DIGITAL SLR
COMPARISON GUIDE
FALL COLLECTION 2008

Nikon®

At the heart of the image ™

Nikon DIGITAL SLR CAMERAS
THE POWER OF DIGITAL PHOTOGRAPHY DEFINED

The sheer power, speed, control, and versatility to match the creative demands of the world's award-winning professional photographers. The ease of use that allows beginners to faithfully preserve unforgettable family moments. Whatever your priorities, Nikon digital SLRs offer the innovative technology, precision engineering, and reliably superior performance to produce breathtaking images that you can be proud of.

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Nikon offers a comprehensive lineup of precision digital SLR cameras whose technologies deliver extraordinary image quality. Outstanding performance and perspective advantages are offered by two rugged flagship-level cameras, led by Nikon's newest D3X, extreme resolution, 24.5-megapixel D-SLR which complements the D3's now legendary high-speed, low light, 12.1-megapixel capabilities. The agile D700 features D3 imaging performance—giving photographers a choice of three exceptional D-SLRs—all constructed with the Nikon FX-format sensor that, along with a host of other innovations, are redefining digital photography for professionals and experienced enthusiasts. The trim form factor and versatility of Nikon DX-format D-SLRs are led by the award-winning 12.3 megapixel D300™. This flagship of DX-format digital SLR inspires demanding shooters with its agility, speed, and spectacular imaging performance, while the D200 delivers similar responsiveness and handling with its 10.2-megapixel sensor. The newly engineered D90 distills the power of the D300 while introducing the creative capacity of its 720p D-movie video mode to digital SLR photography. And the compact, lightweight and easy-to-use D60 and D40 enable everyone to capture special moments beautifully.

Every model offers the distinct advantage of compatibility with legendary NIKKOR lenses. Plus, today's Nikon digital SLRs allow you to take advantage of Nikon's newest cutting-edge Speedlight, the SB-900, as well as the formidable SB-800, SB-600, and SB-400 — all with i-TTL flash-control technology. In addition, all are fully compatible with Nikon's amazing Wireless Close-Up Speedlight System.

Whatever Nikon digital SLR you choose, you will possess the power and performance you need to create outstanding images that reflect your unique vision.

Top: © Chris Alvanas, Bottom: © Maynard Switzer

© Lucas Gilman

D3X
DIGITAL MASTERPIECE

Building on the advances of the world-renowned D3, the D3X merges 24.5 megapixels of uncompromising FX-format imaging performance with efficient speed, handling, and power-management characteristics equal to the most-demanding requirements—in the studio or the field. With a phenomenally wide dynamic range and incredible low-noise performance from ISO 100 to ISO 1600, the D3X delivers exquisite detail and an astounding tonal range even in harsh conditions, and its ergonomically superior body enables instant response while offering comprehensive protection.

D3
EXTRAORDINARY SPEED... UNCOMPROMISED VERSATILITY

Redefining professional digital photography, the groundbreaking Nikon D3 digital SLR delivers both extraordinary speed and high resolution — at up to 9 fps, with exceptional low-noise performance at up to 6400 ISO. The Nikon original 12.1-megapixel FX-format (23.9 x 36mm) CMOS sensor, teamed with exclusive Nikon EXPEED digital image processing concept, faithfully captures incredible edge-to-edge sharpness, rich color depth, and broad tonal range for astonishing images and unparalleled professional versatility.

D700
POWER THAT EMPOWERS... AGILITY MEETS FXABILITY

Nikon's latest FX-format D-SLR, the D700 can achieve many of the same groundbreaking imaging feats as the legendary D3, whose 12.1-megapixel imaging sensor it shares — but in a more compact and lightweight body. Nimble, fast, and capable of astonishing nuance, the D700 captures seductively smooth tones and renders every detail with unsurpassed clarity, producing virtually noise-free images at up to ISO 6400.
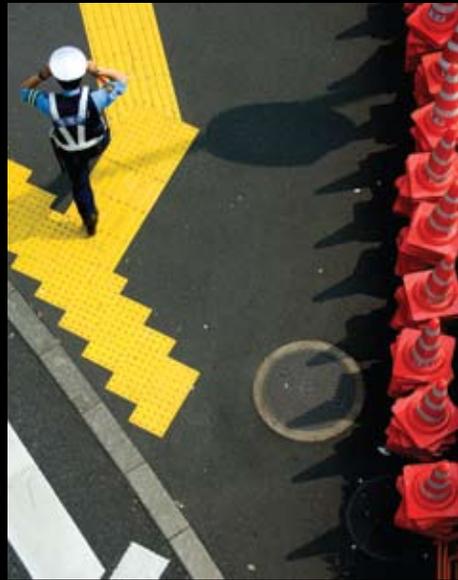
Top: © Sean Arbabi, Bottom: © David Mendelsohn Top: © Mirjam Evers, Bottom: © Tony Arruzza © Arthur Meyerson

D300
EXCEPTIONAL AGILITY...
INSPIRED PERFORMANCE

Agility, speed, and spectacular imaging performance converge in the Nikon D300 to create an amazingly versatile digital SLR that is ready to capture your vision — at up to 6 fps (8 fps with the optional MB-D10 Multi-power Battery Pack). With a high-resolution, 12.3-megapixel DX-format CMOS image sensor and many advanced features inherited from the flagship D3 D-SLR, including the EXPEED digital image processing concept, the D300 takes the DX-format to a new level.

