameras having ISO-type tapered thread. For use with the AR-2/4 release only and FM3A.....**6.95**

DB-2 Anti-Cold Battery Pack (NIDB2)

Bring the power source outside of FM3A. The DB-2 allows you to keep the batteries in your pocket so you can shoot in extremely low temperatures. Two 1.5v "AA" batteries are required, and lithium batteries can also be used to further increase temperature resistance as well as increase battery life**69.95**



Optional Eyepiece Accessories for the FM3A

#	Description	Price
# 2971	DK-13 Eyepiece Adapter	11.95
# 2925	Finder Eyepiece	16.95
# 2362	DK-3 Rubber Eyecup	11.95
# 2930	Neutral 0 Diopter - Eyepiece correction lens	16.95
# 2931	+0.5 Diopter - Eyepiece correction lens	16.95
# 2932	+1.0 Diopter - Eyepiece correction lens	16.95
# 2933	+2.0 Diopter - Eyepiece correction lens	16.95
# 2934	+3.0 Diopter - Eyepiece correction lens	16.95
# 2935	-2.0 Diopter - Eyepiece correction lens	16.95
# 2936	-3.0 Diopter - Eyepiece correction lens	16.95
# 2937	-4.0 Diopter - Eyepiece correction lens	16.95
# 2938	-5.0 Diopter - Eyepiece correction lens	16.95



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MANUAL FOCUS LENSES

20mm f/2.8 AIS Super Wide Angle Lens (NI2028)

This ultra wide angle autofocus lens allows for pinpoint focusing even in dim light. 94° Picture coverage with edge-to-edge sharpness. Tremendous depth of field enables quick shooting. Close-Range Correction for distortion-free pictures as close as 10". No light fall-off even when wide open. Accepts 62mm filters; HB-4 lens hood..... IMP. 499.95

24mm f/2 AIS Wide Angle Lens (NI242)

Wide 84° picture angle, extra depth of field, and a large f/2 maximum aperture make this lens ideal for many applications, but especially those that involve shooting with available light. Shoot landscapes, candid, sports or interiors. Weighs only 10.6 oz. Superb picture quality, even as close as 12", thanks to Nikon's Close-Range Correction System. Accepts 52mm filters; HK-2 lens hood IMP. 589.95 /USA 799.95



24mm f/2 AIS Wide Angle Lens (NI2428)

Compact and lightweight, this lens offers fast and precise focusing while eliminating close-focus aberrations with a rear-focusing floating optical element. Accepts 52mm filters; HN-1 lens hood..... IMP. 359.95

28mm f/2 AIS Wide Angle Lens (NI282)

Considered the standard wide angle lens, the 28mm f/2 gives you a picture angle of 74°, and a fast f/2 maximum aperture for easy focusing even in dim light. Ideal for candid, cityscapes and travel photography. Sharp images at all apertures. Close-range correction system for edge-to-edge sharpness at minimum focusing distance of 11". Weighs 12.7 ounces. Accepts 52mm filters; HN-1 lens hood.....IMP. 589.95 /USA 699.95

28mm f/2.8 AIS Wide Angle Lens (NI2828)

A classic wide angle lens with compact size, sharpness throughout the image and Nikon's revered manual focus dampening. Accepts 52mm filters; HN-2 lens hood IMP. 339.95

28mm f/3.5PC AIS Wide Angle Lens (NI2835PC)

This lens features Nikon "Perspective Control" technology, which is indispensable for architectural and interior photography. It offers the versatility of a view camera in a relatively compact size. 11mm off-axis shift and 360° rotation capability. 74° picture coverage. It includes a hard case, accepts 72mm filters and HN-9 lens hoodIMP. 899.95 /USA 1259.95

35mm f/1.4 AIS Wide Angle Lens (NI3514)

One of the fastest Nikkor wide angle lenses, the 35mm f/1.4 provides easy pinpoint focusing, even indoors in dim light. It offers 62° of picture coverage and extra depth-of-field for spur-of-the-moment "grab shots". A close-range correction system allows sharp pictures down to 12". It accepts 52mm filters; HN-3 lens hoodIMP. 579.95 /USA 899.95

35mm f/2 AIS Wide Angle Lens (NI352)

Nikon's AIS manual focus lenses feature wide, well-ribbed rubberized focusing rings with excellent dampening properties. They focus quickly and accurately and are all notably sharp. The 35mm f/2.0 is no exception and with its large maximum aperture of f/2.0 allows handheld photography in low light. It accepts 52mm filters; and the HN-3 lens hood..... IMP. 359.95

45mm f/2.8P AIS Compact Standard Lens

A special edition compact standard lens in a silver metallic or black finish, the 45mm f/2.8P has a simple, sharp optical formula and is very easy to focus. It features a built-in CPU for information exchange (P-type Nikkor) making it compatible with all exposure modes of CPU-controlled Nikon SLRs (P-type Nikkor) as well as the FM3A and FM10. It includes the HN-35 lens hood, a soft lens pouch and a 52mm NC filter.

45mm f/2.8P AIS Compact Standard Lens (NI4528P): SilverIMP. 289.95 /USA 329.95
45mm f/2.8P AIS Compact Standard Lens (NI4528PB): BlackIMP. 299.95 /USA 349.95



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50mm f/1.2 AIS Standard Lens (NI5012)

The fastest lens available in the Nikon lineup, the 50/1.2 is only available in manual-focus AIS. Reveals new possibilities in low-light photography. Accepts 52mm filters; HS-12 lens hood.....**IMP. 429.95 /USA 549.95**

50mm f/1.4 AIS Standard Lens (NI5014)

Offering versatility, wide coverage and unmatched cost performance, the 50mm f/1.4 AIS is a fast, small standard lens known for outstanding optics and the satisfying focus dampening of the Nikon AIS line of manual focus optics. Accepts 52mm filters; HR-1 lens hood.....**299.95**

50mm f/1.8 AIS Standard Lens (NI5018)

Standard lenses closely duplicate the natural angle of the human eye. Very small, light and easy to focus, the 50mm f/1.8 offers outstanding cost performance for a wide range of situations. Accepts 52mm filters; HR-2 lens hood.....**119.95**

55mm f/2.8 AIS Macro Lens (NI5528M)

The 55mm Micro-Nikkor is capable for both close-ups as well as normal perspective photos at infinity focus. It has a minimum focus of 10.8" and offers 1:2 life-size reproduction ratio (1:1 with optional PK-13 Extension Tube). Accepts 52mm filters; HN-3 lens hood.....**IMP. 289.95 /USA 399.95**

85mm f/1.4 AIS Portrait/Telephoto Lens (NI8514)

The fastest telephoto in the Nikkor line, the 85mm f/1.4 offers beautiful selective focus at maximum aperture making it ideal for people pictures. Employs Nikon's Close-Range Correction System, ensuring high resolution down to a close focusing distance of 36". Accepts 72mm filters. Includes HN-20 lens hood.....**IMP. 699.95 /USA 969.95**

105mm f/2.5 AIS Short Telephoto Lens (NI10525)

Considered the classic portrait lens with picture coverage of 23°. Relatively large maximum aperture is convenient for pinpoint focusing and shooting in available light. Focuses down to 42". 52mm filter size. Built-in lens hood.....**IMP. 339.95 /USA 409.95**

135mm f/2.8 AIS Telephoto Lens (NI13528)

An excellent choice for action photography and available light shooting, the 135mm f/2.8 is very compact and light for a lens of this focal length. Stops down to f/32. Accepts 52mm filters. Has a built-in lens hood.....**IMP. 319.95 /USA 409.95**

180mm f/2.8ED AIS Telephoto Lens (NI18028ED)

With extra low dispersion glass and Nikon's revered manual focus dampening, this 180mm lens is great for concert venues, sporting events and other telephoto lens requirements. Accepts 72mm filters. Has a built-in lens hood**749.95**

500mm f/8 AIS Reflex Mirror Lens (NI5008)

An essential tool for every sports and wildlife photographer. Narrow 50° provides 10X magnification of the subject. Catadioptric (mirror) design eliminates chromatic aberration for outstanding picture quality. Focuses down to 5', and includes a CL-39 hard case, HN-27 lens hood, and five 39mm rear drop-in filters (L37C, O56, A2, B2 and NDx4).....**IMP. 769.95 /USA 869.95**

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MANUAL FOCUS LENSES

1000mm f/11 AIS

Reflex Mirror Lens (NI100011)

Ideal for photographing shy or dangerous animals. Powerful frame-filling 20X magnification. Outstanding picture quality. Very compact and light for its long focal length. Catadioptric (mirror) design eliminates chromatic aberration for outstanding picture quality. Includes CL-29 hard case, tripod collar, built-in hood, and five 39mm drop-in filters (L37C, O56, A2, B2 and NDx4).....IMP. 1699.95 /USA 1999.95

55mm f/2.8 AIS

Macro Lens (NI5528M)

The 55mm Micro-Nikkor lens feature wide, well-ribbed rubberized focusing rings with excellent dampening properties. It is capable for both closeups as well as normal perspective photos at infinity focus. It has a minimum focus of 10.8" and offers 1:2 life-size reproduction ratio (1:1 with optional PK-13 Extension Tube). Accepts 52mm filters; HN-3 lens hood.....IMP. 289.95 /USA 399.95



85mm f/2.8D PC

AIS Micro Lens (NI8528M)

This lens opens up incredible macro photography realms. Greatly expanded depth of field is possible with the tilt function. Control of light direction and perspective is possible with the shift function. Like having a view camera exist in a 35mm package capable of macro magnification. Anyone shooting small objects in a still-life studio situation needs this lens. IAccepts 77mm filters; HB-22 lens hood. Includes hard case.....IMP. 1199.95 /USA 1319.95

200mm f/4.0 AIS

Micro IF Lens (NI2004M)

Internal focus keeps the length constant, which is ideal in macrophotography. The manual focus dampening that Nikon is known for is evident in this lens. True focal length of 200mm even at macro focusing distances gives extra working distance from the subject for more lighting options. Has a minimum focusing distance of 2.3' and provides 1:2 life-size magnification. Includes a tripod collar and has a built-in lens hood. Accepts 52mm filters.....IMP. 629.95 /USA 849.95

CAMERAS & LENSES

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MANUAL FOCUS ZOOM LENSES

28-85mm f/3.5-4.5 AIS Standard Zoom Lens (NI288535)

Compact and lightweight, this high performance zoom lens captures 28mm wide angle images and provides close focusing throughout the focusing range. Ideal for landscapes, full length portraits, travel and general purpose photography. Accepts 62mm filters; HK-16 lens hood..... 489.95

35-70mm f/3.5-4.5 AIS Standard Zoom Lens (NI357033)

Excellent for general photography, the 35-70mm f/3.5-4.5 is a high-performance, standard zoom lens. Distortion is controlled throughout the range. Push-pull type zoom is ideal for zoom effects during shooting. Accepts 52mm filters; HN-2 lens hood269.95

35-200mm f/3.5-4.5 AIS

High Performance Zoom Lens (NI3520035)

A versatile wide angle-to-telephoto lens. Focus and compose quickly with one-touch focus zoom ring. Great for candid, full-length, and head-and-shoulder portraits. Focuses to 12". Accepts 62mm filters; HK-15 lens hoodIMP. 849.95 /USA 999.95

70-210mm f/4.5-5.6 AIS Telephoto Zoom Lens (NI7021045)

With excellent manual focus dampening, this is a competent travel lens for portraiture and snapshots. Accepts 52mm filters; HR-1 lens hood.....IMP. 114.95 /USA 139.95



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NIKON

N55

CAMERAS & LENSES

100

35mm Autofocus SLR Camera

Developed with the amateur photographers and first-time SLR users in mind, the N55 combines simple design and functionality with Nikon's proven features and exclusive technologies for superior SLR image quality and performance. Easy-to-operate, the N55 incorporates a host of intelligent features including a razor-sharp autofocus system, a wide range of exposure modes, advanced light metering systems with 3D matrix metering, and the added convenience of an automatic built-in speedlight. For the more adventurous user, the N55 also includes exposure control functions like auto exposure bracketing, exposure compensation and multiple exposure, giving budding photographers all the tools they need to fully discover their creative potential.

The N55's design enables users to effortlessly produce sophisticated photographic effects. The AUTO mode gives users point-and-shoot simplicity while producing SLR quality images. The camera features Vari-Program modes that fine-tune the camera's performance for specific scenes and subjects, and a large LCD panel with easy-to-read characters simplifies mode selection and monitoring. The built-in speedlight pops up automatically when shooting in low light conditions or photographing backlit subjects, ensuring a consistent and accurate exposure.



FEATURES

3-Area Autofocus System

3-Area Autofocus system provides versatile control of focusing in various situations. The camera automatically detects whether a subject is stationary or moving, and activates Focus Tracking with Nikon's advanced Lock-On technology to keep a fast-moving subject in continuous focus.

3D Matrix Metering

Nikon's sophisticated 3D Matrix metering system ensures accurate exposures under diverse situations. To accurately determine the ideal exposure, the N55 uses three types of data — scene brightness, scene contrast and subject distance. After analyzing this data, the camera chooses the precise combination of shutter speed and aperture to achieve a balanced exposure. Also offers 5-Segment Matrix Metering and Center Partial Metering for greater manual control in specific situations.

Photos Made Easy

- ◆ Five Vari-Program modes are tailored to specific scenes and subjects; such as portrait, landscape, close-up, sports continuous, and night portrait.
- ◆ Selection of exposure modes including Auto-Multi Program, Shutter-and Aperture-priority Auto, and manual deliver precise exposure control to expand potential
- ◆ Exposure Compensation (± 2 EV in 1/2 EV steps) and Auto Exposure Bracketing (3 frames in 1/2 EV steps) are extremely helpful when shooting under complicated lighting situations, or when experimenting with different exposure settings.
- ◆ F-Lens mount makes it compatible with over 40 superior AF Nikkor lenses. Accepts AF Nikkor and Ai-P Nikkor lenses (except AF Nikkor for F3AF and IX-Nikkor).

Flash System

- ◆ Flash system includes Matrix Balanced Fill-Flash to fill-in or eliminate shadows in bright-light situations and automatically balance foreground and background illuminations for stunning results.
- ◆ Built-in speedlight with 28mm wide angle coverage works seamlessly with the camera's exposure control and metering system. The speedlight pops up automatically in low light and is especially useful when shooting backlit subjects. Features include Slow Sync, Red-Eye Reduction, and Red-Eye Reduction with Slow Sync.

Conveniences

- ◆ Large easy-to-read LCD panel displays all settings including f-stop, shutter speed and flash mode.
- ◆ Built-in diopter adjustment (-1.5 to +0.8), multiple exposure control and AF Assist Illuminator for low light shooting.
- ◆ Nikon's smallest and lightest 35mm SLR provides superior performance in a classic design. It's comfortable, contoured design fits easily in your hands with buttons and dials conveniently placed to facilitate use.

N55 Camera Kit (NIN552880K):

With Nikon 28-80mm f/3.3-5.6 G-AF Lens. Kit includes a strap, front and rear lens caps, an eyecup, a hot-shoe cover and two CR2 3v lithium batteries**199.95**



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NIKON

N75

35mm Autofocus SLR Camera

Designed for budding photographers who enjoy taking great pictures and want to advance their creative potential, the N75 offers an ideal combination of automation, usability and personal control to create photographs of breathtaking clarity and color. Integrating sophisticated technology with Nikon's intuitive design and proven features, the N75 empower photographers to create pictures with stunning color and exceptional sharpness, while offering them a choice of simplicity and ease-of-use, or full personal control.

Intelligent features including an easy-to-access 3-Mode Focus Area Selector switch, 25-segment Matrix metering system, 12 custom functions, 3D Multi-Sensor Balanced Fill-Flash and three cleverly engineered Dynamic Autofocus modes that ensure crisp, sharp pictures. At the same time, its simplified features such as the Vari-Program scene modes enable users to take brilliant pictures in everyday situations without any complexity.



CAMERAS & LENSES

101

— Step-up Features from the N55 —

3-Mode Dynamic AF System

- ◆ The camera allows easy framing by placing the 3-mode Focus Area Selector switch conveniently next to the right-hand thumb so that even while taking pictures, photographers can adjust focus area selection.
- In “Closest Subject Priority” mode, N75 automatically focuses on the subject closest to the camera. This is ideal for scenes where the subject is far from the background and you want to be certain that the “closest subject” will be in sharp focus, avoiding accidental focusing on the background.
- Similarly, in “Center Subject Priority” mode, the N75 sets focus for the subject in the center of the frame, ignoring objects or people that might be in the periphery and not the main subject of the picture.
- You can also choose to manually control the focus area selection, giving you all the latitude needed to creatively frame a shot.
- ◆ Innovative AF system features five separate AF detection sensors that cover the top, bottom, center, left, and right of the frame for fluid and accurate composition and coverage. In-focus confirmation beep notifies you when subject is in focus.

25-Segment 3D Matrix Metering

- ◆ In addition to measuring the brightness and contrast of a particular scene, Nikon's exclusive 25-segment 3D Matrix meter also analyzes complex exposure and lighting conditions, comparing it with an on-board database of picture-taking information that is built on 30,000 actual scenes stored in the camera. The result is an incredibly versatile and accurate exposure control system.

Flash System

- ◆ Built-in speedlight (with 28mm wide angle coverage) with 3D Multi-Sensor Balanced Fill-Flash automatically pops up to fire in low-light or backlit conditions in AUTO and Vari-Program modes.
- ◆ The N75's advanced 3D Multi-Sensor Balanced fill-flash capability provides just the right amount of light to brighten shadows, add highlights, and make a shot look natural and beautifully enhanced.

Conveniences

- ◆ Comfortable (13.5 oz.), contoured design fits easily in your hands with buttons and dials conveniently placed to facilitate use.
- ◆ Self-Timer, remote control capability and 12 custom settings
- ◆ Battery/Film indicators in the viewfinder show battery power and film status.

N75 Camera Body (Silver and Black) (NIN75):
Includes a slip-on body cap, DK-5 Eyepiece shield,
DK-10 Eyecup and a 1-year warranty179.95

N75 QD Camera Body (Black) (NIN75D):
Includes a slip-on body cap, DK-5 Eyepiece shield,
DK-10 Eyecup and a 1-year warranty199.95



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N55/N75 ACCESSORIES

MB-18 AA Battery Pack for N75 (NIMB18):
The MB-18 converts the N75 to the more available "AA" battery power, and in addition to standard alkaline batteries, lithium batteries can also be used to extend battery life, lower weight and improve low temperature performance**44.95**

MS-18 Replacement Battery Holder (NIMS18):
For the MB-18.....**9.95**

CF-62 Semi Soft Case (NICF62):
For N55 with 28-80mm lens.....**39.95**

CF-63 Semi Soft Case (NICF63):
For N75 with 28-80mm Lens.....**39.95**

Accessory Kit for N55 and N75 (NIAKSLR): Includes two CR-2 Batteries, NS-1 strap, 2-year extended warranty, roll of film..... **24.95**

Nikon 2-Year Extended Warranty for N55/N75 (NIEWN80): Provides additional two years of parts and labor service from date of purchase..... **24.95**



Optional Eyepiece Accessories for the N55/N75

Eyepiece Adapter (NIEPAN6006) 3.95	+3.0 Diopter (NIDP3N80) 12.95
0 Diopter (NID0N80) 12.95	-2.0 Diopter (NIDM2N80) 12.95
+0.5 Diopter (NIDP.5N80) 12.95	-3.0 Diopter (NIDM3N80) 12.95
+1.0 Diopter (NIDP1N80) 12.95	-4.0 Diopter (NIDM4N80) 12.95
+2.0 Diopter (NIDP2N80) 12.95	-5.0 Diopter (NIDM5N80) 12.95

N55 Specifications

- Type of camera: Integral motor autofocus 35mm SLR with electronically controlled focal-plane shutter and built-in Speedlight
- Exposure Modes: AUTO mode, Vari-Program - Portrait, Landscape, Close-Up, Sports Continuous and Night Portrait modes, Auto-Multi Program and Flexible Program (P), Shutter-Priority (S), Aperture-Priority (A) and Manual (M) Modes
- Focusing Screen: B-Type Clear Matte V with focus brackets
- Lens Servo: In Auto Servo AF automatically chooses Single Servo AF or Continuous Servo AF operation according to subject status, i.e. stationary or moving (including directional information)
- Focus Area: One of three focus areas can be selected
- TTL full-aperture exposure metering systems:
 - 3-D five-segment evaluative with G & D AF Nikkor lenses
 - 5-segment matrix metering with AF Nikkor except G or D-type lenses
 - Center-weighted metering in manual exposure mode
- Exposure Compensation: ± 2 EV range, in 1/2 EV steps
- Auto Exposure Bracketing: ± 2 EV in 1/2 stop increments
- Multiple Exposure: Selectable in P,S,A,M
- Shutter Speeds: 30 to 1/2000 sec
- Built-in Speedlight: - Automatically activated (AUTO and Vari-Program modes), or by pressing flash-lock release button. GN is 12/39 (at ISO 100 ft), 28mm flash coverage, ISO 25-800 film speed range
- Flash Control:
 - Matrix Balanced Fill-Flash: built-in Speedlight or optional Speedlight
 - Standard TTL: in Manual exposure mode
 - Programmed Flash (Non-TTL Auto Flash) with optional Speedlight and CPU Nikkor lens (except in A or M exposure modes)
- Flash Sync Mode: Front-Curtain Sync (normal sync), Slow Sync, Red-Eye Reduction, Red-Eye Reduction with Slow Sync, Flash Cancel
- Film Speed Setting: Automatically set to ISO film speed of DX coded film in use (ISO 25-5000), in manual not selectable. Automatically set to ISO 100 with non-DX coded film.
- Accessory Shoe: standard ISO-type hot shoe contact with safety lock
- Self Timer: Electronically controlled; timer duration 10 seconds
- Film Advance: - Automatic advance with built-in motor up to 1.5 fps
- Film Rewind: - Automatic rewind in 20 seconds with 36 exposure film
- Power Source: Two 3v CR2 lithium batteries
- Measures 5.1 x 3.6 x 2.7", weighs 12.7 oz.

N75 Specifications (same as N55 except):

- Focus Area: One of five focus areas can be selected
- Battery/no film remaining frame visible through the viewfinder
- Three TTL full-aperture exposure metering systems:
 - 3-D 25-segment matrix metering: with G or D-type AF Nikkor lenses
 - Spot metering selectable in auto-exposure lock
 - Center-weighted metering in manual exposure mode
- Exposure Compensation: ± 3 EV range, in 1/2 EV steps
- Flash Control:
 - 5-segment TTL 3D Multi-Sensor Balanced Fill-Flash
 - Standard TTL: in Manual exposure mode
 - Multi-sensor balanced fill-flash compatible with optional Speedlights and CPU Nikkor lens
- Measures 5.2 x 3.6 x 2.7", weighs 13.6 oz.

NIKON

N80

35mm SLR Autofocus Camera

For photographers, nothing matches the excitement of creating a great picture—one that combines your imagination with the moment to render an entirely new image. With the N80 in your hands, you can translate your passion into photographs that you'll be proud to call your own. The N80 is an outstanding single lens reflex camera that makes it possible for you to realize your creative photographic potential. In short, the N80 is an SLR that inspires confidence. Designed to build on the benefits of decades of field-proven Nikon expertise, the N80 offers the features you want—including fast, razor-sharp autofocus, a selection of exposure control modes, and a superb built-in Speedlight.

All of which gives you complete control over photography that you demand. Take advantage of the camera's advanced exposure and flash system, as you explore the complexities of light and shade. Use Nikon's unparalleled 5-Area AF system for optimum flexibility and control. Choose from a vast Nikon system of lenses and accessories. The possibilities are endless.



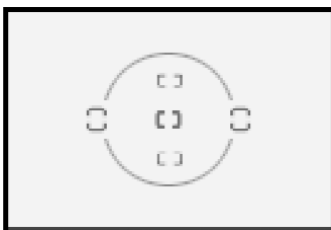
CAMERAS & LENSES

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FEATURES

5-Area AF System

- ◆ The N80 features five AF sensors, including a cross-type sensor, positioned in the center, and four additional line sensors positioned left, right, top and bottom of the viewfinder frame.
- ◆ This array of AF sensors covers a wide area in both the horizontal and the vertical ranges. And thanks to the placement of top and bottom sensors, the camera offers a cross-array of AF sensing even when you shoot vertical compositions.



- ◆ Easy system to use, you simply press the focus area selector in the direction you want to move the AF sensor, and that area will then be superimposed in the viewfinder. Since the system lets you select the primary AF sensor before the camera is even at eye level, you can effectively anticipate the action and be ready as you bring the N80 to eye level.

Three AF Area Modes

- ◆ Dynamic AF mode ensures accurate focusing, even if your subject moves from its original position after you've selected a focus area. In this mode, the focus area will automatically shift from your selected focus area to the one in which the subject has moved. This makes it ideal for shooting action photos and others with unpredictable moving subjects.
- ◆ In Closest-subject-priority Dynamic AF mode, the camera automatically selects the focus area with the closest subject, so you can concentrate on shutter timing and shoot at will. This mode is ideal for candid photography.
- ◆ Single Area AF mode lets you choose a specific section of the frame (one of the five focus areas) and designate it as the primary area for focusing. This mode is ideal for shooting portraits, landscapes and other stationary subjects.

Focus Tracking with Lock-On

Thanks to Nikon's unique overlap Servo method, the N80's Focus Tracking enables you to focus continuously on a moving subject. Furthermore, thanks to Lock-On AF, the N80 will continue to track your main subject during Focus Tracking even if something momentarily blocks it in the viewfinder, or it moves off of an AF sensor. This feature is ideal for sports or nature photography where action is often swift and unpredictable.

Focusing Conveniences

- ◆ The N80 incorporates a convenient Vari-Brite Focus Area display system. Once you've selected a focus area, it is automatically superimposed in black in the viewfinder, and momentarily illuminated in red when you focus on a dark colored or poorly lit subject.
- ◆ When ambient light is insufficient for autofocusing, the AF-Assist Illuminator automatically lights up the subject. This feature works in AF-S mode when the center focus area is selected or Closest-subject-priority Dynamic AF mode is activated. It allows you to take sharply focused pictures—even in total darkness.
- ◆ Activated via Custom Setting #4, On-Demand Grid Lines suggest the best position choices for pleasing composition as well as help you keep your horizon line straight. Superimposing a grid over the viewfinder, these horizontal and vertical lines are also helpful for shooting architectural photography or landscapes that include horizons.

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NIKON

N80

THREE METERING SYSTEMS

10-segment 3D Matrix Metering

10-segment 3D Matrix Metering provides intelligent image analysis. In addition to reading brightness, the system analyzes the 'atmosphere' of a scene by taking the entire image into account. It achieves this by comparing the exposure information of the more than 35,000 scenes in the camera's database with a complex array of actual scene conditions, including brightness, contrast, subject-to-camera distance and the selected focus area. Use of a database distinguishes this meter from typical multi-segment meters.

Center-Weighted Metering

The meter concentrates 75% of its sensitivity on the 8mm-diameter circle while feathering the rest out to the edges, resulting in excellent overall balance. Ideal for shooting portraits or other center-dominant subjects.

Spot Metering

Gives you true pinpoint precision. Select this and the sensing area adjusts to correspond to the focus area you select manually. Ideal when individual control is critical.

Additional Features

- ◆ When using Continuous Servo AF mode with film advance mode, the N80 delivers a film advance speed of 2.5 fps.
- ◆ Electronic depth-of-field preview button lets you confirm the zone of sharpest focus (in all exposure modes) before shooting.
- ◆ Built-in diopter adjustment enables near- or far-sighted photographers to adjust the eyepiece diopter from -1.8 to 0.8 DP.
- ◆ Easy-to-view LCD panel gives you at-a-glance access to vital information. It can be illuminated for viewing in dim lighting.
- ◆ 18 Custom Settings allow you to change the camera's default settings and create your own combination of settings.
- ◆ Powered by two lithium batteries, use the optional MB-16 Battery Pack (accepts 4 AA-type alkaline, lithium, Nicad or NiMH batteries) for extended power performance.

Four Exposure Modes—P, S, A, M

- ◆ Auto-Multi Program mode (P) works with each of the N80's built-in light meters, including 3D Matrix Metering to provide the quickest and simplest exposure control option. Flexible Program lets you shift the combination of aperture and shutter speed set by P mode.
- ◆ Use Shutter-Priority (S) mode when you want to stop action in its tracks or blur movement for creative effect. This mode allows you to select shutter speeds between 30 seconds and 1/4000 of a second. After selecting your desired shutter speed, the N80 automatically selects the correct aperture.
- ◆ Aperture-Priority (A) mode is ideal when you want to explore the uses of depth-of-field. After selecting the aperture you want, the N80 automatically selects the correct shutter speed for you.
- ◆ Manual (M) exposure mode gives you total exposure control. You choose both the shutter speed and aperture. The electronic analog display in the viewfinder and the top-deck LCD show you the degree of exposure deviation from the metered value.

Exposure Compensation and Auto Exposure Bracketing

- ◆ To experiment with varying degrees of brightness for an image, you can take pictures of the same scene with different EV values. Using the exposure compensation button, for example, you compensate the exposure within a range of ± 3 in 1/2 EV increments. Or you can perform exposure bracketing of two or three frames in 0.5 to 2.0 EV steps with all exposure modes including Manual.
- ◆ **AE-L (Auto Exposure Lock):** Press the AE-L button and the N80 memorizes the metered exposure value. Use this feature when you want to change the composition or emphasize a specific part of the picture with center-weighted or spot metering in any automatic exposure mode.
- ◆ **Multiple Exposure:** Set the film advance to multiple exposure to take as many images as you like on the same frame. When shooting in daylight, some degree of exposure compensation will be necessary.

Built-in Speedlight and Advanced Flash Modes

The N80's built-in flash offers coverage for lenses as wide as 28mm and boasts a GN of 39 (ISO 100, ft.) Features include Slow Sync, Rear-Curtain Sync, Red-Eye Reduction and flash output level compensation.

3D Multi-Sensor

Balanced Fill-Flash System

The 3D Multi-Sensor Balanced Fill-Flash System analyzes scene brightness, contrast and subject reflectance to determine precisely the amount of flash needed to create a well-balanced picture—an instant before you take the picture. This is achieved by the camera's 5-segment TTL Multi Sensor and monitor pre-flash function.

Flash Output Level Compensation

You can compensate the flash output level -3 to +1EV in 1/2 steps. This lets you control the intensity of the flash to create even more exciting fill-flash photographs.

Slow Sync

Slow Sync flash mode extends the automatically controlled shutter speed range in P and A exposure modes. Use this feature to bring out the background details when shooting in low-light situations, or with an illuminated background.

Rear-Curtain Sync

With this function, the flash fires just before the second (or rear) curtain of the shutter begins to move, unlike normal sync which fires the flash at the beginning of the exposure. This creates a stream-of-light effect that follows the flash-illuminated subject.



NIKON

N80



CAMERAS & LENSES

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MB-16 AA Battery Pack for N80 (NIMB16):
Provides an improved grip that makes shooting vertical-format pictures much more comfortable, and converts the power source to four AA batteries. Quick-change battery clip easily slides in and out for fast change and accommodates alkaline, lithium or Ni-MH batteries**69.95**

MS-16 Battery Holder (NIMS16):
Replacement. For the MB-16**12.95**

Accessory Kit for N80 (NIAKN80):
Includes NS-1 wide fabric logo neck strap, two 123A 3v lithium batteries, roll of film, 2- year extended warranty.....**24.95**

Nikon 2-Year Extended Warranty for N80 (NIEWN80):
Provides additional two years of parts and labor service from date of purchase**24.95**

CF-59 Semi Soft Case (NICF59): For N80 and N80 QD with normal lens.....**39.95**

CF60 Semi Soft Case (NICF60): For N80 and N80 QD with short telephoto lenses**44.95**

N80 Body (NIN80): Includes DK-5 Eyepiece shield and DK-10 Eyecup**339.95**
N80 QD Body (NIN80D): 35mm SLR Autofocus Camera Body with Date.....**369.95**
The N80 requires two 123A 3v Lithium Batteries (GB123A)**3.99 ea.**

Optional Eyepiece Accessories for the N80

Eyepiece Adapter (NIEPAN6006)	3.95	+1.0 Diopter (NIDP1N80)	12.95
DK-2 Rubber Eyecup (NIDK2)	9.95	+2.0 Diopter (NIDP2N80)	12.95
DK-4 Rubber Eyecup (NIDK4)	9.95	+3.0 Diopter (NIDP3N80)	12.95
DK-5 Eyepiece Shield (NIDK5)	1.95	-2.0 Diopter (NIDM2N80)	12.95
DK-10 Rubber Eyecup (NIDK10)	3.85	-3.0 Diopter (NIDM3N80)	12.95
0 Diopter (NID0N80)	12.95	-4.0 Diopter (NIDM4N80)	12.95
+0.5 Diopter (NIDP.5N80)	12.95	-5.0 Diopter (NIDM5N80)	12.95



N80 Instructional Video Tape (NIVTN80):
“Getting the Most from Your Nikon N80” will help you master this camera’s features, as you improve your knowledge of photography overall. National Geographic Traveler’s photographer, Bob Krist explains the capabilities of this camera in a simple and understandable manner in Santa Fe, New Mexico**24.95**

N80 Specifications

- Exposure modes: Programmed Auto (Flexible Program possible); Shutter-Priority Auto; Aperture-Priority Auto; Manual
- Diopter adjustment: -1.8 to +0.8 DP
- Viewfinder eyepoint: 15.5 to 20mm
- Focusing screen: Nikon Advanced Focusing Screen with Vari-Brite focus area and On-Demand Grid Lines
- Lens Servo: Single Servo AF (S), Continuous Servo AF (C), Manual focus (M) - Focus Tracking automatically status activated
- Focus area: One of five focus areas can be selected
- AF Area mode: Single Area AF and Dynamic AF (Dynamic AF Mode with Closest Subject Priority also available)
- Focus lock: Focus is locked by pressing AF-L/AE-L button or lightly pressing shutter release button in Single Servo AF
- Metering system: 10 segment 3D Matrix Metering, 75/25 Center-Weighted Metering & Spot Metering
- Exposure compensation: ±3 EV range, in 1/2 steps
- Auto exposure lock: Detected exposure value locked by pressing AF-L/AE-L button
- Auto bracketing exposure: Two or three frames, 1/2 steps
- Film speed setting: ISO 25-5000 (DX), or 6-6400 in 1/3 steps (manual)
- Shutter speeds: 30 seconds to 1/4000 of second, plus Bulb
- Additional controls: 18 user programmable Custom Settings
- Sync contact: X-contact only; flash synchronization up to 1/125 sec.
- Built-in TTL Speedlight: GN39 (ISO 100, ft) 28mm flash coverage: Red-Eye Reduction, TTL flash control including 3D Multi-Sensor Balanced Fill-Flash, Slow Sync and Rear-Curtain Sync are possible
- Flash control: 5-segment TTL Multi Sensor w/ 3D Multi-Sensor Balanced Fill-Flash with built-in and external Speedlights
- Flash sync mode : Front-Curtain Sync, Red-Eye Reduction, Red-Eye Reduction with Slow Sync, Slow Sync, Rear-Curtain Sync
- Accessory shoe: Standard ISO-type hot-shoe
- Self-timer: 2 to 20 seconds with Custom Setting
- Depth-of-field preview button: Yes
- Film advance: Automatic advance with built-in motor; S (Single) or C (Continuous) mode up to 2.5 fps
- Film rewind: 15-sec. for 36-exp., 23-sec. in quiet rewind mode
- Multiple exposure: Activated using film advance mode dial
- Power source: Two CR123A batteries
- Measures 5.6 x 3.9 x 2.8" (W x H x D), weighs 18.2 oz.

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NIKON

F100

35mm SLR Autofocus Camera

For generations, Nikon cameras have allowed professional photographers to achieve maximum performance day-in and day-out. Performance they can count on, shot after shot. Designed to provide professional photographers with everything they need — in the studio and on assignment—the compact and rugged F100 delivers. It makes precise, responsive Dynamic Autofocus so fast, that images literally snap into focus. It also works perfectly with every AF Nikkor lens, AF-S Nikkor, AI-S Nikkor and more.

It features Nikon's 3D Matrix Metering while Nikon's automatic balanced fill-flash system is uncanny at showing up that touch of extra light for perfect exposures and cover page pictures. For extra dependability, the chassis, top, bottom and front covers, and selected parts are constructed of rugged yet lightweight magnesium alloy metal. Last, 22 custom settings and a host of accessories make the F100 a clear choice in 35mm systems.



The heart of the F100's AF system is the Multi-CAM AF module. Creatively aligned Wide-Cross Array Sensor design makes autofocus operation fast, whether you hold the camera horizontally or vertically. For creative composition, especially for action photography, you can choose any of the F100's AF sensors as a primary sensor; so you're never locked into using just the center sensor for a first AF reading.

Three Metering Systems

10-segment 3D Matrix Metering:

10-segment 3D Matrix Metering provides intelligent image analysis. In addition to reading brightness, the system analyzes the 'atmosphere' of a scene by taking the entire image into account. It achieves this by comparing the exposure information of the more than 35,000 scenes in the camera's database with a complex array of actual scene conditions, including brightness, contrast, subject-to-camera distance and the selected focus area. Use of a database distinguishes this meter from typical multi-segment meters.

Center-Weighted Metering:

The meter concentrates 75% of its sensitivity on the 12mm-diameter circle while feathering the rest out to the edges, resulting in excellent overall balance. Ideal for shooting portraits or other center-dominant subjects.

Spot Metering:

When you need pinpoint precision, Spot Metering reads a 4mm-diameter area (1% of the image area). The sensing area also adjusts to correspond to the manually selected focus area for optimal individual control.

Dynamic Autofocus

Nikon's exclusive Dynamic Autofocus gives you the ability to capture the key moments, the exciting action shots that make the image special. Dynamic AF automatically follows moving objects as they cross the frame and move along five strategically placed focus areas. Should your subject move off the selected area, accurate autofocus is ensured by Nikon's Lock-On feature.

- ◆ Nikon's AF system simultaneously detects focus and drives the lens. The result is extremely precise focusing that operates smoothly and quickly frame after frame, for every frame.
- ◆ Focus tracking is automatically activated when your subject starts to move, regardless of direction, and it operates at framing rates up to 4.5 fps (frames per second). Using the optional MB-15 Multi-Power High-Speed Battery Pack, the F100 achieves speeds up to 5 fps. If the main subject wanders off the AF sensor area during focus tracking operation, or if something momentarily blocks the sensor's view, Lock-On is automatically activated and the F100 continues to track the subject, maintaining sharp focus.
- ◆ The F100 comes standard with Nikon's B-type BriteView screen. You can also choose the optional E-type screen, which also functions with the F100's built-in red LED projected display that highlights the focus detection areas.
- ◆ For maximum versatility, the F100 offers two AF modes. Single Servo AF with focus priority (AF-S) won't release the shutter until complete, sharp focus is achieved. Continuous Servo AF with release priority (AF-C) lets you release the shutter whenever you're ready. Simply press the Focus Area Selector Pad to quickly select or change a focus area.
- ◆ Manual focusing the F100 is a smooth, precise operation. It uses no battery power, so it's ideal for extending battery life in power-draining conditions. The F100's versatile electronic rangefinder simplifies manual focusing when used with lenses having a maximum aperture of f/5.6 or faster—all of Nikon's AF Nikkor lenses.



Four Exposure Modes

- ◆ Program Auto Exposure mode works with the 3D Matrix Metering to provide the quickest, simplest, most-advanced exposure control. Flexible Program automatically changes shutter speed and aperture combinations. When you don't have time to make decisions about exposure, Programmed Auto Exposure takes over.
- ◆ Aperture-Priority mode is ideal when you want to explore the uses of depth-of-field. For shooting portraits or other scenes where you want a shallow depth-of-field, try larger apertures. For more depth sharpness, as in scenic photography, use smaller apertures.



- ◆ Use Shutter-Priority mode when you want to select shutter speeds manually in 1/3 EV steps—great for stopping action in its tracks or blurring movement for creative effect. The F100 automatically selects the correct aperture in 1/3 EV increments to match the selected shutter speed. You can also customize exposure settings in 1/3, 1/2 or 1 EV steps.



- ◆ Manual mode provides complete control over exposure. Choose both the shutter speed and aperture using the F100's built-in meters as guides for optimal exposure. The electronic analog exposure display appears in the viewfinder and top deck LCD panel. This shows the exposure deviation from the metered value.

Total Exposure Control

Exposure Compensation

To experiment with varying degrees of brightness for an image, you can compensate exposure up to ± 5 EV in 1/3 EV increments. Or you can perform exposure bracketing of two or three frames in 1/3 to 1 EV steps with all exposure modes including Manual. You can select bracketing with over-exposure or under-exposure only, too. For flash photography, the flash output level also varies. Custom Setting allows bracketing for either background exposure or flash exposure for flash photography.

Multiple Exposure

Set the film advance to multiple exposure to take several exposures on the same frame while the F100 automatically compensates for the density of the image. Explore your creative options by taking as many shots on a frame as you like. (Custom settings enable continuous multiple exposures).

AE-L

(Auto Exposure Lock)

The F100 can memorize the metered exposure value with focus lock. Use AE-L when you want to change the composition or emphasize a specific part of the picture with center-weighted or spot metering in any automatic exposure mode. Can also be used without activating focus lock (using custom settings).

All-Mode Depth-of-field Preview

When using an AF Nikkor or AI-type Nikkor lens, the viewfinder image is set to maximum aperture. Pressing the depth-of-field preview button stops the lens down electrically to the aperture set in any exposure mode. This lets you examine the zone of sharpest focus before shooting. Custom Settings allow changes of $\pm 1/2$ or 1 EV steps.

Multiple Power Sources

- ◆ The F100 is powered by 4 AA-type alkaline or lithium batteries. The optional MS-13 Battery Holder allows the camera to operate with two CR-123A lithium batteries, while the MS-12 holds 2 AA batteries. The optional MB-15 Power Pack accepts 6AA alkaline or lithium batteries as well as the MN-15 NiMH Battery Unit.

Intuitive Operation

- ◆ The F100 has two Command Dials and a focus area selector to give you access to most features. Lock selected controls to prevent inadvertent switching. All controls are easy to operate and logically positioned for fast, easy operation.
- ◆ 22 Custom Settings enables you to choose among customized combinations of various functions/modes and two Command Dials provide access to more versatile functions. Settings allow you bypass the F100's defaults and create your own combination of settings. Change bracketing order, Command Dial functions, AE-L/AF-L button function, self-timer duration and more.

Rugged Construction

- ◆ The F100's front body and top and bottom covers are made of rugged, armor-like magnesium alloy that provides the rigidity and strength needed to maintain precise alignment. Critical surface areas are covered with tough rubber surfaces textured to provide a secure grip and buffer against impact and harsh environments.
- ◆ Durable shutter (passed Nikon's 100,000 cycle test) and strategically placed O-rings guard against moisture and dust.
- ◆ Quick-return mirror is specially designed to help reduce mirror bounce and vibration. Coreless motors and gears are configured in a floating-type design for quiet operation. With rubber-armored, shock-absorbing construction, these motors work to minimize internal vibration.

NIKON

F100



Main-Command Dial



Sub-Command Dial



AE-L/AF-L Button



AF Start Button



Sync Terminal



Diopter Adjustment



AF Area Mode Selector

Main-Command Dial: Use this to select the shutter speed when using Shutter-Priority or Manual, or to access Flexible Program and a range of other camera settings.

Sub-Command Dial: Allows you to select aperture with Aperture-Priority or Manual. Custom Setting #12 let you switch the functions of the two Command Dials.

AE-L/AF-L Button: Simultaneously locks both exposure and focus. Use Custom Setting #21 when you want to lock exposure or focus only.

AF Start Button: You can activate AF operation by pressing this button or the shutter release button. This button works full time, so there's no need to use a Custom Setting to activate it.

Sync Terminal: Accepts all standard PC-type plug-in flash sync cords.

Diopter Adjustment: Enables near- or farsighted photographers to adjust the eyepiece diopter from -3 to +1.

AF Area Mode Selector: Lets you choose Dynamic AF or Single Area AF mode.

Intelligent Flash System

Nikon's Automatic Balanced Fill-Flash system works perfectly with Dynamic AF and 3D Matrix Metering in terms of importance. In fact, Nikon's Fill-Flash system works perfectly with all F100 exposure modes, exposure compensation techniques, and exposure bracketing as well. It works realtime under demanding conditions for action photography, in super-bright light and dim light of dawn and dusk.

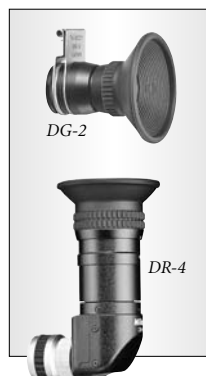
- ◆ 3D Multi-Sensor Balanced Fill-Flash works with the camera's meters, and each of the exposure control modes. With a 5-segment TTL multi-sensor, the F100 delivers sophisticated exposure control under any conditions. It precisely monitors flash output using a segmentation pattern that conforms to the classic rules of composition. The five segments enable optimum exposure control, even after the composition has changed and the subject is no longer at the original focus sensor point. Nikon's 5-segment sensor covers the entire frame, providing better flash exposure for a wider range of compositions.
- ◆ For flash photos at slower shutter speeds, Slow Sync balances the exposure of background and foreground subjects. Slow Sync extends the automatic shutter speed to the full range of available shutter speeds from 1/250 to 30 seconds.
- ◆ The F100 offers a top TTL flash sync speed of 1/250 second for automatic balanced fill-flash even with the fastest moving subjects—and sharp images with longer lenses. A wider choice of apertures offers more creative control, and lets you shoot over a wider range of ambient light conditions.
- ◆ Rear-Curtain Sync produces a stream of ambient light behind the flash illuminated subject—especially effective when slow shutter speeds are used.
- ◆ FP High-Speed sync up to 1/4000 second means you can make fill-flash pictures even in bright daylight, and still maintain wide aperture settings for expanded control of depth of field.
- ◆ Before the shutter is released, Nikon's red-eye reduction lamp (on most Speedlights) lights up to reduce red-eye. This mode can be used with Slow Sync.

Optional Finder Accessories

DG-2 Eyepiece Magnifier (NIDG2): Provides 2x magnification of the central portion of the finder image (needs DK-7). Eyesight adjustment provided. Useful for critical focusing in close-up photography.....**59.95**

DK-7 Eyepiece Adapter (NIDK7): Lets you attach the DG-2 to the F100's finder eyepiece.....**9.95**

DK-6 Rubber Eyecup (NIDK6): Prevents stray light from entering the viewfinder from the rear and allows eyeglass wearers to use the F100 without fear of scratching their glasses.....**9.95**



Eyepiece Correction Lenses: Nine optional eyepiece correction lenses from -5 to +3 allow you to adjust the diopter beyond its standard range. See page 140 for ordering info.....**16.95 ea.**

DK-15 Anti-Fog Eyepiece Adapter (NIDK15): This eyepiece features a transparent plastic plate with special surface coating which reduces fogging on the eyepiece.....**18.95**

DR-4 Right-Angle Viewing Attachment (NIDR4): A right angle adapter, the DR-4 provides 100% viewfinder coverage from a convenient 90° angle to facilitate low-level viewing. Diopter adjusts from +4 to -4.....**129.95**



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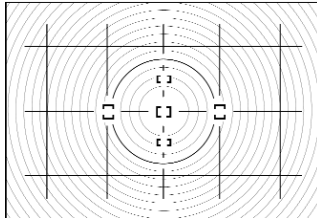
NIKON

F100

Versatile Accessories

E-type (Clear Matte/Fresnel with Grid) Focusing Screen (NIFSEF100)

Etched horizontal and vertical lines added to B-type screen, the E-type screen is suitable for copying and architectural photography. Especially for use with PC-Nikkor lens27.95

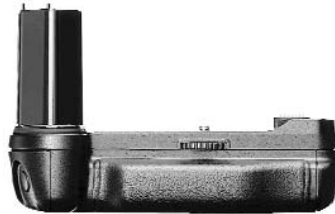


MS-13 Battery Holder (NIMS13)

Allows the F100 to operate on the power of two 3v CR-123A lithium batteries, which are lighter than the standard 4 AA alkaline batteries. The lithium batteries also offer better battery performance in low temperatures.....29.95

MB-15 Multi-Power High Speed Battery Pack (NIMB15)

The ergonomically designed MB-15 provides an alternative shutter release button, an AF start button and command dials that make shooting vertical-format pictures much more comfortable. It runs on either 6 AA alkaline or lithium batteries, or with the MN-15 NiMH battery. The MB-15 boosts film advance speed from 4.5 to 5.0 fps —regardless of the type of batteries used.....154.95



MN-15 NiMH Rechargeable Battery (NIMN15)

Exclusively designed for use with the MB-15 Multi-Power High Speed Battery Pack, the MN-15 is a NiMH rechargeable battery for convenience and improved power and speed capability up to 5 frames per second. It can be recharged approx. 500 times using the MH-15 Quick Charger109.95



MH-15 Battery Charger (NIMH15)

The MH-15 Ni-MH Battery Charger recharges a fully discharged MN-15 NiMH Battery in approximately 70 minutes249.95



MF-29 Data Back (NIMF29)

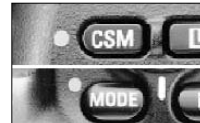
Imprints selected date and time information within frame; your choice of Year/Month/Day, Month/Day/Year, Day/Hour/Minute - or no imprintIMP. 119.95 /USA 139.95



Manual ISO Speed Setting



10-Pin Remote Terminal



Two-Button Reset



Depth-of-Field Preview



Focus Area Selector



Camera Back Lock Release



Top Deck LCD Panel

Manual ISO Film Speed Setting: You can select the film speed manually from ISO 6 to 6400 in 1/3 steps. The LCD shows you the setting. DX automatic operation is also available.

10-Pin Remote Terminal: Accepts Remote Cord MC-20 or MC-30 and other accessories.

Two-Button Reset: When you press the Exposure Mode and Custom Setting Menu buttons simultaneously for over two seconds, this returns all the F100's settings to its default settings except any Custom Settings that have been chosen.

Depth-of-field Preview Button: Lets you examine the zone of sharpest focus before shooting.

Focus Area Selector: Lets you select focus area. A lock lever is provided.

Camera Back Lock Release: Easy to operate and reach even when the flash bracket is attached.

Top Deck LCD Panel: Easy-to-see LCD gives you at-a-glance access to vital information. It can be illuminated for viewing in dim light.

CAMERAS & LENSES

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NIKON

F100

CF-57 Semi Soft Case (NICF57): For F100 with the 28-105mm f/3-4.5D as well as all lenses which are both shorter (up to 3.6") and narrower (up to 2.9")**39.95**

CF-58 Semi Soft Case (NICF58): For F100 with the 70-300mm f/4-5.6D ED as well as lenses which are both shorter (up to 4.9") and narrower (up to 2.9")**44.95**

Getting the Most from Your Nikon F100 - Instructional Video Tape (NIVTF100): Hosted by National Geographic's Bob Krist, "Getting the Most from Your Nikon F100" covers both the fundamentals and advanced features of the camera. Join Krist on location as he explains the F100's Dynamic Autofocus operation, as well as exposure modes, flash, focus tracking and other features. Learn Krist's approach to each picture and his flair for photo composition. 60 minutes**24.95**



F100 Body (NIF100):

Includes Slip-on body cap, DK-8 Eyepiece Shield and MS-12 AA battery holder**899.95*/949.95**

Optional Eyepiece Correction Lenses for the F100

0 Diopter	Eyepiece correction lens	(NID08008)	16.95
+0.5 Diopter	Eyepiece correction lens	(NIDP58008)	16.95
+1.0 Diopter	Eyepiece correction lens	(NIDP18008)	16.95
+2.0 Diopter	Eyepiece correction lens	(NIDP28008)	16.95
+3.0 Diopter	Eyepiece correction lens	(NIDP38008)	16.95
-2.0 Diopter	Eyepiece correction lens	(NIDM28008)	16.95
-3.0 Diopter	Eyepiece correction lens	(NIDM38008)	16.95
-4.0 Diopter	Eyepiece correction lens	(NIDM48008)	16.95
-5.0 Diopter	Eyepiece correction lens	(NIDM58008)	16.95

F100 Specifications

- Exposure modes: Programmed Auto (Flexible Program possible); Shutter-Priority Auto; Aperture-Priority Auto; Manual
- Viewfinder: Fixed eye-level pentaprism, built-in diopter adjustment (-3 to +1 DP), approx 96% coverage
- Focusing screen: B-type BriteView clear Matte screen III, interchangeable with optional E-type screen with grid
- AF Servo: Single Servo AF (S), Continuous Servo AF (C), Manual focus (M); Focus Tracking with Lock-On automatically activated in subject's status in Single Servo AF (S) or Continuous Servo AF (C)
- Focus area: One of five focus areas can be selected
- AF Area mode: Single Area AF and Dynamic AF (Dynamic AF Mode with Closest Subject Priority is available)
- Focus lock: Focus is locked by pressing Focus-Lock button or lightly pressing shutter release button in Single Servo AF
- Three selectable TTL full-aperture exposure metering systems: 10 segment, 3D Matrix Metering, Center-Weighted Metering (75% of the meter's sensitivity concentrated on the 12mm dia. circle) and Spot Metering (4mm dia. circle, approx. 1% of entire frame)
- Exposure compensation: ±5 EV range, in 1/3 steps
- Auto exposure lock: Detected exposure value locked by pressing AE-L button
- Auto exposure/flash: Exposure Bracketing Number of shots two or three; compensation steps: 1/3, 1/2, 2/3 or 1 steps
- Shutter speeds: In P, A: 30 to 1/8000 sec.; In S: 30 to 1/8000 sec. (in 1/3 steps); In M: 30 to 1/8000 sec. (in 1/3 steps), Bulb
- Film speed setting: DX (ISO 25-5000) or manual 6-6400 in 1/3 steps
- Flash control: Controlled by five-segment TTL Multi-Sensor; Automatic Balanced Fill-Flash with TTL Multi-Sensor, Multi-Sensor Balanced Fill-Flash, Standard TTL, Non-TTL Auto, Manual, FP Sync
- Flash sync mode: 1/250 sync, Front-Curtain Sync (normal sync), Red-Eye Reduction, Red-Eye Reduction with Slow Sync, Rear-Curtain Sync
- Self-timer: Electronically controlled; timer duration: 10 sec.
- Depth-of-field preview button: Stop-down lens aperture in all modes by pressing depth-of-field button
- Film advance speed: (with Continuous Servo AF, Manual exposure mode, shutter speed 1/250 sec. or faster, 36-exposure film) S: One frame advance, C: Continuous shooting; Approx. 4.5 fps (AA-type alkaline batteries); Approx. 5 fps (with Multi-Power High Speed Battery Pack MB-15), CS: Continuous silent-low-speed shooting; Approx. 3 fps (AA-type alkaline batteries); Approx. 3 fps (with Multi-Power High Speed Battery Pack MB-15)
- Film rewind: Automatic rewind of 36-exp. film in 9 (C) or 19 sec (CS)
- Multiple exposure: Activated using film advance mode dial 10-pin remote terminal Equipped
- Power source: AA-type battery holder MS-12 provided (four alkaline or lithium batteries); optional 3v lithium battery holder MS-13 (two CR123A); optional Multi-Power High Speed Battery Pack MB-15 (six alkaline or lithium batteries, or optional MN-15 Ni-MH battery)
- Measures 155 x 113 x 66mm (WxHxD), weighs 785g



NIKON

F5

35mm SLR Autofocus Camera

Nikon's flagship camera, the F5, offers all the features professionals demand, including dependability, accuracy, smooth handling and Nikon System compatibility - plus more. The F5 offers a range of breakthrough features such as the world's fastest autofocus operation with cross-ranged five-area AF sensors, a film advance speed of 8 frames per second (fps) even with Focus Tracking, revolutionary 3D Color Matrix Metering, and more. Many of these innovations fill the needs of professional photographers in such areas as sports, nature, fashion, photojournalism, science, and others. In addition, the F5 boasts the Nikon F lens mount, a feature which has remained virtually unchanged since the debut of the Nikon F in 1959. In this way, the F5 exemplifies Nikon's commitment to maintaining their decades-long partnership with the world's professional photographers. From its metal housing to its future-proof design, the F5 upholds the highest standards of reliability and compatibility with existing and future technologies. Indeed, it continues to be the standard for 35mm professional cameras in the 21st century.



CAMERAS & LENSES

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FEATURES

The F5's combination of speed and accuracy have made it the top choice for sports and action photographers as well as photojournalists

- ◆ The F5 offers Single Servo mode for single-frame autofocus or Continuous Servo AF operation at motor speeds up to 8 frames per second (fps) with full AF operation and Lock-On. This means that frame-after-frame—up to 8 frames per second, the F5's AF system precisely captures the subject—stationary or moving, centered or off-center, coming from left, right, top or bottom, even if there is a momentary interruption from another subject.
- ◆ In Dynamic AF mode, simply select the primary sensor (center, left, right, top or bottom) that best suits your composition. If your subject moves within the frame, the F5 automatically changes sensor to keep your subject tack sharp.
- ◆ The F5's exceptional AF performance isn't limited to average conditions—it excels under different conditions, like up-close. As a moving subject comes closer, the rate of change of the distance accelerates—and that's a problem for most AF systems: they can't keep up. The F5 keeps up at even closer distances than any other camera system.
- ◆ The F5's 5-segment AF sensor features a wide-area, cross-type design. In horizontal compositions, a complete line of sensors addresses subjects moving across the field of view. When the camera is held vertically, the cross-type design provides a line of sensors that follows the action. This sensor system works with every AF Nikkor lens.
- ◆ The F5 has a complete system of extremely reliable micro-electronics and mechanical components to provide ultra-fast operation. As subjects move quickly about the scene, the F5's micro-computers instantaneously process data. Coreless motors respond in milliseconds to drive the lens, the shutter opens and the film advances as you shoot at continuous speed up to 8 fps with autofocus. Even the mirror is designed to provide rock-steady AF operation.
- ◆ In addition to Dynamic AF operation, the F5 provides a Single Area AF mode. It's like having a choice among five carefully positioned AF spot sensors. The selected focus area is indicated on the LCD and the focusing screen.
- ◆ Choose Single Servo AF and shoot one frame at a time; use Continuous Servo AF for quick-changing situations. Either way, you'll get fast and accurate response, with sharpness you can see. You get Focus Tracking, in all AF modes, automatically activated when the F5 senses that the subject is moving. Nikon's Focus Tracking with Lock-On overcomes momentary interruptions in focus. When you want to focus manually, the accurate and versatile Electronic Rangefinder can guide you.
- ◆ For times when you want AF operation activated separately from the shutter release button, use the F5's AF start buttons—one button for horizontal, one for vertical handling. It's perfect for sports and other fast-action shooting because it lets you to concentrate solely on shutter release timing.
- ◆ The F5's built-in motor quickly rewinds the film: 4 seconds for a 36-exposure roll with the MN-30 NiMH battery, 6-seconds with fresh AA alkaline or lithium batteries—at normal temperatures. Film can also be rewound by hand.

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NIKON

F5

Intelligent Exposure Control

- ◆ The F5's 3D Color Matrix Meter incorporates a 1,005-pixel RGB sensor that actually evaluates a scene's colors, while AF Nikkor lenses with Distance Signal technology provide information to the meter about the quality and quantity of the light falling on the subject. When the F5 is used with the SB-800 Speedlight, a monitor pre-flash measures subject reflectance, a key element in determining exposure.
- ◆ The matrix meter evaluates all these factors, weighing them against a database of 30,000 images. Powerful Nikon software controls the entire system, integrating all the data to ensure the utmost in exposure accuracy. The results are automatic exposure control that will astonish you.
- ◆ The F5's center-weighted meter concentrates 75% of its sensitivity within the viewfinder's 12mm circle, 25% in the peripheral area—but the meter allows you to change the size of that circle to 8mm, 15mm, or 20mm to provide maximum metering versatility.
- ◆ For the highest level of exposure control, choose among the F5's five spot meters. Corresponding in position to the five sensor areas for dynamic autofocus, the F5's spot meter system provides precise metering concentration (4mm-diameter area) based on your personal exposure choices for the scene and the subject.
- ◆ Five-segment TTL Multi-Sensor precisely monitors flash output. Imperceptible monitor pre-flashes from Nikon Speedlights and distance information from D-type AF Nikkor lenses help overcome exposure failure with highly reflective surfaces, distant backgrounds, outdoor fill-flash and surfaces that don't have 18% reflectance. You can use the F5's fill-flash power together with highly automatic exposure control, or control exposure manually. Either way, you still get the proven performance of Nikon's exclusive 3D Multi-Sensor balanced fill-flash.
- ◆ Using Custom Setting #20 with Shutter Priority or Manual mode, the F5's top flash sync speed is boosted to 1/300 of a second, expanding the camera's exposure range for fill-flash shooting.



Unequaled Versatility

- ◆ The F5 offers a wide selection of exposure control and compensation choices. There's EV compensation, AF and AE Lock controls and four exposure control systems, including Program AE, Shutter and Aperture Priority as well as full manual control plus flexible program control.
- Programmed Auto mode automatically sets the shutter speed and aperture, while Flexible Program mode allows you to shift the shutter speed and aperture combination while maintaining the correct exposure.
- Shutter Priority mode gives you a choice of speeds from 1/8000 second to 30 seconds.
- Aperture Priority mode offers a range of apertures in 1/3-stop increments.
- Manual mode turns total control of the exposure over to you.
- ◆ You can manually control exposure compensation from ± 5 EV in 1/3 EV steps. Auto Bracketing is built-in and allows you to take two or three consecutive pictures of the same scene while changing EV values in increments of 1/3, 2/3 and 1 EV. You can also select the order of the compensation, such as making the first image of the sequence with no compensation, the second with 1/3 and third at 2/3 compensation.

- ◆ Make as many images on the same frame as you wish. You can even combine Multiple Exposure Control with Exposure Bracketing and/or Exposure Compensation to achieve a variety of in-camera special effects.
- ◆ You can change the way the F5 operates by choosing from the camera's 24 built-in custom settings, which are selected using the convenient Main Command Dial. Optional backs for the F5 allow imprinting data on slides; interval timing; long exposure programming (up to 999 hours); and Freeze Focus, in which the shutter is automatically released the moment the subject enters the zone of focus.
- ◆ The F5's exposure management system combines the benefits of automatic operation and manual control. Choose from four film advance modes: Single (S), Low-Speed Continuous (CL), for up to approximately 3 fps; High-Speed Continuous (CH), for up to 8 fps; and Silent mode (CS), for near-silent operation at approximately 2 fps. Custom settings provide additional choices of motor speed rates.



The F5 is the fifth in the F series lineup which began with the Nikon F in 1959, followed by the Nikon F2 in 1971, the Nikon F3 in 1980, and the Nikon F4 in 1988. Each of these cameras incorporates the finest elements of its predecessors, including the Nikon F mount, while offering the latest innovations to meet the increasingly diversified needs of professional photographers. A great number of Nikon F series cameras and Nikkor lenses are actively working in various locations around the world - years, even decades, after their initial launch. The Nikon F5 still upholds Nikon's tradition of innovation and non-obsolescence as the new millennium approaches.

Full Flash Control Modes

- ◆ The F5 uses five TTL sensors to precisely monitor flash output to offer versatile, capable fill-flash performance and total control of how light will affect your photograph. Choose flash compensation in 1/3 EV steps from ± 3 (with SB-800 Speedlight) to ensure natural-looking images.
- ◆ The 3D Multi-Sensor Fill-Flash allows a choice of Normal TTL Sync; Slow Sync for blurred effects; Rear-Curtain Sync (in which the flash fires at the end of the exposure); or sync at 1/300 second for fast moving subjects. In manual mode, you can use FP High-Speed Sync, which allows flash synchronization at speeds up to 1/4000 of a second.
- ◆ Automatic Balanced Fill-Flash provides auto fill-flash for every exposure mode. It will also operate during automatic exposure bracketing. The F5's advanced electro-mechanical design, which features a fast, powerful AF drive motor, provides quick, precise autofocus.



For Any Inquiries Regarding Your Order, Call Our Customer Service:
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The Ultimate in Reliability

- ◆ The F5 is strong: its major components crafted from durable metals. The chassis is made of tough aluminum alloy, rigid and strong to maintain precise alignment, as are the top shoulders, the bottom and the front-grip covers.
- ◆ The viewfinder's top cover is titanium for extra resistance to impact. Covering selected areas of this armor-like structure are rubber surfaces, textured for secure holding and for buffering against the environment and impact.
- ◆ The grip itself has a textured rubber surface. Dials and buttons are designed to resist intrusion by moisture and dust.
- ◆ The F5's design has been rigorously tested to assure reliable performance under demanding professional conditions. It is tested to resist moisture and dust. It is vibration-tested and put through extremes of temperature.
- ◆ If you've ever experienced shutter failure—shutters that sound like they're working but are not, or that have become inaccurate due to fatigue and environmental stresses, you'll appreciate the F5's Shutter Monitor. Temperatures and other conditions affect shutters, altering their performance. The Shutter Monitor checks the shutter everytime it's released. If speeds begin to shift from the calibrated speed, the camera automatically compensates to maintain an accurate exposure. If in an extreme instance the shutter fails to operate, the F5 will alert you.

Whisper Quiet Operation

- ◆ A mirror balancer reduces noise and vibration. The F5 also has a faster-moving mirror, so it can keep up with other high-speed operations, like the motor's 8 frames per second framing rate and autofocus speed that keeps pace with the motor.
- ◆ Thanks to a floating-type design, the coreless motors and gears are quieter too. With their shock-absorber like construction, they minimize internally induced vibration. In the continuous Silent film advance mode, you get quiet film advance—not just quiet, but also with a quality of sound that isn't metallic or shrill.

F5 Optional Accessories

DP-30 Multi-Meter Finder (NIDP30)

The standard finder is interchangeable with three other optional viewfinders, all of which offer virtually 100% frame coverage. The high-eyepoint DP-30 enables all exposure metering systems including 3D Color Matrix. It incorporates a built-in diopter adjustment (-3 to +1) as well as a ISO-standard accessory shoe, eyepiece shutter and metering system selector.....IMP. 369.95 /USA 409.95



DA-30 AE Action Finder (NIDA30)

Ideal when normal viewing is difficult or impossible, such as when wearing a helmet or goggles. Includes rubber hood and rubber eyepiece cover.....IMP. 829.95 /USA 979.95



DW-30 Waist-Level Finder (NIDW30)

For use when the F5 is at a low angle or on a copystand. Fold-up type viewing hood provided. The built-in flip-up magnifier provides 5x magnification at the center of the image for accurate focusing.....IMP. 219.95 /USA 239.95



DW-31 6x High-Magnification Finder (NIDW31)

For critical close-up work and photomicrography. It provides a sharp view of the entire image at a 6x magnification. Fitted with a -5 to +3 diopter adjustment for individual eyesight correction. Also includes a rubber eyecup and eyepiece cap.....IMP. 359.95 /USA 399.95



MF-28 Multi-Control Back

The MF-28 enables imprinting of any of the following data: date, time, frame number, serial upcount number, fixed number, shutter speed, aperture, exposure compensation value, or any desired letters/numbers up to 6 digits inside the frame or up to 22 digits between frames. The MF-28 also enables the F5 to be used for various other advanced functions such as:

- **Interval Timer**—Commencement time, interval time, number of shots taken and number of intervals can be input
- **Auto Bracketing**—You can shoot up to 9 continuous frames, each with a different exposure
- **Long Time Exposure**—You can choose any duration from one second up to 999 seconds, 999 minutes or 999 hours
- **Freeze Focus**—Shutter is automatically released the moment the subject enters in-focus position



MF-28 Multi-Control Back (NIMF28)IMP. 459.95 /USA 499.95



Data Back MF-27 (NIMF27)

A compact alternative to the MF-28, it allows you to imprint the data desired — year/month/day, month/day/year, day/year/month, day /hour/minute — or leave the blankIMP. 149.95 /USA 159.95

USA= Imported & Warrantied by Nikon USA

IMP. = Imported & Warrantied by B&H (not qualified for Nikon USA rebates and warranties)

NIKON

F5

Interchangeable Focusing Screens

These special Nikon screens are ideal for manual focusing and as composition aids, and do not affect the F5's autofocus operation. All are made of Nikon ground glass.

Type A (NIFSAF5): Matte/Fresnel field with 12mm center reference circle and split-image rangefinder**43.50**

Type B (NIFSBF5): Matte/Fresnel field with 5mm diameter and 12mm-diameter reference circles and AF brackets. For general photography**43.50**

Type C (NIFSCF5): Fine-ground Matte field with 5mm diameter clear spot and crosshair. For photomicrography and other high-magnification applications using parallax focusing on aerial images**43.50**

Type E (NIFSEF5): Matte/Fresnel field with 5mm diameter and 12mm-diameter reference circles and AF brackets. For general photography**43.50**

Type EC-B (NIFSECBF5): Electrochromatic device, shows focus area selected and offers unobstructed viewing and easy focusing on the overall Matte surface**43.50**

Type EC-E (NIFSECEF5): Matte/Fresnel field with 5mm and 12mm-diameter reference circles and AF brackets, and etched horizontal and vertical lines. Ideal for architectural photography**99.95**

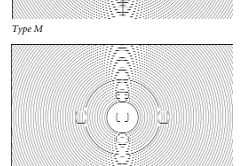
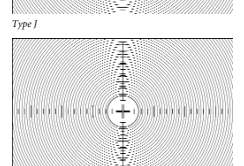
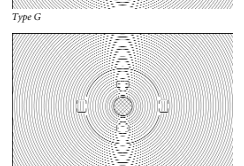
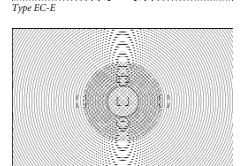
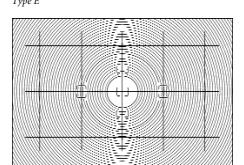
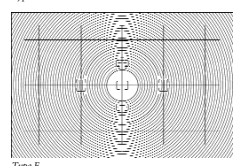
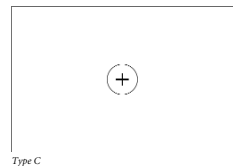
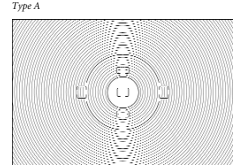
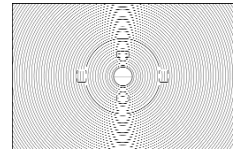
Type G: Clear fresnel field with extra-bright 12mm diameter microprism focusing spot for use in poor light. Models correspond to lenses with different focal lengths.

- G1 for fisheye (NIFSG1F5)**43.50**
- G2 for wide angle (NIFSG2F5)**43.50**
- G3 for 50mm f/1.2 (NIFSG3F5)**43.50**
- G4 for 300mm f/2.8 (NIFSG4F5)**43.50**

Type J (NIFSJF5): Matte/Fresnel field with central 5mm diameter microprism focusing spot and 12mm-diameter circle. For general photography**43.50**

Type M (NIFSMF5): Fine-ground fresnel field with 5mm diameter clear spot and crosshair for use in parallax focusing on serial images, plus millimeter scales. Suitable for close-ups, photomicrography and other high-magnification applications**43.50**

Type U (NIFSUF5): Matte/Fresnel field with 5mm and 12mm-diameter reference circles and AF brackets. Use with telephoto lenses longer than 200mm**43.50**



Power Sources

The F5 comes standard with the MS-30 Battery Holder which accepts 8 AA alkaline or lithium batteries. To maximize power and speed, Nikon offers the MN-30 Rechargeable NiMH Battery for top performance.

MN-30 Ni-MH Battery Unit (NIMN30): Compared to regular AA-type alkaline batteries, the Ni-MH battery is more durable and maintains better performance at low temperatures**129.95**



MH-30 Ni-MH Battery Charger: Exclusive charger for the MN-30 Ni-MH Battery (NIMH30)**299.95**

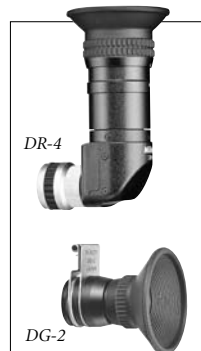
MC-32 External Power Cord (NIMC32) Especially recommended when using the F5 for extended studio use, the MC-32 connects 12v external power source to the F5**149.95**

Viewing Attachments

DK-2 Rubber Eyecup (NIDK2): Prevents stray light from entering the viewfinder from the rear and allows eyeglass wearers to use the F5 without fear of scratching their glasses**9.95**

DK-7 Eyepiece Adapter (NIDK7): Lets you attach the DG-2 to the Multi-Meter Finder DP-30's eyepiece**9.95**

DK-14 Anti-Fog Eyepiece Adapter (NIDK14): This eyepiece features a transparent plastic plate with special surface coating which reduces fogging on the eyepiece**22.95**



DR-4 Right-Angle Viewing Attachment (NIDR4): A right angle adapter, the DR-4 provides 100% viewfinder coverage from a convenient 90° angle to facilitate low-level viewing. Diopter adjusts from +4 to -4**129.95**

DG-2 Eyepiece Magnifier (NIDG2): Provides 2x magnification of the central portion of the finder image with DK-7Adapter. Eyesight adjustment provided. Useful for critical focusing in close-up photography**59.95**

Eyepiece Correction Lenses: Five lenses (-3, -2, 0, +1 and +2m) are available. When used with the diopter adjustment dial of the Multi-Meter Finder DP-30, the combined adjustment range will extend from -5 to +4m (see next page for ordering)**16.95 ea.**

NIKON

F5 OPTIONAL ACCESSORIES

CF-53 Semi Soft Case (NICF53):

For F5 with the 24-50mm f/3.3-4.5D lens as well as all lenses which are both shorter (up to 3.2") and narrower (up to 2.6")**89.95**

CF-54 Semi Soft Case (NICF54):

For F5 with the 70-300mm f/4-5.6D ED lens as well as all lenses which are both shorter (up to 4.9") and narrower (up to 2.9")**114.95**

F5 Instructional Video Tape (NIVTF5):

"How to Get Most From Your F5" shows you in detail the F5's five-sensor autofocus system, 3D Color Matrix Metering, Focus Tracking with Lock-On and more. Featuring: Peter Turner, Eddie Adams, Frans Lanting, John White and Bill Frakes Host: Joe McNally**24.95**



Optional Eyepiece Correction Lenses for the F5

0 Diopter (NID0F3HP)	16.95
+1.0 Diopter (NIDP1F3HP).....	16.95
+2.0 Diopter (NIDP2F3HP).....	16.95
-2.0 Diopter (NIDM2F3HP).....	16.95
-3.0 Diopter (NIDM3F3HP).....	16.95



F5 Body (NIF5):
With DP-30 Finder, slip-on body cap and MS-30 Battery Holder**1899.95**

CAMERAS & LENSES

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F5 Specifications

- Lens mount: Nikon F mount
- Focus mode: Autofocus, and Manual with Electronic Rangefinder
- AF Area mode: Single Area AF and Dynamic AF selectable
- Autofocus area: Five selectable focus areas
- Autofocus mode: Single Servo AF with Focus-Priority and Continuous Servo AF with Release-Priority
- Focus tracking: Automatically activated when subject moves
- Autofocus lock: Possible once stationary subject is in focus in Single Servo autofocus; in Continuous Servo autofocus, focus can be locked with AE-L/AF-L button
- Electronic rangefinder: In Manual focus mode with AF Nikkor and other AI-type lenses with a maximum aperture of f/5.6 or faster
- Three Exposure System: 3D Color Matrix, Center-Weighted and Spot
- Exposure mode: Programmed Auto, Shutter-Priority Auto, Aperture-Priority Auto and Manual
- Exposure compensation: ± 5 EV range, in 1/3 EV steps
- Multiple exposure: Activated with Multiple Exposure button
- Shutter speeds: from 1/8000 to 30 sec. (in 1/3 step), plus Bulb setting
- Interchangeable Viewfinder: Nikon Multi-Meter Finder DP-30 provided as standard; fixed eyelevel pentaprism high-eyepoint type; 0.75X magnification with 50mm lens set at infinity; 100% frame coverage
- Focusing screen: Nikon advanced EC-B-type screen; interchangeable with 12 other optional screens
- Depth-of-field preview button: Provides visual verification of depth-of-field, operates in all modes
- Film speed range: ISO 25 to 5000 for DX-coded film; ISO 6 to 6400 can be manually set
- Film advance: Single-frame mode, CH (Continuous High) 8 fps, CL (Continuous Low) 3fps or CS (Continuous Silent) 1fps
- Film rewind: Choice of automatic or manual; automatically rewinds when film rewind button 1 and lever 2 are used; takes approx. 4 sec. with Ni-MH battery unit and 6 sec. with eight AA-type batteries per 36-exposure roll; stops automatically when film is rewound; manual rewind when film rewind button 1 and film rewind crank are used
- Flash sync control: Normal Sync, Slow Sync and Rear-Curtain Sync built-in
- Flash synchronization: In Programmed Auto or Aperture-Priority Auto, shutter operates from 1/250 to 1/60 sec. in normal sync. 1/250 to 30 sec. in slow sync; in Shutter-Priority Auto or Manual exposure mode, shutter operates at speed set, or at 1/250 if speed is set between 1/250 and 1/8000 sec. 1/3000 TTL High-Speed Sync can be selected using Custom Setting #20 in Shutter-Priority or Manual exposure mode
- TTL Multi-Sensor: Five-segment TTL Multi-Sensor used for TTL auto flash control
- Automatic Balanced Fill-Flash with TTL Multi-Sensor: Possible with AF Nikkor lens and Nikon Speedlight SB-27, SB-26, SB-23, etc.
- Monitor Pre-flash: Nikon Speedlight SB-28/SB-27 fires Monitor Pre-flash(es) for TTL Multi-Sensor when using D-type AF Nikkor lens
- Power source: Eight AA-type Lithium batteries or optional Ni-MH Battery Unit MN-30
- Measures 6.2 x 5.9 x 3.1" (WxHxD), weights 42.7 oz.

**ORDER & INFO. (212) 502-6340 • FAX: (212) 239-7770 (800) 947-7008
1-800-290-6750 • www.bhphotovideo.com**



NIKON

F6

CAMERAS & LENSES

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35mm Professional SLR

Defining the pinnacle of 35mm SLR photography, the Nikon F6 is the next-legendary F-series camera. Seamlessly blending cutting-edge technologies and uncompromising craftsmanship, the flagship F6 offers film enthusiasts the finest shooting experience an SLR camera can offer. It incorporates Nikon's latest technological advancements, such as the Multi-CAM200 11-area AF system for exceptionally high-speed autofocus operation with outstanding accuracy, the i-TTL Creative Lighting System for incomparable flash photography, and a newly refined proprietary 3D Color Matrix Metering system for improved accuracy in scene recognition and exposure.

The camera also incorporates a new shutter unit crafted from DuPont Kevlar and a special aluminum alloy for unparalleled reliability, lightening-quick movement and precision. Constructed on an aluminum-alloy die-cast chassis with magnesium-alloy front body and covers (top, bottom) and strategically placed rubber surfaces, the F6 is built like a tank, and underwent many reliability and rigidity tests to ensure flawless performance. The F6 also features a variety of exciting, innovative control options such as a customizable function button, 41 custom settings, built-in data back functions, shooting data memory and compatibility with a new Multi Power Battery Pack MB-40. This new power pack boosts the camera's framing rate from a native 5.5 frames per second to a full 8 frames per second, allowing Nikon engineers to reduce the size of the F6 significantly from the F5. Last, Nikon engineers successfully subdued the camera's operational sounds by using a professional echoic chamber to measure sound and vibration meticulously and then craft the camera with parts that have been highly refined for absolute minimum vibration, and frequency of movement attenuated to a level below that detectable by the human ear.



Camera Ergonomics

In their quest for new levels of ergonomic achievement, Nikon left no part of the camera's exterior ignored. The first time you handle the F6, you're seduced by the strikingly comfortable, ergonomic design. Every curve, every undulation has been accomplished through advanced computer-aided design. But that's just the tip of the iceberg. Nikon spent unprecedented amounts of time sculpting the contours of the grip, to ensure greater comfort and balance in the hand even during extended use.

The button and dial design and layout are every bit as intelligent as they are attractive.



Built to Last

To ensure the high level of durability you expect from a Nikon F series SLR, the F6 has been subjected to rigorous testing. Even the lubricants applied to gear parts are carefully tested to assure peak performance in extreme temperatures and high humidity. The F6's astonishing reliability is a function of Nikon's "right material for the right place" approach.

Our engineers considered countless situations of potential camera use, then submitted the F6 to real-life testing to ensure exceptional dependability wherever and whenever you shoot. Imagine, as a photographer, the places or conditions in which you are most concerned about the toughness of your photographic tools. Now look at the F6 — an aluminum alloy die-cast chassis; magnesium-alloy front body and covers (top, bottom); strategically placed rubber surfaces; an easy-to-grip texture, and a shutter that has undergone testing to assure accurate release up to and beyond 150,000 cycles. The F6 features the strength, rigidity and durability to perform whenever you need it. Put it to the test and see for yourself.



11-Area High-Speed Autofocus System

Featuring 11 AF sensors — including nine cross-type sensors which cover the greater part of the viewing area — the Multi-CAM2000 AF sensor module responds quickly and delivers razor-sharp focus even in the most challenging situations. The cross-type sensors function with all AF Nikkor lenses with a maximum aperture of f/5.6 or faster, and enable enhanced small or low-contrast subject detection. Furthermore, large sensors help make possible smooth, swift AF operation with markedly wider defocus detection capability.

Dynamic AF Operation

Even when shooting a moving subject, the F6's Dynamic AF ensures highly precise focusing, by shifting rapidly to the focus area to which the subject has moved. In Dynamic AF mode, one of three available modes, you can assign top priority to the most suitable focus area for your composition. Engage Closest-Subject-Priority Dynamic AF mode to have the F6 select the appropriate area for you. For optimum results when attempting to capture a moving subject, use Group Dynamic AF mode. Select several adjacent focus areas (center, top, bottom, left, right), and the camera automatically focuses on the center focus area of the selected areas.

3D Color Matrix Metering

The F6's 3D Color Matrix Metering offers enhanced precision thanks largely to an improved scene-detecting algorithm. It analyzes numerous aspects of the scene conditions — including brightness, contrast, selected focus area, subject-to-camera distance and color — and compares them to the reference information of more than 30,000 actual scenes in the database, ensuring super-precise exposure control and faithfully preserving the ambience of the scene.

Flexible Center-Weighted and Spot Metering

Nikon's own flexible center-weighted metering provides you with the option of selecting the size of the sensing area in Custom Settings. Spot metering changes to correspond with the focus area you've selected.

New Levels of Precision

High-Precision Shutter Unit:

No shutter unit in any other camera comes close to matching the precision of the F6's assembly. Created from cutting-edge materials — DuPont Kevlar and a special aluminum alloy — the blades of the shutter unit offer unparalleled reliability and are extremely lightweight, for lightning-quick movement. For enhanced accuracy, during shutter unit development, the movement of the blades is carefully analyzed using a high-speed video camera and computer simulations, enabling unprecedented precision even at shutter speeds of up to 1/8,000 second. Shutter accuracy is maintained by the Shutter Monitor, which scrutinizes every single shutter release. Should the shutter speed vary even slightly from the calibrated speed, the camera automatically compensates to maintain accurate exposure.

High-Speed Mirror Balancing:

A sophisticated mirror balance mechanism reduces the time required to lower the mirror. The F6's Mirror Balancer, in addition to minimizing mirror bounce, extends viewing time, allowing more time for AF operation — this is one reason the F6 can offer autofocus and Focus Tracking at motor speeds of up to 8fps, shot after wonderful shot. In conjunction with the bright, easy-to-view 0.74x viewfinder, the Mirror Balancer provides distinct advantages that give you sharper views whenever and wherever the moment happens to occur.

Minimized Operational Sound and Vibration:

Nikon engineers were so intent on subduing the camera's operational sounds that they used a professional audio room to properly gauge the sound quality and frequency. The degree to which every part of the camera would be subjected was measured. The implementation of floating-type designs for the shutter unit, aperture control mechanics and shutter charge motor have significantly suppressed internal vibrations. This approach has resulted in virtually noise-free movement, diminished to levels unheard of with other SLR cameras. The F6 has been refined for absolute minimum vibration, to levels below detection by the human ear.

Highly Efficient Mechanics:

The F6 marks the first time 3D computer movement analysis has ever been applied to an SLR. This technique reveals the degree of power distributed to or generated by particular components in specific directions. This made it possible for Nikon to optimize the mechanical operation of the camera with fewer parts, leading to lower power consumption and higher durability.

Exposure Modes

- ◆ Programmed Auto (P) mode offers automatic shutter speed and aperture settings. In Flexible Program, rotate the Main-Command Dial to choose settings other than those automatically selected.
- ◆ Shutter-Priority Auto (S) lets you manually set shutter speeds ranging from 1/8,000 to 30 seconds.
- ◆ Aperture-Priority Auto (A), you can choose from available apertures in 1/3 EV steps. For complete control over exposure settings, select Manual (M) mode.
- ◆ Manually control exposure compensation from +5 EV to -5 EV in 1/3 EV steps.
- ◆ Automatic Bracketing allows you to shoot the same scene two or three times at exposure values differing in increments of 1/3, 1/2, 2/3, or 1 EV.

NIKON

F6

Multiple Power Sources



Multi Power
Battery Pack MB-40

The F6's standard power source, two CR123A 3v lithium batteries, enables high-speed film advance at 5.5 fps. Or you can go with the optional, multifaceted Multi Power Battery Pack MB-40 that offers up to 8 fps film advance. It requires either eight AA-size batteries or the EN-EL4 Lithium-ion Battery. The MB-40 also offers outstanding vertical shooting operation, as it incorporates a shutter release button, AF Start button, Multi-selector and Command Dials.

Film Advance Modes

Four modes are available: Single (S), Continuous Low-Speed (CL) for up to approximately 2 frames per second (fps), Continuous High-Speed (CH) for up to 5.5 fps (or 8 fps with optional Multi-Power Battery Pack MB-40), and Continuous Silent (CS) for nearly silent operation at approximately 1 fps.

Databack Functions

Access built-in databack functions easily via the rear LCD panel and Multi Selector. Functions include data imprint (in-frame or between-frame), multiple exposure and interval timer. You also have control over 41 Custom Settings. The recorded data of each shot can be downloaded to your computer as text data via optional Data Reader MV-1, which is equipped with a CF (CompactFlash) card.

Nikon F-Mount

Nikon's legendary lens mount compatibility allows you to use any Nikkor lens in the incredibly deep, varied lineup. Even with older non-CPU lenses, Color Matrix Metering can still be performed after programming the lens' focal length and maximum aperture in the camera's memory. The F6 can store this data for as many as ten non-CPU lenses at a time.

Flash and Lighting

i-TTL Balanced Fill-Flash

The F6 supports the i-TTL Flash Control system, providing outstanding results and myriad creative possibilities. Nikon's Creative Lighting System, the most advanced flash control system anywhere, uses a new algorithm and a brighter, shorter Monitor Pre-flash to lift the precision of i-TTL Balanced Fill-Flash even beyond that of Nikon's acclaimed 3D Multi-Sensor Balanced Fill-Flash systems. Furthermore, the Creative Lighting System allows you to employ advanced flash techniques including Advanced Wireless Lighting and FV (Flash Value) Lock.

Advanced Wireless Lighting

Wireless multiple flash can be performed just as easily as with an on camera Speedlight, affording you the freedom to explore the limitless creative potential of the system. You can also enjoy comprehensive control over scene lighting when using Nikon's i-TTL Speedlights SB-800/SB-600 as they can be separated into as many as four groups (the master* and three i-TTL Speedlight groups). Control independent flash mode settings and adjustment of compensation values for each group's flash output level via the master. To pre-check a scene for illumination and shadows, there's the Modeling Flash function. Each group can comprise as many speedlights as you want, virtually putting you in total command of background lighting.
(*The SB-600 cannot be used as a master unit.)



Flash Value Lock (FV Lock)

Flash Value represents the degree of flash exposure for a given subject. Engaging FV Lock maintains the desired flash exposure during zooming or recomposition, allowing you to concentrate on the scene's lighting.

Auto FP High-Speed Sync

Enables fill-flash photography even in bright conditions at wide apertures with shallow depth of field unhindered by the standard 1/250 second flash sync. Once the mode is activated, the F6's rapid flash synchronization makes available shutter speeds faster than the camera's flash sync speed.

Viewfinder Accessories

DK-17C Optional Diopter Lenses:

Five optional eyepiece correction lenses allow you to adjust the diopter beyond its standard range of -2 to +1m17.95

DK-17 Rubber Eyecup (NIDK17):

Increases viewing comfort and prevents stray light from entering the viewfinder14.95

DK-17A Antifog Finder Eyepiece (NIDK17A):

Features a special surface coating to reduce fogging on the eyepiece.....24.95

DR-5 Right-Angle Viewing Attachment (NIDR5):

Provides an upright, frontward facing image with right-angle viewing. Select a reproduction ratio of 1:1 or 2:1.....184.95

DG-2 Eyepiece Magnifier (NIDG2):

Provides 2x magnification of the central portion of the viewfinder image. Requires optional DK-7 Eyepiece Adapter for attachment to the F659.95

DK-7 Eyepiece Adapter (NIDK7):

Lets you attach the DG-2 to the F69.95



DK-7 Eyepiece Adapter



DG-2 Eyepiece Magnifier ▶



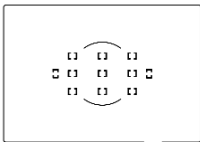
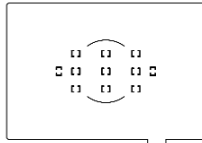
ONE HOUR FREE PARKING

AT 349 W. 34th STREET (with purchase of \$100 or more)

Interchangeable Focusing Screens

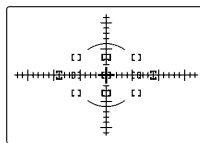
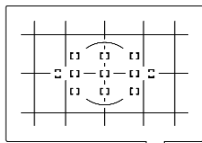
A wide choice of high-quality ground glass screens ideal for manual focusing or compositional aides, without influencing autofocus performance. There are seven types available (B, U, E, M, J, A, and L).

Type B (NIFSBF6):
This standard screen offers unobstructed viewing and easy focusing on its overall matte surfaces...**29.95**



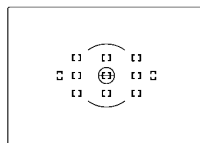
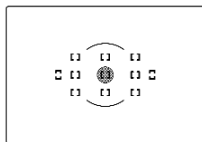
Type U (NIFSUF6):
For lenses with focal lengths longer than 200mm**29.95**

Type E (NIFSEF6):
Grid lines for accurate picture composition of architectural subjects.....**29.95**



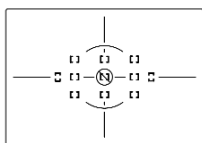
Type M (NIFSMF6):
Cross hair and millimeter scales. For astrophotography & high-magnification close-ups**29.95**

Type J (NIFSJF6):
Equipped with a microprism for use with manual focusing.....**29.95**



Type A (NIFSAF6):
Has a matte fresnel field with split-image rangefinder and microprism collar.....**29.95**

Type L (NIFSLF6):
Same as Type A but with split-image rangefinder line at a 45° angle.....**29.95**



F6 Specifications

- Type of camera: Integral-motor autofocus 35mm single-lens reflex with electronically controlled focal-plane shutter
- Exposure modes: Programmed Auto (Flexible Program possible), Shutter-Priority Auto, Aperture-Priority Auto and Manual
- Viewfinder: Fixed eye-level pentaprism, built-in diopter adjustment (-2.0 to +1)
- Focusing screen: B-type BriteView clear Matte screen II, interchangeable with six other optional focusing screens
- Viewfinder frame coverage: Approx. 100%
- Autofocus: TTL phase detection, Nikon Multi-CAM2000 autofocus module
- Autofocus detection range: Approx. EV -1 to EV 19 (ISO 100, at normal temperature)
- Focus modes: Single Servo AF and Continuous Servo AF, and Manual
- Focus Tracking: Automatically activated in Single or Continuous Servo AF
- Focus area: One — or a group — of 11 focus areas can be selected
- AF Area Modes: Single Area AF, Dynamic AF, Group Dynamic AF or Dynamic AF with Closest-Subject Priority selectable
- Focus lock: Focus is locked by pressing AE-AF-L button or lightly pressing shutter release button in Single Servo AF
- Exposure metering: 3D Color Matrix, Center-Weighted and Spot
- Exposure compensation: ±5 EV range, in 1/3, 1/2 or 1 steps
- Auto Exposure Bracketing: 2-7 shots with 1/3, 1/2, 2/3, or 1 EV compensation steps
- Film speed setting: ISO 25-5000 (DX), or manual ISO 6-6400 in 1/3 steps
- Shutter speeds: 30 to 1/8,000 (1/3 steps in S and M modes); Bulb setting available in M mode (Shutter speed can be prolonged to 30 minutes in M mode)
- Accessory shoe: ISO518 hot-shoe contact digital data communication (sync contact, ready-light contact, TTL auto flash contact, monitor contact, GND), safety lock provided
- Sync contact: X-contact only; flash synchronization up to 1/250 (up to 1/8,000 possible in AUTO FP High-Speed Sync)
- Flash control: TTL flash control by combined five-segment TTL Multi Sensor with single-component IC and 1,005-pixel RGB sensor; i-TTL Balanced Fill-Flash with SB-800/600; Film speed range in TTL auto flash: ISO 25-1000
- Sync terminal: ISO519 terminal, lock screw
- Self-timer: 10-sec. electronically controlled
- Depth-of-field preview button: Press to stop-down lens aperture
- Mirror lockup: Set using film advance mode selector
- Film advance modes: (S) One-frame advance; (CL) Continuous low-speed shooting of 2 fps or 4 fps with MB-40; (CH) Continuous high-speed shooting of 5.5 fps or 8 fps with MB-40; (CS) Continuous silent-low-speed shooting at 1 fps or 2 fps with MB-40
- Film rewind: automatic or manual; rewind speed with 36-exp. film is 7 seconds
- Multiple exposure: Activated via shooting menu
- Interval timer: Activated via menu
- Data imprint: Activated via shooting menu; in-frame, between frame and 0-frame imprint possible:
- Shooting data: Recordable number of film rolls (36 exposures): Approx. 57 rolls in basic shooting data (13 items), Approx. 31 rolls in detailed shooting data (21 items)
- 10-pin remote terminal: Equipped
- Power source: Battery holder MS-41 provided (two 3V lithium batteries); optional Multi Power Battery Pack MB-40 and AA-type battery holder MS-40 (for 8 alkaline, lithium or Ni-MH batteries, or one Rechargeable Li-ion Battery EN-EL4)
- Tripod socket: 1/4" (ISO1222)
- Custom Settings: 41 settings available
- Dimensions: 6.2 x 4.7 x 3.1" (WxHxD)
- Weight (without batteries): 34.4 oz.

NIKON

SPEEDLIGHTS

Creative Lighting Made Easy

Innovative Nikon technology has continuously revolutionized flash photography. Trailblazing innovations like Matrix Balanced Fill-Flash, 3D Multi-Sensor Balanced Fill-Flash, 5-Segment TTL Sensor, Distance Integration and Monitor Pre-Flash have opened new territory in speedlight functionality. Nikon speedlights let you shoot complex lighting situations with confidence, so in dim light, or even where there's no light at all, you can flex your creative muscles and always be assured of great looking pictures.

3D Multi-Sensor Balanced Fill-Flash

The most advanced automatic balanced fill-flash technique. The camera precisely sets the appropriate flash output level using the TTL Multi Sensor which detects the monitor pre-flashes the speedlight flashes to 'test' the scene just before making the exposure.

Matrix Balanced Fill-Flash

In this technique, the matrix meter adjusts exposure for the background and then the flash exposure is controlled. This is done to balance the flash illumination so that it doesn't overpower the foreground subject.

Slow Sync

Slow sync extends the automatically controlled shutter speed range, thus enabling the background details to stand out.

Rear-Curtain Sync

Rear-curtain sync turns available light into a stream of light that follows the flash-illuminated subject. This is especially effective at slow shutter speeds.

Red-Eye Reduction

Red-eye reduction lamp lights up in advance to contract the subject's pupils, thus reducing the appearance of red-eye.

FP High-Speed Sync

With this feature, the flash output continues once the shutter curtain opens until it is fully closed. This allows flash synchronization with shutter speeds from 1/250 to 1/4000 sec.

AF-Assist Illuminator

Nikon AF Speedlights incorporates an autofocus illuminator which projects an LED pattern of light on the subject making it possible to take sharp autofocus pictures even in total darkness.



SB-30

The SB-30 is a versatile speedlight that offers photographers creative lighting ability in a simple, compact, and lightweight design. Weighing only 3.2 ounces, the SB-30 was designed to be ultra-compact, so that photographers could keep it on the camera nearly all the time, matching the advantages of a built-in speedlight. Plus, its automatic features offer creativity, while built-in slave flash sensor makes it an excellent second or third flash for multiple flash photography. Compact, lightweight and versatile TTL speedlight, the SB-30 is ideal as a primary flash for wide-aperture fill flash scenarios where not much pop is needed, or for macro work.

- ◆ Works seamlessly with Nikon SLR cameras that feature TTL control, all digital SLR cameras, and select Coolpix cameras
- ◆ To make it less obtrusive, the flash's shoe allows the flash to be rotated down by 50°, nearly flush with the camera top.
- ◆ Flash can be rotated down by 50°, nearly flush with the camera top. The downward tilt makes it well suited for on-camera close-ups (up to 3.3' from the subject).
- ◆ A safety lock system ensures that the SB-30 is tightly fastened to the camera in use.
- ◆ The SB-30 covers a wide-angle area of 28mm, and can cover up to 17mm with the built-in wide flash filter.
- ◆ Has a guide number of 52 (at 28mm setting, ISO 100), and a recycle time of four seconds in full power manual mode (with fresh batteries).
- ◆ At 3.2 ounces, you can mount this speedlight on a camera and shoot comfortably, without noticing a significant change in camera weight and handling.
- ◆ Encapsulated in the SB-30 is an advanced circuitry that provides users with features typically found in higher-end flash units.
 - Built-in wireless mode lets the SB-30 fire synchronously, triggered from as far as 23' (auto mode) or 131' (manual mode) by other speedlights.
 - Using its built-in infrared filter, the SB-30 can act as a remote commander for triggering other Nikon speedlights during a multiple flash set-up.

SB-30 Speedlight (NISB30)84.95



NIKON

SB-50DX



The SB-50DX is a high-performance, compact and lightweight flash that offers photographers enhanced creative flash performance that's easy! Designed to expand the creative picture-taking capabilities of Nikon 35mm and professional digital SLR cameras, the SB-50DX simplifies otherwise complex processes. When used with a Nikon N75 or N80, it provides a variety of features that complement the camera's built-in speedlight. The

SB-50DX can serve as a bounce flash, an extra-wide flash using its adapter for 14mm wide-angle coverage, TTL wireless slave flash, as an infrared remote commander to trigger off camera wireless TTL or manually controlled speedlights, and for close up shooting, as well. Features 3D Multi-Sensor Balanced Fill-Flash capability, a GN of 72 (ISO 100/feet) at 35mm position, and minimum recycling time of 3.5 seconds.

- ◆ Guide Number of 72 (ISO 100/feet) at 35mm position when used as accessory speedlight. Combined Guide Number of 82 (ISO 100/feet) when used in combination with N80 or N75's built-in speedlight.
- ◆ Operates in combination with Nikon's built-in SLR speedlights for an easy two-light on camera TTL flash system. The SB-50DX in bounce position and built-in speedlight operating with TTL precision provides more reach or supplemental bounce illumination.
- ◆ Up to 260 flashes in full Manual mode with 2 CR-123A lithium batteries
- ◆ Auto-zoom (24 to 50mm) flash head tilts up 90° for bounce flash or down to -18° for close up shooting (up to 11.8 inches).
- ◆ AF-Assist Illuminator automatically fires an LED beam toward the subject to augment dim light or dark conditions.
- ◆ Slow and Rear-Curtain Sync controlled from the camera automatically sets the shutter from 30 seconds to the highest sync speed.
- ◆ Ready-light indicates charge level; flash button for test firing; 14mm wide flash adapter and diffuser for bounce operation
- ◆ 3D Multi-Sensor Balanced Fill-Flash with F5, F100, N90s and N80 35mm AF SLRs
- ◆ Built-in flash compensation from +/-3 EV in 1/6 EV steps (digital)
- ◆ Can be used as a wireless slave flash with TTL Auto Control in multiple flash set-up, or used on camera to trigger other Nikon TTL speedlights using the supplied SW-91R Infra-red filter. (Effective range up to 23' in auto mode, 130' in manual mode).
- ◆ Safety lock prevents the SB-50DX from accidentally slipping off the camera's flash shoe.

SB-50DX Speedlight (NISB50DX).....164.95

SB-600

i-TTL Shoe Mount Flash

Featuring Nikon's next generation *i-TTL* flash control technology, the versatile SB-600 delivers automatic balance fill-flash and advanced wireless lighting capabilities for outstanding results and creative possibilities. (The SB-600 is also seamlessly compatible with the D70 digital SLR camera's built-in speedlight as well as the D2H professional digital SLR. The SB-600 effectively integrates with the SB-800 Speedlight, both individually and in arrangements of multiple SB-600/800 speedlights, offering consistent *i-TTL* control for automatic and accurate lighting for creative and complex situations. Designed for a variety of users ranging from experienced and amateur photographers to beginning enthusiasts, the SB-600 incorporates a host of new features designed to make flash photography simple, accurate and creative.

The SB-600 speedlight features wireless TTL technology first introduced with the SB-800 Speedlight. Photographers using the SB-800 as the Controller can employ up to three groups of compatible Speedlights, with any quantity of compatible SB-600 and SB-800 speedlights within each of the three groups, to achieve Advanced Wireless *i-TTL* exposure control. Most major functions of the SB-600 can be controlled remotely by the master SB-800. The SB-600 can be remotely controlled either in *i-TTL* mode or manual mode for maximum creativity. In addition to the wireless capabilities, the SB-600 offers a host of additional features for Nikon's Creative Lighting System.



NIKON

SB-600 con't

- ◆ Includes support for Nikon Advanced wireless TTL operation, and can function as a remote flash when controlled by the SB-800 or the D70 digital SLR's built-in speedlight. Additionally, the SB-600's Auto FP High Speed Sync Mode allows it to fire at up to 1/8000 second shutter speed when used with the D2H digital SLR camera.
- ◆ Built-in modeling flash fires a stroboscopic burst of light for approximately one second, allowing photographers to visually confirm lighting and shadow effects before shooting.
- ◆ Offers a full manual mode with power ratios from full power to 1/64 power, in 1/2 step increments for independent flash output control and creative lighting effects.
- ◆ Custom settings allow you to personalize the speedlight according to selected preferences.
- ◆ Equipped with a wide area illuminator that assumes autofocus assist functions in low light conditions. The Illuminator covers all AF-points in all Nikon SLR cameras, giving photographers the freedom to compose their shots creatively and shoot with confidence.
- ◆ Compatible with all Nikon digital and film SLR cameras, achieving performance that is limited by each camera's capability:
 - Will realize full i-TTL control when used with the D2H or D70 digital SLR cameras
 - D-TTL control and Auto Aperture Flash (AA) when used with Nikon digital SLR cameras.
 - The SB-600 offers TTL and non-TTL Auto Flash control when used with all Nikon film SLR cameras.
- ◆ LCD provides large, easy to read graphics, and ergonomic control design makes buttons and switches simple to access and use.
- ◆ Optional accessory filters for special color effects and emulation of fluorescent and incandescent lighting are available. The SB-600 is compatible with Nikon's SJ-1 Color Filter Set—eight color filters, including filters for balancing tungsten lighting, fluorescent lighting, red, blue, yellow and amber for special effects
- ◆ Additional features include a rotating flash head which tilts horizontally and vertically, front and side ready-light indicators for easy viewing, and a locking flash shoe.

SB-600 (NISB600)194.95

SB-800

The ultimate speedlight for photographers requiring maximum automation, integration, and control, the SB-800's i-TTL system supports advanced wireless lighting and versatile functions for up to four groups of speedlights, with three remote SB-600/SB-800's controlled through the master SB-800. i-TTL (intelligent-through-the-lens) Balanced Fill-Flash flash control employs Nikon's Advanced Data Communication system to introduce an improved method for the monitor pre-flash and wireless operation—making wireless multiple flash photography as automatic as a single on-camera speedlight.



Automatic Wireless Multi-Flash

At the heart of the Nikon Creative Lighting System is the advanced data communications technology, which provides complete control of any number of remote speedlights from the camera position. You can independently manage up to four groups of remotely positioned SB-600/SB-800 Speedlights from and SB-800 operating as the master controller, attached via the SC-29 AF Off-Camera TTL cord.

- ◆ With all groups set for i-TTL the camera measures pre-flash information from each group and determines the exposure virtually instantaneously for maximum automation and ease of use.
- ◆ Select a different flash mode for each group—including master controller) for lighting control based on the brightness of the subject and not on general output ratios for each group—manual mode for one, AA (Aperture Auto) for another, Flash Compensation with i-TTL for the third, i-TTL for the master controller—and adjust settings for each from the camera position.
- ◆ Auto flash control is set to match the camera body: i-TTL Balanced Fill-Flash control with the D2H, D-TTL Balanced Fill-Flash control and Auto Aperture Flash (AA) with D1 Series and D100 digital SLR cameras, and TTL and Non-TTL Auto Flash (A) with film cameras
- ◆ A flash version of AE (Auto Exposure) Lock, FV (Flash EV) Lock lets you change the composition or zoom for the shot while maintaining desired lighting of the subject. Operates in i-TTL and AA modes, as well as FP mode, and with all wireless SB-800 groups.

Additional Features

- ◆ Built-in wide-area AF Illuminator is compatible with every AF Nikkor lens
- ◆ Distance Priority manual flash mode, for automatic power setting of manual mode flash based on f/stop, distance and ISO. A great feature for manual flash [M] shooting at weddings and for product shots
- ◆ Modeling flash for preview of flash effects
- ◆ Custom settings for greater control
- ◆ GN 184 (ft. at ISO 100) at 105mm
- ◆ ±3 EV flash compensation in 1/3 EV steps
- ◆ Super-large dot matrix LCD with graphical user interface offering easy-to-read graphics
- ◆ Supplied SD-800 Quick Recycling Battery Pack adds a fifth battery to shorten recycle time to as little as 2.9-seconds
- ◆ Supplied SJ-800 Color Filter system includes TN-A1 tungsten and FL-G1 fluorescent filters. Also includes AS-19 stand, soft case and SW-10H Diffusion Dome.

SB-800 (NISB800)319.95



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NIKON

SPEEDLIGHT ACCESSORIES

SK-6 Power Bracket (NISK6)

External power unit and mounting bracket combination. Reduces flash recycling by half while nearly doubling the amount of available flashes. Offers convenient, adjustable side-mounted handle for entire camera/speedlight system, or for creative lighting effects when unit is detached from camera. Camera, flash and all other necessary connections are made within this single unit. Requires 4 AA batteries. Compatible with the SB-800 and F5, F100, N80 and N75.....**264.95**



SU-4 TTL Wireless Slave Flash Controller (NISU4SG2)

Attached to any current Nikon Speedlight and many previous models, the SU-4 enables wireless remote slave flash with automatic TTL or manual exposure control. The SU-4 detects the firing of the master flash (including built-in speedlights) and sends firing start signal to the slaved unit. The SU-4 stops the firing of the slaved flash by detecting the firing stop of the master flash. Eliminates the use of connecting cords. Operates up to 23' from the location of the main flash.....**74.95**



SK-7 Bracket: For SU-4 Wireless Slave Flash Controller. Allows you to position camera and SU-4 side by side..**19.95**



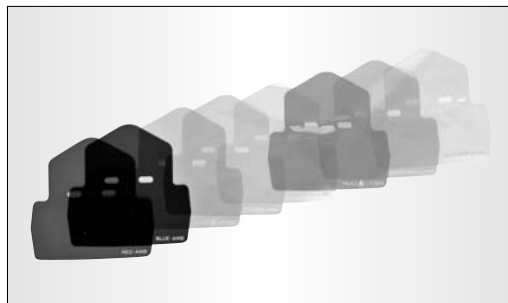
SD-7 DC Power Supply (NISD7)

Operates on six C-type batteries and offers a separate power source for the SB-800 and optional SK-6 Power Bracket. Shortens flash recycling and dramatically increases flash capacity. Includes SC-16 Power Connecting Cord.....**129.95**



SD-8A High Performance Battery Pack (NISD8A)

Shortens flash recycling time by as much as 60 to 75% and more than doubles flash capacity. Operates on 6 AA alkaline, lithium or nicad batteries. Compatible with the SB-800 Speedlite as well as the SK-6 Power Bracket.....**119.95**

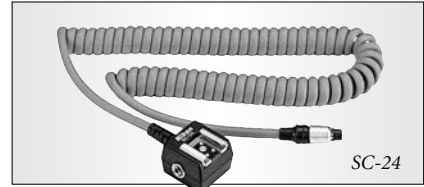


SJ-1 Color Filter Set (NISJ1)

Includes 20 color-balancing filters developed for Nikon cameras and designed to either compensate for flash or to add creative expression: TN-A1 and TN-A2 Tungsten Balancing and FL-G1 and FL-G2 Fluorescent Balancing in clear, red, yellow, blue, and amber. Compatible with the SB-50DX, SB-600 and SB-800.....**19.95**

SC-24 TTL Cord (NISC24)

For TTL flash control when using the F5 and DW-30 or DW-31 finders. (It ONLY fits the above mentioned viewfinders which have a dedicated terminal specific to this cord. SC-18/19 cords can be used as extensions from the shoe-end of the SC-24**59.95**



SC-26 and SC-27 TTL Multi-Flash Sync Cords

Use these cords to connect TTL flash units to each other or through the AS-10 TTL Multi-Flash Adapter or SC-28 TTL Remote Cord for multi-flash operation. SC-26 is 5' long, the SC-27 is 10' long.
NISC26.....**29.95** NISC27.....**39.95**

SC-28 TTL Remote Cord (NISC28)

A 3' coiled cord that connects multiple SB-600 and SB-800's to Nikon SLRs with a standard ISO accessory shoe (F5, F100, N80, N75). Up to two units can be connected to the SC-28's terminals via the SC-26 or SC-27 TTL Multi-Flash Sync Cord for TTL multi-flash photography.....**54.95**

SC-29 Off-Camera TTL Cord (NISC28)

The SC-29 mounts to the camera's hot shoe, enabling an attached SB-600, SB-800 flash to accurately autofocus in low light when placed on a flash bracket, for beautiful shadowless lighting. The cord incorporates an AF illuminator at the mounting point that overrides the SB-600/SB-800's AF Illuminator eliminating any discrepancies when using them off-camera.....**74.95**



AS-19 Speedlight Stand (NIAS19)

Lets you set up your flash on any flat surface. Compatible with all Nikon flashes except the SB-29s.....**7.95**

NIKON

SB-29s

CAMERAS & LENSES

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Macro Speedlight

This speedlight lets you use TTL automatic exposure for shadowless wrap around macro photography. Two built-in flash modules provide full-surround illumination, so you can flawlessly capture the details of the world in miniature, without distracting shadows. This flexible unit lets you adjust the flash output to have either the right or left modules flash, or both together. You can even set the flash output balance (left:right, right:left) to 1:4. Moreover, modeling flash mode lets you see through the viewfinder what effect the flash will have on your scene before you take the shot.

- ◆ TTL automatic control with Nikon F5, F100, N80 and N75; Non-TTL automatic control; manual control (full, 1/2, 1/4, 1/8 and 1/16 output)
- ◆ Guide Number 112 (with zoom head set at 50mm)
- ◆ Convenient focus illuminator ensures pinpoint focus adjustment, and a wide illumination panel lets you shoot flash-to-subject distances closer than 1.6".
- ◆ Two flash tubes provide extremely accurate TTL flash control during ultra close-up photography
- ◆ Main unit can be attached to controller on top of hot shoe; flash brightness can be reduced down to 1/4 power; modeling flash mode lets you see what effect the flash will have on your scene before you shoot.
- ◆ Easy-to-read reproduction-ratio scale on back of the controller is matched to Micro Nikkor lenses
- ◆ Multiple flash compatibility includes: SC-26 and SC-27 cords and SU-4 Wireless Slave Flash Controller for TTL operation.
- ◆ Powered by 4 AA alkaline, lithium, nicad or NiMH batteries

SB-29s (NISB29S).....IMP. 334.95 /USA 359.95

Remote Control Accessories for the F5 and F100

Nikon remote controls let you stay out-of-sight while your camera stays within range. Now you can shoot without disturbing the action.



ML-3 Modulite Remote Control Set (NIML3)
The ML-3 is a 10-pin auto triggering device with delayed shutter release for the F5 and F100. The ML-3 offers remote control for two separate channels via an infrared LED beam, enabling automatic operation from a distance of up to 26'. Auto triggering, delayed shutter release, single and continuous shooting are possible. Transmitter is powered by two AAA batteries, the receiver by the camera**169.95**

MC-20 Remote Cord with Timer (NIMC20)
Enables remote firing (2.6' locking electronic cable release) and long time-exposures settings (up to 10 hours) for the F5 and F100. An illuminated LCD panel counts exposure time up or down. Provides both B and T operation**104.95**

MC-30 Remote Cord (NIMC30)
A 32" standard (10-pin) remote release cord that enables remote firing of a camera with trigger-lock function**54.95**



MC-21 Extension Cord (NIMC21)
The MC-21 is a 9.9' extension cord that's used with the MC-20, MC-30 or MC-22**63.95**



MC-23 Connecting Cord (NIMC23)
The MC-23 is 1.3' cord for connecting two cameras for simultaneous or synchronized shutter release.....**49.95**

MC-25 10-Pin Adapter Cord (NIMC25)
An 8" adapter cord, the MC-25 enables use of two- or three-pin Nikon remote accessories like the MC-12B with the 10-pin remote terminal of the F5 and F100**59.95**

MC-12B Remote Trigger Cord (NIMC12B)
Equipped with convenient handgrip, trigger release button and trigger lock lever, the MC-12B provides remote control photography up to 2.6' away. Depressing the button halfway turns on the camera's exposure meter, depressing fully, releases the shutter. Trigger lock enables time exposures (F5 and F100 require the MC-25 Adapter Cable).....**49.95**



NIKON CLOSE-UP ACCESSORIES

Close-up Attachment Lenses

Nikon's easy-to-use close-up lenses screw directly into the front thread of your lens—a simple, easy way to increase magnification. Even when attached, you can still use automatic exposure control and TTL metering. To improve image contrast and reduce flare, lenses are treated with Nikon Integrated Coating.



Close-up lenses 1 and 2 are for lenses with a focal length up to 55mm. 3T, 4T, 5T and 6T are two-element achromatic lenses that ensure a high image quality. 3T and 4T work best with 85mm to 200mm lenses, and 5T and 6T with lenses from 70mm to 210mm. 5T and 6T have a 62mm front attachment size; all others 52mm.

The higher the lens numbers, the closer you can focus. For the prime lens, the longer the focal length the greater the reproduction ratio you can obtain. Use singularly or in combination.

- 52mm #1 Close-up Lens (NICUL152)36.95
- 52mm #2 Close-up Lens (NICUL252)36.95
- 52mm #3T Close-up Lens (NICUL3T52)36.95
- 52mm #4T Close-up Lens (NICUL4T52)36.95
- 62mm #5T Close-up Lens (NICUL5T62)46.95
- 62mm #6T Close-up Lens (NICUL6T62)46.95

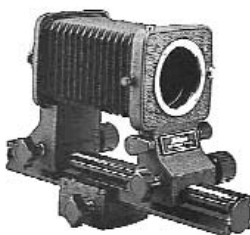
PK/PN Auto Extension Rings



Nikon's Auto Extension Rings mount on or off your camera in seconds for a wide range of reproduction ratios. They fit between the camera body and lens either alone or in combinations, and retain automatic diaphragm and meter coupling with Nikon lenses. This means you can compose, focus and meter at the brightest fullest aperture position without having to manually stop down the lens before shooting. They also allow automatic exposure control.

- PN-11 (NIPN11)96.95
- PK-11A (NIPK11A)59.95
- PK-12 (NIPK12)59.95
- PK-13 (NIPK13)62.95

Bellows Focusing Attachment and Accessories



PB-6 Bellows Focusing Attachment (NIPB6):

A real gem of the Nikon close-up photography system is the superbly crafted PB-6. A twist of the knob lets you vary the lens extension at will, producing frame-filling images of the most minute subjects. Provides continuously variable extension from 48mm to 208mm. The PK-12 Auto Extension Ring is required when the PB-6 is used with the F5.....229.95

PB-6D Bellows Spacer (NIPB6D)

Enables you to move an F5 on the PB-6 rail without interference. The PB-6D also allows horizontal/vertical changeover anywhere along the rail. Two PB-6Ds are needed with the PB-6; three are needed when using the PB-6E53.95

PB-6E Extension Bellows (NIPB6E)

Attaches to the PB-6 for magnification to an astounding 23x life-size when using a 20mm wide angle lens in reverse position.....159.95

PS-6 Slide Copying Adapter (NIPPS6)

Used with the PB-6 and a Nikkor lens to make duplicate slides. Cropping of the original is possible129.95

PB-6M Macro Copy Stand (NIPB6M)

A stand for small items that attaches to the PB-6 Bellows Focusing Unit.....44.95

PG-2 Focusing Stage (NIPG2)

Simplifies close-up focusing when using a camera or camera plus motor drive mounted on a tripod149.95

BR-2A Macro Adapter Ring (NIBR2A)

Fits between the camera and lens to enable reverse-mounting of lenses. It is an inexpensive means of obtaining a relatively high reproduction ratio. The BR-2A also increases the working distance for normal or wide angle lenses. The BR-2A is compatible with lenses that have a 52mm front attachment size23.95



BR-5 Macro Adapter Ring (NIBR5)

Needed when using the BR-2A Macro Adapter Ring with lenses that have a 62mm front attachment size.....23.95

BR-3 Adapter Ring (NIBR3)

Converts the bayonet mount of reverse mounted lenses to the 52mm thread used for filters and hoods23.95

ES-1 Slide Copying Adapter (NIES1)

The ES-1 enables duplication of 35mm film. It attaches to the Micro-Nikkor 55mm f/2.8 lens, or to the AF Micro-Nikkor 60mm f/2.8D lens with an optional BR-5 Ring.....49.95



AR-7 and AR-10 Double Cable Releases

The AR-7 and AR-10 Cable Releases provide the PB-6 with automatic diaphragm control, even for a lens in the reversed position.

AR-7 (NIAR7): For the FM10, FM3a, N55, N75, and N80 cameras42.95

AR-10 (NIAR10): For the F5 and F100. Requires the optional MC-25 Adapter Cord67.95

NIKON

AF NIKKOR LENSES

When it comes to choosing photographic equipment, perhaps the most important decision a photographer faces is which lens system to use. For the majority of professional photographers, that choice is simple: Nikkor. The reasons for this are many, not the least of which is Nikon's total commitment to controlling every aspect of lens manufacturing. This no-compromise attitude toward manufacturing extends performance. For each Nikkor lens is designed to function seamlessly with Nikon SLRs. This is exemplified most clearly in the legendary Nikon F mount. Even the most advanced Nikkor lenses incorporate this standard for its consistency and reliability. This design also ensures that when Nikon introduces new cameras with revolutionary features such as 3D Color Matrix Metering and Multi-Sensor Balanced Fill-Flash, you'll always have an array of lenses available to handle these advances.



AF D-type Nikkor Lenses

AF Nikkor D-type lenses are special because they relay subject-to-camera distance information to AF Nikon camera bodies that use the information. This makes possible new technologies like Nikon's 3D Color Matrix Metering and 3D Multi-Sensor Balanced Fill-Flash.

Aspherical Lens Elements

Nikon introduced the first photographic lens with aspherical lens elements in 1968. Aspherical lenses minimize the problem of coma and other types of lens distortion—even when used at the widest aperture. They are particularly useful in correcting the distortion in wide-angle lenses. In addition, use of aspherical lenses contributes to a lighter and smaller lens design.

ED Glass

Nikon developed ED (Extra-low Dispersion) glass to make telephoto lenses that offer superior sharpness and color correction by minimizing chromatic aberration. (Chromatic aberration is a type of image and color distortion that occurs when light rays of varying wavelengths pass through optical glass). ED lenses deliver stunning sharpness and contrast even at their largest maximum apertures.

Nikon Integrated Coating (NIC)

To enhance the performance of lens elements, Nikon employs sophisticated multi-layer coating to help reduce ghost and flare to negligible levels. Nikon Integrated Coating (NIC) minimizes reflections over a wide wavelength range, and enhances color balancing. It is carefully integrated into the design of each Nikkor lens type, with the coatings calculated to match the lens type and glass.

Close-Range Correction System

Providing superior picture quality at close focusing distances and increasing the close focus range, the Close-Range Correction (CRC) system is one of Nikon's most important focusing innovations. With CRC, the lens elements are configured in "floating element" design wherein each lens group moves independently to achieve focusing. This ensures superior lens performance even when shooting very close.

Internal Focusing

Imagine being able to focus a lens without it changing in size. Nikon's IF technology enables just that. All internal optical movement is limited to the interior of the non-extending lens barrel. This allows for a more compact, lightweight construction as well as a closer focusing distance.

Rear Focusing (RF)

With Nikon's Rear Focusing (RF) system, all the lens elements are divided into specific groups, with only the rear lens group moving to conduct focusing. As with IF, this technique makes autofocus operation smoother and faster.

AF-S Technology

AF-S lenses feature Nikon's Silent Wave Motor (SWM) which converts "traveling waves" into rotational energy to focus the optics. This enables high-speed autofocus that's extremely accurate and quiet.

M/A Mode

AF-S lenses also feature Nikon's exclusive M/A mode, that allows switching from autofocus to manual operation with virtually no time lag – even during AF servo operation.

Vibration Reduction System

Stability is critical for telephoto and close-up photography. Nikon Vibration Reduction (VR) technology automatically compensates for camera shake to ensure sharp pictures at slower shutter speeds. If you can steadily hand-hold at 1/125 second, VR will enable you to shoot at about 1/15 second. The system even automatically detects and compensates for panning when the camera is following a moving subject.

AF DC-Nikkor Lenses

A set of unique lenses for unique portraits, exclusive AF DC (Defocus-image Control) technology allows photographers to control the degree of spherical aberration in the foreground or background by rotating the lens' DC ring. This will create a rounded out-of-focus blur that is ideal for portrait photography.

NIKON

AF NIKKOR LENSES

FISHEYE and ULTRA WIDE ANGLE LENSES

AF 14mm f/2.8D ED (NI1428DAF)

Fast, ultra wide angle lens offers a 114° angle of view. Ideal for shooting interiors, real estate, landscape or special effects. Rectilinear design renders images that are amazingly true and undistorted. ED glass and two aspheric lens elements provide superior image quality and compact size, as well as minimized distortion and aberration. A/M switch for quick shifting from automatic to manual focusing. Built-in lens hood minimizes ghosting and enhances contrast. Includes CL-S2 soft case. Filtering is possible using the integrated gelatin filter holder.....IMP. 1229.95 /USA 1399.95

AF Fisheye 16mm f/2.8D (NI1628DAF)

Full frame 180° fisheye coverage with D-type autofocus lens technology. Delivers high-contrast images even at full aperture. CRC system provides high performance at both near and far focusing distances. Super Integrated Coating minimizes flare and ghosting. Filter size is 39mm bayonet.....IMP. 599.95 /USA 729.95



AF 18mm f/2.8D, top
AF 14mm f/2.8D ED, bottom

AF 18mm f/2.8D (NI1828DAF)

Compact ultra wide angle with aspherical lens element and rear focusing capability, the AF 18mm f/2.8D's outstanding image correction quality makes it ideal for architecture and landscape photography. Superb center-to-edge sharpness with excellent control of distortion and aberration. Includes CL-47 case and HB-8 hood. Filter size is 77mm.....IMP. 959.95 /USA 1299.95

AF 20mm f/2.8D (NI2028DAF)

Compact ultra wide angle lens, the AF 20/2.8D features Close Range Correction (CRC) to provides high performance at both near and far focusing distances. Delivers distortion-free pictures as close as 0.85". Superb optical design for architecture, wedding and landscape photography. Nikon Integrated Coating for minimized flare and ghosting. Filter size is 62mmIMP. 439.95 /USA 479.95

USA= Imported & Warrantied by Nikon USA
IMP. = Imported & Warrantied by B&H (not qualified for Nikon USA rebates and warranties)

WIDE ANGLE and NORMAL LENSES

AF 24mm f/2.8D (NI2428DAF)

Compact and lightweight, the AF 24/2.8D is ideal for candid and landscapes. Close Range Correction system provides high performance at both near and far focusing. 52mm filter sizeIMP. 279.95 /USA 299.95

AF 28mm f/2.8D (NI2828DAF)

Standard wide-angle lens for general photography, the AF 28/2.8D is exceptionally light, weighing only 7.4oz. Wide 74° coverage lets you take candid, portraits and travel photos. 52mm filter sizeIMP. 199.95 /USA 224.95

AF 28mm f/1.4D (NI2814DAF)

Compact lens with Nikon's Rear Focus system for fast, smooth autofocusing. Exceptionally large aperture makes it perfect for low-light photography—indoors or out. Precision ground-glass aspherical lens elements minimize distortion and coma. Filter size is 72mm.....IMP. 1449.95 /USA 1694.95



AF 35mm f/2D (NI352DAF)

Versatile wide-angle lens for a broad range of uses, the fast f/2 maximum aperture make it ideal for low light, hand-held shooting. Perfect for the photographer on the go. Filter size is 52mm.....IMP. 259.95 /USA 299.95

AF 50mm f/1.8D (NI5018DAF)

Compact and very affordable Nikon lens that combines the ease of autofocus operation with advanced Nikon optics. Ideal for scenery or full-length portraits. Steps down to f/22 providing great depth-of-field control. Filter size is 52mm.....IMP. 89.95 /USA 99.95

AF 50mm f/1.4D (NI5014DAF)

A high-speed normal lens, the AF 50mm f/1.4 is great for travel and for shooting full-length portraits in available light. High-contrast and distortion-free images with superb resolution and color, even at maximum aperture. Filter size is 52mm.....IMP. 229.95 /USA 264.95

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NIKON

AF NIKKOR LENSES

MACRO LENSES



AF 105mm
f/2.8D Micro

AF 60mm f/2.8D Micro (NI6028DMAF)

A versatile and compact macro lens, the AF 60mm f/2.8D Micro is ideal for photomicrography, forensic, flora, flat field copy, as well as candids and landscape photography. Close-Range Correction (CRC) system provides high performance at both near and far focusing distances. Continuous focusing from infinity to life-size (1:1). Close-up to approximately 8.6". Filter size is 62mm.....IMP. 339.95 /USA 379.95

AF 105mm f/2.8D Micro (NI10528DMAF)

Medium telephoto macro lens for portrait and other high magnification close-up applications, the AF 105mm f/2.8D Micro provides extra working distance for elusive subjects or ones requiring supplemental illumination. Close-Range Correction (CRC) system provides high performance at near and far focusing distances. Continuous focusing from infinity to life-size (1:1). Close-up to 12.4". Filter size is 52mm.....IMP. 539.95 /USA 649.95

AF 200mm f/4D Micro (NI2004DMAF)

A legendary close-up lens, the AF 200mm f/4D Micro delivers images of striking clarity while providing reproduction ratios of up to 1:1 without additional accessories. Extra Low Dispersion (ED) glass ensures apochromatic-like performance, with high contrast and sharper images, while the extra long focal length provides versatile working distance. Also offers internal focusing and an A/M (Automatic/Manual) switch. Continuous focusing from infinity to life-size. Close-up to 19.4". Filter size is 62mm1324.95



PORTRAIT and TELEPHOTO LENSES



AF 180mm f/2.8D ED-IF

AF 85mm f/1.8D (NI8518DAF)

Compact and lightweight, the high-speed AF 85mm f/1.8D is perfect for indoor or outdoor portrait shooting. RF (Rear Focusing) technology provides fast AF operation. Includes HN-23 lens hood. Filter size is 62mmIMP. 319.95 /USA 384.95

85mm f/1.4D IF (NI8514DAF)

Fast f/1.4 aperture makes this lens a standout for indoor portraits, sports, and all-around photo journalism. The lens' aperture has extra blades, enabling the diaphragm shape to be a near-perfect circle. This ensures crisper images and more flattering highlights in the out-of-focus portion of the image. Internal focusing technology guarantees fast autofocus operation. Includes HN-31 lens hood. Filter size is 77mmIMP. 859.95 /USA 999.95



AF 135mm f/2D

AF 105mm f/2D DC (NI1052DAF)

A fast, medium telephoto, this lens features Defocus-image Control, allowing you to create a rounded out-of-focus blur that is ideal for portrait photography. Large aperture permits shooting in low-light, while the rounded diaphragm opening makes out-of-focus elements appear more natural. Rear focusing technology for fast AF operation. Built-in lens hood. Filter size is 72mmIMP. 769.95 /USA 919.95

AF 135mm f/2D DC (NI1352DAF)

Except for the longer focal length, this lens is identical to the AF 105mm f/2D. A standard telephoto lens, the AF 135mm f/2D also features Defocus-image Control, rounded diaphragm and rear focusing technology for fast AF operation. Built-in lens hood. Filter size is 72mmIMP. 899.95 /USA 1069.95

AF 180mm f/2.8D ED-IF (NI18028DEDAF)

High-performance telephoto lens for sports arenas, concert halls, photo journalism and astronomical photography. This lens uses ED glass elements to ensure high-resolution and high-contrast image even at maximum aperture. Internal Focusing technology for fast AF operation. Has a built-in lens hood. Includes CL-38 hard case. Filter size is 72mm.....IMP. 619.95 /USA 749.95



AF NIKKOR LENSES

TELEPHOTO LENSES

AF-S VR Nikkor 200mm f/2.0G IF-ED (NI2002AF)

Combining fast f/2.0 performance with the precision of 'Super ED' Glass and innovative Vibration Reduction (VR) technology, the AF-S VR Nikkor 200mm f/2G IF-ED lens offers photographers razor sharp images in the most demanding situations. It allows emphasis on subjects in portraits by rendering background elements completely out of focus, or use it for its large aperture, superb clarity and immense potential with VR technology for shooting in low light conditions or from moving platforms.

Super ED glass is a significant new material that is more resilient than typical fluorite lenses. While the optical properties of this new glass closely resemble those of fluorite, Super ED glass is more resilient to rapid temperature changes (thermal shock)—ensuring consistent performance even under extremely harsh shooting conditions. Super ED glass boasts a higher refractive index, making it highly capable of correcting aberrations other than chromatic aberration. Additionally, the unique composition of Super ED glass ensures consistency in optical properties and performance, enabling applications in a variety of lenses including those with very large apertures. The lens incorporates a host of convenient features that are placed within comfortable reach of photographers' natural grip, helping keep their eye on the subject. A switch on the bottom of the lens gives fast access to the AF-L function, which allows a desired focus position to be easily preset. The same switch can also be used to access the AF-ON function enabling more subjective focus with fine manual manipulation. The switch can also activate the lens to revert back to the preset focus position whenever desired. Includes HK-31 lens hood, 52mm drop-in filter holder with NC filter, and LN-1 lens strap.....IMP. 3799.95 /USA 3995.00



AF-S VR Nikkor 300mm f/2.8G IF-ED



The AF-S VR Nikkor 300mm f/2.8G IF-ED is a super-telephoto lens that features Nikon's remarkable Vibration Reduction (VR) technology to achieve sharper pictures in low light or shaky conditions than any other existing technology. Now sports and action photographers can reap the benefits of VR in a focal length they most often use. Coupled with the added advantage of Nikon's new Nano-Crystal AR coat, photographers can expect very sharp, high-contrast images from this lens.

The lens also offers handy access to a control pad on the side of the barrel for seamless usability. A Focus Mode switch enables instant and easy switching between M/A (Manual-Priority Autofocus) and M (Manual Focus) modes, while a Focus Limiter

switch restricts AF-servo movement within a selected shooting distance range. New Focus Preset buttons can instantly recall a preset focal point - a priceless feature when photographers shooting sports need to quickly return focus to a specific location such as a base or a team's goal.

The AF-S VR Nikkor 300mm f/2.8G IF-ED also benefits from Nikon's new Nano-Crystal AR Coat, which demonstrates superior anti-reflective properties to virtually eliminate ghost and flare to provide clear and vivid images when shooting under powerful sunlight or indoors under spotlights.

Other features include Nikon's exclusive SWM (Silent Wave Motor) that combines fast and accurate autofocusing with super-quiet operation, ED glass elements that minimize chromatic aberration, Internal Focusing (IF) for smoother focusing and a better balanced body, as well as a rubber ring on the lens mount that delivers the same level of resistance to dust and drops of water as Nikon's professional cameras such as the F6.

AF-S VR Nikkor 300mm f/2.8G IF-ED (NI30028DAFSB): Black color4399.95

AF-S VR Nikkor 300mm f/2.8G IF-ED (NI30028DAFSG): Light Gray color.....4399.95

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AF NIKKOR LENSES

SUPER TELEPHOTO LENSES

Ideal for a wide range of picture taking, from sports, action and wildlife, to extraordinary tight-close-up portraits, to general landscape photography, these super telephoto lenses combine Nikon's superior optical quality with the legendary Nikon Silent Wave Motor for fast, quiet, and accurate autofocus. In addition, Nikon optical design including Extra Low Dispersion (ED) optical glass and Internal Focusing (IF) optical design compliments the smooth mechanical construction of these lenses.



AF-S 500mm f/4D ED-IF II

- ◆ Exclusive Silent Wave Motor (SWM) makes autofocus operation virtually silent while providing extremely fast and accurate focus. Subjects literally “pop” into focus.
- ◆ Three high performance Extra Low Dispersion (ED) optical glass elements (the 300mm f/4 has two) eliminates secondary optical chromatic aberrations which are typical in ordinary telephoto optics.
- ◆ Internal Focusing (IF) allows a smaller and more compact design. Also enables auto and manually focus without lenses changing size or balance. Provides smooth and fast autofocus or responsive, finger-light manual focusing.
- ◆ 9-blade rounded aperture makes out-of-focus elements appear more natural while providing crisper details.
- ◆ Nikon D-type (Distance Signal Technology) design provides focus distance information to camera's metering systems. This enables the lenses to support Nikon's 3D Matrix Metering and flash operation and achieve precise exposure accuracy, anywhere.
- ◆ They accept Nikon's TC-14E II TC-17E II and TC20E II AF-S teleconverters.
- ◆ M/A Mode provides instant switching from autofocus to manual focus even during AF servo operation.
- ◆ Nikon Super Integrated Optical coating is applied to enhance image quality for crisper color rendition and reduced flare and ghosting.
- ◆ They offer a lightweight magnesium die-cast body with a tripod mounting foot for easy portability and handling. Lens hoods are supplied to minimize stray light.
- ◆ With Nikon's legendary F lens mount they are manual focus -compatible with every Nikon SLR made since 1959.
- ◆ Easy, smooth manual focusing operation; simulated leather finish for superior grip; filter attachment does not rotate during focusing; dust- and water drop-resistant.

AF-S 300mm f/2.8D ED-IF II

Close focusing in AF mode down to 7.5'. Includes CL-L1 reinforced ballistic nylon case for storage – even when attached to an SLR, HK-26 lens hood and 52mm rear ND filter. Weighs 5.6 lbs.

NI30028DAFSB Black4199.95
NI30028DAFSG Light Gray.....4399.95

AF-S 300mm f/4D ED-IF

Close focusing to 4.8' gives photographers the ability to make dramatic portraits. Incredibly lightweight at 3.1 lbs. Built-in, retractable lens hood. Detachable tripod-mounting collar. 77mm filter size.

NI3004DAFS Black.....1099.95
NI3004DAFSG Light Gray.....1159.95

AF-S 400mm f/2.8D ED-IF II

Close focusing to 11.8'. Weighs 9.8 lbs. Includes CT-402 Trunk Case, HK-25 Lens Hood and 52mm rear ND filter.

NI40028AFS2B Black.....7699.95
NI40028AFS2G Light Gray.....7799.95



AF-S 300mm f/4D ED-IF

AF-S 500mm f/4D ED-IF II

Close focusing to 16'. Weighs 7.6 lbs. Includes Trunk Case, HK-24 Lens Hood and 52mm rear ND filter. A great lens for a sports or wildlife photographer

NI5004AFB Black.....7099.95
NI5004AFG Light Gray.....7199.95

AF-S 600mm f/4D ED-IF II

The ultimate super telephoto lens for sports, distant fast-moving subjects and wildlife. Close focusing to 18.4'. Weighs 10.7 lbs. Includes CT-606 Trunk Case, HK-23 Lens Hood and 52mm rear ND filter. This second-generation AF-S lens features lighter weight and higher magnification.

NI6004AFB Black.....8999.95
NI6004AFG Light Gray.....8999.95



EQUIPMENT LEASING AVAILABLE

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AF NIKKOR LENSES

Lens	Lens Construction (groups/elements)	Picture Angle	Minimum f/stop	Filter Size	Lens Case	Lens Hood	Weight
AF 14mm f/2.8D ED	14/12	90°	22	Provided	Soft Case	Built-in	23.6
AF Fisheye 16mm f/2.8D	5/8	180°	22	Provided	CL-31S, CL-S2	Built-in	10.1
AF 18mm f/2.8D	10/13	100°	22	77	CL-47	HB-8	13.6
AF 20mm f/2.8D	9/12	94°	22	62	CL-30S, CL-S2	HB-4	9.5
AF 24mm f/2.8D	9/9	84°	22	52	CL-30S, CL-S2	HN-1	9.5
AF 28mm f/1.4D	8/11	74°	16	72	CL-44, CL-S2	HK-7	18.3
AF 28mm f/2.8D	6/6	74°	16	52	CL-30, CL-S2	HN-2	7.3
AF 35mm f/2D	5/6	62°	22	52	CL-30S, CL-S2	HN-3	7.2
AF 50mm f/1.4D	6/7	46°	16	52	CL-30S, CL-S2	HR-2	7.9
AF 50mm f/1.8	5/6	46°	22	52	CL-30S, CL-S2	HR-2	5.5
AF 85mm f/1.4D IF	8/9	28° 30'	16	77	CL-44, CL-S2	HN-31	19.8
AF 85mm f/1.8D	6/6	28° 30'	16	62	CL-15S, CL-S2	HN-23	13.2
AF DC 105mm f/2D	6/6	23° 20'	16	72	CL-38, CL-S2	Built-in	21.9
AF DC 135mm f/1.8D	6/7	18°	16	72	CL-38, CL-S2	Built-in	28.6
AF 180mm f/2.8D ED-IF	6/8	13° 40'	22	72	CL-38, CL-S2	Built-in	27.2
AF-S VR 200mm f/2G IF ED	9/13	12° 20'	22	52	CL-L1	HK-31	6.4 lbs
AF-S 300mm f/4D ED IF	6/8	8° 10'	32	82/39	CL-42	Built-in	46.9
AF-S VR 300mm f/2.8G IF-ED	8/11	8° 10'	22	52	TBA	TBA	6.38 lbs
AF-S 300mm f/2.8D ED-IF II	8/11	8° 10'	22	52	CT-305	HK-26	105.8
AF-S 400mm f/2.8D ED-IF	9/11	6° 10'	22	52	CT-402	HK-27	169.3
AF-S 500mm f/4D ED-IF	9/11	5°	22	52	CT-502	HK-28	130.5
AF-S 600mm f/4D ED-IF	7/10	4° 10'	22	52	CT-605	HK-28	204.6

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AF-S TELECONVERTER LENSES

Nikon's AF-S Teleconverters incorporate Nikon's Integrated Coating to reduce flare and ghosting as well as a cosmetic design that matches the latest AF-S Nikkor lenses. Designed for use with Nikon AF-S and AF-I Nikkor lenses, the TC-14EII (1.4x), TC-17EII (1.7x) and TC-20EII (2x) teleconverter lenses allow photographers to increase focal length without reducing optical quality and to retain a sense of overall comfort in the hand. The lenses offer full aperture metering with compatible cameras and also allow for autofocus when used with Nikon F6, F5, F100 and N80 AF SLR Cameras. In addition, the lenses come with a BF-3A front cap which can also be used as a body cap.



TC-14EII

TC-14EII **1.4x Teleconverter**

- Increases focal length by 1.4x
- Reduces lens aperture by one f-stop
- Supports the use of Nikon Vibration Reduction (VR) function

NITC14E2IMP. 329.95 /USA 399.95

TC-17EII 1.7x Teleconverter

- Allows focal length to be extended by a factor of 1.7x while retaining a sense of overall comfort in the hand. Minimal effect on f-number of 1.5 stops
- Supports the use of Nikon Vibration Reduction (VR) function

NITC17E2IMP. 339.95 /USA 409.95

TC-20EII **2x Teleconverter**

- Increases focal length by 100% - 2x
- Reduces lens aperture by two f-stops
- Supports the use of Nikon Vibration Reduction (VR) function

NITC20E2IMP. 339.95 /USA 429.95

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SUPER WIDE ANGLE ZOOM LENSES



AF 18-35mm f/3.5-4.5D IF



AF 24-85mm f/2.8-4D IF

AF-S 17-35mm f/2.8D ED-IF (NI173528DAFS)

An ultra-wide-angle rectilinear zoom lens. Features ED glass and aspheric lens elements to provide superior optical performance and minimized chromatic aberration, even at close distances (0.9' through the entire zoom range). Internal Focusing (IF) design for smoother focusing, Silent Wave Motor for super-fast, super-quiet AF operation, and M/A mode for instant switching to manual focus even during AF operation by simply rotating the focus ring. Includes case and HB-23 lens hood. Filter size is 77mm.....IMP. 1349.95 /USA 1479.95

AF 18-35mm f/3.5-4.5D (NI183535DAF)

Compact ultra wide to wide angle lens with a focus distance of 1' to infinity—ideal for landscape, candid, close-up and full-length portrait photography. Features an internal focusing (IF) design, and an aspherical lens element to minimize distortion throughout the zoom range. Supplied HB-23 hood shields the lens against reflection from stray light. Filter size is 77mmIMP. 409.95 /USA 489.95

24-85mm f/3.5-4.5G AF-S ED-IF (NI248535GAFS)

Compact and lightweight, this high performance zoom lens captures 24mm wide angle images and provides close focusing throughout the focusing range. Ideal for landscapes, full length portraits, travel and general purpose photography. AF-S motor provides superior speed, silence and convenient operation. Includes HB-28 lens hood. Filter size is 67mmIMP. 309.95 /USA 349.95

AF 24-85mm f/2.8-4D (NI248528DAF)

Compact and lightweight, this high performance lens captures 24 mm images with a fast f/2.8 maximum aperture, making it ideal for available light shooting or slow/rear flash sync techniques. Maximum reproduction ratio from 35-85mm is 1:2 life-size allowing superb close-ups. Features Nikon Super Integrated optical coating, two aspherical lens elements (hybrid and molded-glass aspherical) and Internal Focusing design. Filter attachment does not rotate during focusing or zooming. Supplied with HB-25 flower-type lens shade. Filter size is 72mmIMP. 469.95 /USA 539.95

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WIDE ANGLE ZOOM LENSES

AF-S 28-70mm f/2.8D ED-IF (NI287028AFS)

Equipped with all of Nikon's exclusive lens technologies, this is one of the world's highest performing lenses. Features include Silent Wave Motor (SWM), aspherical lens element, two ED glasses, 9-blade rounded aperture, M/A mode, Super Integrated Optical coating, Nikon D-type (Distance Signal Technology) and IF (Internal Focusing) design. Rotating zoom ring offers precise zoom control. Filter attachment does not rotate during focusing or zooming. Dedicated lens shade effectively shields against stray light. Has a dust and moisture-resistant design. Filter size is 77mmIMP. 1329.95 /USA 1429.95

AF 28-80mm f/3.3-5.6G (NI288033GAF)

Ultra-compact with a comfortable, well-balanced feel, this lens is ideal for travel landscapes, scenics and general family photography. Built-in aperture control via the Command Dial (found on the newest Nikon SLRs) allows the aperture ring to be left off, resulting in a more compact and lighter lens. Also features an aspherical lens element and Super Integrated Coating. A rounded diaphragm opening with seven blades, makes out-of-focus elements appear more natural. Filter size is 58mmIMP. 74.95 /USA 89.95

AF 35-70mm f/2.8D (NI357028DAF)

Excellent for general photography, this high-performance, high-speed zoom lens has a fast and constant f/2.8 maximum aperture. Distortion is controlled throughout the range. Push-pull type zoom is ideal for zoom effects during shooting. Filter size is 77mmIMP. 549.95 /USA 679.95



AF-S 28-70mm f/2.8D ED-IF



AF 28-80mm f/3.3-5.6G



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HIGH-POWER ZOOM LENSES



AF 24-120mm f/3.5-5.6D IF, top
AF 28-105mm f/3.5-4.5D, bottom



AF 28-100mm f/3.5-5.6 G

AF 24-120mm f/3.5-5.6G ED-IF AF-S VR (NI2412035GAF)

An incredibly compact and versatile 5X zoom lens the AF 24-120mm is ideal for travel, landscape, stock and portraiture photography as well as photo journalist applications. Hybrid and molded-glass aspherical lens elements for minimized distortion, higher resolution and excellent contrast. IF (Internal Focusing) design for fast AF operation. Filter size is 72mmIMP. 484.95 /USA 509.95

AF 28-100mm f/3.5-5.6 G (NI2810035GAF)

This all-around lens is ideal for travel, landscapes and even portraits. It features Super Integrated Coating to enhance color performance while minimizing flare, G technology to enable lens apertures to be selected directly from Nikon SLR camera, and Distance Technology which provides precision distance information from the lens. Filter size is 72mm.....IMP. 89.95 /USA 119.95

AF 28-105mm f/3.5-4.5D IF(NI2810535DAF)

A versatile 3.8X zoom lens, the AF 28-105mm creates sharp and beautiful images including close-ups (up to half life-size at 105mm), landscapes, portraits, fast action, nature and wildlife pictures. Hybrid-type aspherical lens element minimizes distortion and IF (Internal Focusing) technology for fast AF operation. Nine-blade rounded diaphragm opening makes out-of-focus elements appear more natural. Built-in lens hood. Filter size is 62mmIMP. 289.95 /USA 324.95

AF 28-200mm f/3.5-5.6G ED-IF (NI2820035GAF)

A flexible high-power 7x zoom lens, the AF 28-200 covers an amazing 28mm wide angle to 200mm telephoto range, incorporating eight popular focal lengths. Ideal for travel, landscapes, portraits, sports and much more. Compact and lightweight, it features IF (Internal Focusing) technology for fast AF operation, and aspherical elements for minimized distortion, higher resolution and excellent contrast. Includes HB-12 lens hood. Filter size is 72mmIMP. 269.95 /USA 299.95

TELEPHOTO ZOOM LENSES

AF 70-300mm f/4-5.6D ED (NI703004DAF)

A powerful, yet compact and lightweight 4.3x tel zoom lens. It features a rotating zoom ring for precise zoom operation and ED glass for high resolution and high contrast even at maximum aperture. Supplied lens hood minimizes stray light. Filter size is 62mmIMP. 279.95 /USA 299.95



AF 70-300mm f/4-5.6G (NI7030045GAF)

The AF 70-300mm f/4-5.6G is a portable telephoto zoom lens with Nikon quality optics, high-performance Nikon Super Integrated Coating and a 9-blade rounded diaphragm opening, which makes out-of-focus elements appear more natural. It is also a "G-type" Nikon lens, meaning there are no aperture rings (the aperture is selected on the camera body). The result is a more compact lens with mistake free operation since the aperture does not need to be set to minimum. Filter size is 62mmIMP. 99.95 /USA 129.95

AF 80-200mm f/2.8D (NI8020028DAQ)

High-performance, high-speed telephoto zoom lens, the AF 80-200mm f2.8D is a superb choice for sports and nature photography. Features fast and constant f/2.8 maximum aperture, and three ED glass elements for high-resolution and high-contrast even at maximum aperture. Includes CL-43a lens case. Filter size is 77mmIMP. 799.95 /USA 899.95



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VR TELEPHOTO ZOOM LENSES

AF-S VR Zoom-Nikkor 70-200mm f/2.8G IF-ED

The AF-S VR Zoom-Nikkor 70-200mm f/2.8G IF-ED lens is designed with professional and advanced amateur photographers in mind, offering them a truly compact and lightweight telephoto zoom lens featuring some of Nikon's most innovative technologies. With Nikon's advanced Vibration Reduction technology, the lens enables photographers to make crisp, sharp pictures by minimizing the blur caused by hand holding a camera at slow shutter speeds and by potential shaking when shooting from a moving vehicle, aircraft or any other moving platform that induces vibration. Other features include Manual Automatic mode (M/A) which allows for instant switching between auto and manual focus, virtually eliminating lag time in the transition and enabling photographers to make a last minute adjustment, even if the autofocus system has locked onto the subject. This performance is complimented by Nikon's AF Tracking with Lock-on, a technology that enables the system to maintain sharp focus even if the subject is momentarily obscured from view, or if the camera's AF sensor momentarily moves off the main subject. Includes HB-29 lens hood and CL-M2 case. Filter size is 77mm.



- ◆ Incorporates Extra Low Dispersion (ED) optical glass enabling superior performance from this versatile, compact lens. Through low dispersion characteristics the lens' color performance is enhanced by virtually eliminated secondary chromatic aberrations that are common to telephoto optics that don't have ED glass; this technology enhances image quality with added visible sharpness and contrast to the image.
- ◆ Nikon's exclusive Silent Wave Motor technology provides silent and fast autofocus with superior accuracy and ultra-quiet operation.

- ◆ Designed for Nikon cameras with a built in Sub-Command Dial, G-type design allows aperture control exclusively from the camera. This facilitates better lens handling, and lets you keep a more positive grip on the camera as you use your right index finger to adjust aperture.
- ◆ Distance Technology provides precision distance information from the lens which is then incorporated into exposure calculations for both ambient light and flash illumination, as well as combinations of both. This leads to improved exposure control and enhances the Nikon system for automatic balanced fill flash.

NI7020028AFS Black.....IMP. 1449.95 /USA 1599.95

NI7020028AFQ Light GrayIMP. 1469.95 /USA 1649.95

AF VR 80-400mm f/4.5-5.6 D ED (NI8040045AF)

Now photographers who shoot hand-held, especially in low light conditions can count on dramatically sharper pictures. Equipped with Nikon's Vibration Reduction (VR) technology and superior optical design, the AF VR 80-400mm delivers sharp images in otherwise impossible situations. Extending hand-held picture-taking into the realm of photography that usually requires a cumbersome tripod, sports and nature photographers can concentrate on capturing the hoop shot of the century or the flight of a rare bird knowing that even if their hand is not steady, the images will be sharper and truer. Includes HB-24 lens hood and CL-M1 case. Filter size is 77mm.



- ◆ Proprietary VR system detects and compensates for image blur caused by camera shake. When activated, the system allows photographers to shoot with ambient light at shutter speeds that are slower by up to about 3 stops, when compared to the restrictions of shooting without vibration reduction.
- ◆ The VR system uses angular speed sensors that detect minute shifts in camera movement. Data from the sensors is used to calculate the change in position and drive voice coil motors to shift the position of the VR lens element.

- ◆ Automatically detects shake that takes place during panning in any direction. And there is no need to stop and reset the lens for panning action; it happens automatically.
- ◆ Three ED glass elements reduce secondary chromatic aberrations and help the lens provide significantly sharper pictures throughout the 80-400mm zoom range.
- ◆ Also features Nikon's Super Integrated Coating, a nine-blade diaphragm for rounder more natural highlights, and A/M switch for fast switching from auto to manual focus.

AF VR 80-400mm f/4.5-5.6 D ED (NI8040045AF).....IMP. 1229.95 /USA 1429.95



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AF NIKKOR LENS SPECIFICATIONS

Lens	Lens Construction (elements/groups)	Picture Angle	Minimum f/stop	Filter Size	Lens Case	Lens Hood	Weight
Zoom							
AF-S 17-35mm f/2.8D	13/10	104°-62°	22	77	CL-76	HB-23	26.3
AF 18-35 f/3.5-4.5D	11/8	100°-62°	22	77	CL-S2	HB-23	13
AF 24-85mm f/2.8-4D	15/11	84°-28° 30'	22	72	CL-S2	HB-25	19.2
AF 24-85mm f/3.5-5.6G ED-IF	12/15	84°-28° 30'	22	67	-	HB-28	14.3
AF 24-120mm f/3.5-5.6D IF	11/15	80°-20° 30'	22	72	CL-49, CL-S2	HB-11	19.6
AF-S 28-70mm f/2.8D	15/11	74°-34° 20'	22	77	CL-74	HB-19	33
AF 28-80mm f/3.3-5.6G	7/7	74°-30° 10'	22	58	CL-32S, CL-S2	HB-10	7.8
AF 28-105mm f/3.5-4.5D	16/12	74°-23° 20'	22	62	CL-49	HB-18	16
AF 28-200mm f/3.5-5.6D IF	13/16	74°-12° 20'	22	72	CL-49, CL-S2	HB-12	19.6
AF 35-70mm f/2.8D	12/15	62°-34° 20'	22	62	CL-33S, CL-S2	HB-1	23.8
AF-S VR 70-200mm f/2.8G IF- ED	15/21	34° 20'	22	77	CL-M2	HB-29	51.1 oz.
AF 70-300mm f/4-5.6D ED	9/13	34° 20'-8° 10'	32	62	CL-72, CL-S2	HB-15	18.2
AF 70-300mm f/4-5.6G	9/13	34° 20'-8° 10'	32	62	CL-S4	HB-26	18.1
AF-S 80-200mm f/2.8D ED	18/14	30° 10'-12° 20'	22	77	CL-73	HB-17	51.1
Special Purpose							
AF Micro 60mm f/2.8D	7/8	39° 40'	32	62	CL-32S, CL-S2	HN-22	16.0
AF Micro 105mm f/2.8D	8/9	23° 20'	32	52	CL-15S, CL-S2	HS-7	19.6
AF Micro 200mm f/4D ED IF	8/13	12° 20'	32	62	CL-45	HN-30	42.3
AF Micro 80-400mm f/4.5-5.6D ED VR	17/11	30°-6° 10'	32	77	CL-M1	HB-24	47
AF Micro 200-400mm f/4.5-5.6D ED VR	24/17		22	52 Rear	CL-L2	HK-30	7 lbs.

200-400mm f/4G IF-ED AF-S VR Zoom-Nikkor

Combines four fixed focal length super-telephoto lenses into a single compact super-telephoto AF Zoom Nikkor lens. The world's first AF-S VR super-telephoto 200-400mm zoom lens, it automatically detects when a photographer is panning and compensates. Has two VR modes: Normal mode or Active Mode for when taking pictures with extreme movement. VR operation offers the equivalent of using a shutter speed 3 stops faster.

It also features an exclusive Silent Wave Motor enabling ultra-high-speed autofocus with exceptional accuracy and powerful super-quiet operation. 4 Extra-Low Dispersion (ED) glass elements minimizes chromatic aberration and provides higher resolution and superior contrast. Internal Focusing (IF) design for smoother focusing and great body balance. M/A mode enables instant switching from autofocus to manual with virtually no time lag even during AF servo operation



- Compatible with AF-S TC14E (II), TC17E (II) and TC20E (II) teleconverters
- Minimum focus distance of 6.2' at all focal lengths
- No power consumption during manual focus operation
- Rounded diaphragm (9 blades) for natural blur
- Includes detachable tripod mounting collar
- G design enables apertures to be selected from select camera bodies
- Nikon D-type design provides precise distance information for flash and ambient light exposure processes
- Fully Compatible with F6, F5, F100, N80, N75 and N65 cameras

200-400mm f/4G IF-ED AF-S VR Zoom-Nikkor (NI2004004GAF)IMP. 4999.90 /USA 5099.95

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NIKON LENS ACCESSORIES

Lens Hoods

A lens hood is an integral part of your Nikon system. By reducing stray light and minimizing flare, your pictures show improved contrast and better color saturation. Hoods also provide important shock protection, should your lens be dropped or bumped. Hoods are available in four types:



HN-12 Hood

Screw-On Hoods: Screws onto the front of the lens. Metal type is available for extra strength. Rubber type folds back over the lens when not in use.

Slip-On Hoods: Slips over the front of the lens. Tightened with knurled screw and retainer ring. Use with wide-zoom and ultra-wide lenses.

Snap-On Hoods: Snaps onto the front of the lens with a spring-type retainer ring. The mounting can be conveniently reversed for storage.

Bayonet Hoods: Twist-lock mounting for extra security.

Lens Caps

- LC-52 (NILC52)
52mm snap-on front lens cap.....9.95
- LC-58 (NILC58)
58mm snap-on front lens cap.....13.50
- LC-62 (NILC62)
62mm snap-on front lens cap.....10.95
- LC-72 (NILC72)
72mm snap-on front lens cap.....13.50
- LC-77 (NILC77)
77mm snap-on front lens cap.....17.95
- BF-1A (NIBF1A)
Lens mount cap for SLR cameras.....7.95
- LF-1 (NILF1)
Rear lens cap for All F-mount lenses.....8.95

Nikon Neck Straps

- AN-1 (NIAN1): Leather14.95
- AN-4B (NIAN4B): Black nylon14.95
- AN-4Y (NIAN4Y): Yellow nylon14.95
- NS-5 (NINS5): Soft wide14.95
- AN-6Y (NIAN6Y): Yellow nylon wide25.95

LENS HOODS

Type	Hood	B&H #	Attachable Lenses	Price
Snap-On	HS-7	NIHS7	105mm f/2.8 Micro AF	23.95
Snap-On	HS-9	NIHS9	50mm f/1.4 AIS	23.95
Snap-On	HS-11	NIHS11	50mm f/1.8 AIS	23.95
Snap-On	HS-12	NIHS12	50mm f/1.2 AIS	24.95
Rubber Screw-On	HR-1	NIHR1	50mm f/1.4 AIS, 70-210mm f/4.5-5.6 AIS	12.95
Rubber Screw-On	HR-2	NIHR2	50mm f/1.2 and f/1.8 AIS, 50mm f/1.4 and 1.8 D-AF	12.95
Screw-On	HN-1	NIHN1	24mm f/2.8 and 28 f/2 AIS	14.95
Screw-On	HN-2	NIHN2	AF 28mm f/2.8D	14.95
Screw-On	HN-3	NIHN3	35mm f/1.4, AF 35mm f/2	14.95
Screw-On	HN-9	NIHN9	PC 28mm f/3.5	14.95
Screw-On	HN-12	NIHN12	52mm Circular Polarizer	24.95
Screw-On	HN-13	NIHN13	72mm Circular Polarizer	29.95
Screw-On	HN-20	NIHN20	85mm f/1.4 (Replacement)	27.50
Screw-On	HN-22	NIHN22	AF 60mm f/2.8D Micro	21.95
Screw-On	HN-23	NIHN23	85mm f/1.8 D-AF	21.95
Screw-On	HN-26	NIHN26	62mm Circular Polarizer	29.95
Screw-On	HN-28	NIHN28	80-200mm f/2.8 ED D-AF	29.95
Screw-On	HN-30	NIHN30	200mm f/4.0 D-AF Micro	39.95
Screw-On	HN-31	NIHN31	85mm f/1.4 D-AF (Replacement)	39.50
Screw-On	HN-34	NIHN34	77mm Polarizer	29.95
Screw-On	HN-35	NIHN35	45mm f/2.8P Nikkor (Replacement)	29.95
Slip-On	HK-2	NIHK2	24mm f/2	24.95
Slip-On	HK-7	NIHK7	28mm f/1.4D	52.50
Slip-On	HK-26	NIHK26	AF-S 300mm f/2.8D ED-IF II (Replacement)	279.95
Slip-On	HK-27	NIHK27	AF-S 400mm f/2.8D ED-IF II (Replacement)	359.95
Slip-On	HK-28	NIHK28	AF-S 500mm f/4D ED-IF II (Replacement)	299.95
Slip-On	HK-29	NIHK29	AF-S 600mm f/4D ED-IF II (Replacement)	579.95
Slip-On	HK-30	NIHK30	AF-S VR 200-400mm f/4G ED-IF (Replacement)	279.95
Bayonet	HB-1	NIHB1	AF 35-70mm f/2.8D	16.95
Bayonet	HB-4	NIHB4	AF 20mm f/2.8D	16.95
Bayonet	HB-7	NIHB7	AF 80-200mm f/2.8D	29.95
Bayonet	HB-15	NIHB15	AF 70-300mm f/4-5.6D ED (Replacement)	17.95
Bayonet	HB-18	NIHB18	AF 28-105mm f/3.5-4.5D	18.95
Bayonet	HB-20	NIHB20	28-80mm f/3.3-5.6G	11.95
Bayonet	HB-22	NIHB22	85mm f/2.8 PC Micro	39.95
Bayonet	HB-23	NIHB23	17-35mm f/2.8 D AF-S and 18-35mm f/3.5-4.5 D-AF (Replacement)	15.95
Bayonet	HB-25	NIHB25	24-85mm f/2.8-4.0 D-AF and 24-120mm f/3.5-5.6G ED-IF AF-S VR (Replacement)	14.95
Bayonet	HB-26	NIHB26	70-300mm f/4.0-5.6 G-AF (Replacement)	14.95
Bayonet	HB-27	NIHB27	28-100mm f/3.5-5.6 G-AF	12.95
Bayonet	HB-28	NIHB28	24-85mm f/3.5-4.5 G-AFS (Replacement)	14.95
Bayonet	HB-29	NIHB29	70-200mm f/2.8 G-AFS (Replacement)	29.95
Bayonet	HB-30	NIHB30	28-200mm f/3.5-5.6 G-AF (Replacement)	9.95



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NIKON

NIKON LENS ACCESSORIES



Filters for Color and B&W

Circular Polarizers darken the sky without affecting color balance, cut glare from water and metallic surfaces, and allow shooting through glass. Their mounts can be rotated for different angles which you can monitor through the viewfinder. (Note: they require a filter hood.) Conversion Filters match film color balances. For example, the A12 shifts the color balance of tungsten

film to daylight. B2 and B8 counteract existing light that is too warm. B12 matches artificial light to that of daylight film. Yellow filters absorb both blue and UV light so skies appear darker. Use them to clear up haze around distant objects. Stronger than yellow, Orange tones down blue and green. It heightens contrast between sky and objects and darkens foliage. Red filters out all colors except red, so blue skies appear almost black and green leaves darker. Green absorbs red and blue, letting green and yellow through. The X0 is for general-purpose use. The X1 gives skin a more natural tone.

NIKON FILTERS

Filter Type	Desc.	39mm	52mm	58mm	62mm	72mm	77mm	82mm
Clear/ No Tint	NC	NINC39 26.50	NINC52 31.95	NINC58 33.95	NINC62 44.95	NINC72 79.95	NINC77 89.95	
Skylight	L1BC	NIL1BC39 24.95	NIL1BC52 25.95		NIL1BC62 38.95	NIL1BC72 57.95		
Ultraviolet	L37C	NIL37C39 23.95	NIL37C52 23.95		NIL37C62 33.95	NIL37C72 54.95	NIL37C77 62.95	NIL37C82 74.95
Yellow Light	Y44		NIY4452 23.95					
Yellow Medium	Y48	NIY4839 24.95	NIY4852 23.95		NIY4862 34.95	NIY4872 44.95	NIY4877 59.95	
Yellow Dark	Y52	NIY5239 24.95						
Orange	O56	NIO5639 24.95	NIO5652 23.95		NIO5662 34.95	NIO5672 44.95	NIO5677 59.95	
Red	R60	NIR6039 24.95	NIR6052 23.95		NIR6062 34.95	NIR6072 44.95	NIR6077 59.95	
Green Light	X0		NIX052 23.95					
Green Dark	X1		NIX152 23.95					
Circular Polarizer II	CP		NICP52 64.95	NICP58 Call	NICP62Q 84.95	NICP72 109.95	NICP77 139.95	
Neutral Density	ND2s	NIND2S39 32.95						
Neutral Density	ND4s	NIND4S39 32.95	NIND4S52 24.95					
Neutral Density	ND8s	NIND8S39 32.95	NIND8S52 24.95					
Amber Light	A2	NIA239 24.95	NIA252 23.95		NIA262 34.95	NIA272 44.95	NIA277 59.95	
Amber Dark	A12	NIA1239 24.95	NIA1252 23.95		NIA1262 34.95			
Blue Light	B2	NIB239 24.95	NIB252 23.95		NIB262 34.95	NIB272 44.95	NIB277 59.95	
Blue Medium	B8	NIB839 24.95	NIB852 23.95					
Blue Dark	B12	NIB1239 24.95	NIB1252 23.95		NIB1262 34.95			
Soft Focus No. 1			NISF152 56.95		NISF162 79.95	NISF172 99.95	NISF177 Call	
Soft Focus No. 2			NISF252 56.95		NISF262 79.95	NISF272 99.95		

Lens Cases

Cylindrical Cases:

Tough black leatherette finish combined with soft, plush lining to protect your lenses, shielding them from shocks and bumps.

CL-13A (NICL13A): For 35-200/3.5-4.5 and 200/4 AIS lenses16.95

CL-15S (NICL15S): For 35/2, 85/1.8D, and AF 105/2.8 lenses34.95

CL-30S (NICL30S): For 20/2.8, 24/2.8, 28/2.8, 35/2D, 50/1.4 and 50/1.8 lenses26.95

CL-31S (NICL31S): For 16/2.8D, 24/2, 28/2, 35/1.4, 35/2.0, 50/1.2 and 85/1.8 lenses...26.95

CL-32S (NICL32S): For 24-50/3.3-4.5, 55/2.8, 60/2.8, 105/2.5 and 135/2.8 lenses32.95

CL-33S (NICL33S): For 28-85/3.5-4.5, 35-70/2.8 and 55/2.8 lenses32.95

CL-34 (NICL34): For 85/1.4 AIS lens26.95

CL-36 (NICL36): For 200/4 AIS lens49.95

CL-38 (NICL38): For 105/2D DC and 135/2D DC lenses.....34.95

CL-44 (NICL44): For 28/1.4D and AF 85/1.4D lenses49.95

CL-47 (NICL47): For 18mm f/2.8 lens59.95

CL-49 (NICL49): For 28-105/3.5-4.5D and AF 28-200/3.5-5.6 lenses47.95

CL-71 (NICL71): For 70-180/4.5-5.6 ED ..74.95

CL-72 (NICL72): For 70-300/4-5.6 lens44.95

Soft Pouches:

Accommodates different lenses with different focal lengths; put it away in a pocket when you're not using it.

CL-S2 (NICLS2): For the 14mm f/2.8, 18-35/3.5-4.5, 24-85/3.5-4.5G, 24-85/2.8 D-AF, 24-120/3.5-5.6G and 28-200/3.5-5.6G lenses29.95

CL-S4 (NICLS4): For the 70-300mm f/4.0-5.6 G-AF lenses29.95

CL-L2 (NICLL2): For the 400, 500 600mm and 70-200mm VR lenses129.95

CL-M2 (NICLM2): For the 300/4D AF-S and 70-200/2.8 lenses.....49.95