D200
FASTER. SMARTER.
STRONGER.

Faster when it counts, more rugged where it matters, and more intelligent where it's essential, the Nikon D200 digital SLR assures breathtaking performance and image quality that will gratify demanding photographers. Featuring a 10.2-megapixel DX-format CCD image sensor and 11-area AF system, the D200 performs to an exclusive standard achievable only with Nikon.

D90
ENGINEERED FOR ARTISTRY...
UNLEASH YOUR POTENTIAL

Taking its image performace cues from the groundbreaking D300, the 12.3-megapixel DX-format D90 offers enthusiasts the powerand performance to match their passion and extend their expressive range at up to 4.5 frames-per-second. With the Scene Recognition System, Picture Control, Active D-Lighting, and one-button Live View, the D90 makes beautiful images come to life. In addition, the D90 introduces the new D-Movie mode, an innovative, 720p HD movie clip function that extends creative capacity with its amazing video capture capability.

D80
EXPERT DESIGN...
USE WITH PASSION

The versatile Nikon D80 digital SLR expands the capabilities of aspiring photographers with its 10.2-megapixel DX-format CCD image sensor and high-resolution image-processing engine, which features technology developed for our professional cameras. The improved 11-area AF system, 2.5-inch wide-angle LCD monitor, In-Camera Editing, and other advanced features deliver exciting, responsive performance and a powerful way to create exceptional images.

D60
INCREDIBLE PICTURES...
INCREDIBLE POSSIBILITIES...
INCREDIBLY EASY!

The D60 digital SLR delivers all the power and versatility of the DX-format, with a 10.2-megapixel CCD image sensor, Nikon's original EXPEED image processing concept, an innovative dust reduction system, and much more. Just as impressive, though, is all the fun it delivers, with In-Camera Editing, on-board help, a compact body, and when you need it, fully automatic operation, for stunning pictures without complications. With the D60, you get both great pictures and loads of picture-taking fun.

D40
INCREDIBLE PICTURES...
EVEN EASIER

The D40 packs high-performance, advanced features an exceptional ease-of-use in a compact, beautifully styled body, ready to go everywhere. With a 6-megapixel CCD imaging sensor, advanced 3D Color Matrix Metering II, quick startup and fast shutter response, you're sure to capture more of the pictures you really want.

NIKKOR LENSES

A DEFINING STRENGTH OF THE Nikon SYSTEM

Among the many good reasons for purchasing a Nikon digital SLR camera, the best, for most photographers, is the exceptional image quality made possible by NIKKOR lenses. With our passionate commitment to lens manufacturing, from the design through to production of our own glass, NIKKOR lenses continue to deliver innovative optical technology, superior mechanical operation and unsurpassed imaging performance.

NIKON OFFERS AN EXTENSIVE SELECTION OF NIKKOR LENSES,

featuring 58 precision-engineered interchangeable lenses, 47 of which deliver Nikon's fast and accurate autofocus capability, enabling photographers to meet virtually any photographic challenge. For more information on the complete assortment of NIKKOR lenses, visit **www.NikonUSA.com**

AF-S NIKKOR 14-24MM f/2.8G ED
- Fast, ultra wide-angle AF-S zoom
- 2 ED-(Extra-low Dispersion) Glass Elements
- Exclusive Nano Crystal Coat

AF-S DX NIKKOR 16-85MM f/3.5-5.6G ED VR
- Compact 5.3x Zoom
- 2 ED-(Extra-low Dispersion) Glass Elements
- VR II (Vibration Reduction)

AF-S DX ZOOM-NIKKOR 17-55MM f/2.8G IF-ED
- Fast 3.2x wide-angle zoom
- ED-(Extra-low Dispersion) Glass
- AF-S Silent Wave Motor

AF-S DX ZOOM-NIKKOR 18-105MM f/3.5-5.6G ED VR
- Versatile, 5.8x Zoom
- ED-(Extra-low Dispersion) Glass
- VR (Vibration Reduction)

AF-S DX VR ZOOM-NIKKOR 18-200MM f/3.5-5.6G IF-ED
- High performance 11x Zoom
- ED-(Extra-low Dispersion) Glass
- VR II (Vibration Reduction)

18mm **24mm** **35mm** **55mm** **85mm**

Nikon SPEEDLIGHTS

WHERE INNOVATION SPARKS IMAGINATION

The Nikon Creative Lighting System offers a comprehensive selection of revolutionary portable lighting tools to match virtually any need. Featuring the world's most intelligent and versatile flash technology, the system offers unprecedented levels of accuracy, automation, integration and control.

THE Nikon WIRELESS CLOSE-UP SPEEDLIGHT SYSTEM

is offered in two configurations, R1 and R1C1, to match your specific needs. Complete and ready to go right out of the box, both configurations feature two SB-R200 Wireless Remote Speedlights, as well as a completely integrated array of system accessories, including the SX-1 Attachment Ring (for mounting SB-R200s on the lens), color filter sets, freestanding light stands, and more.

SB-900 SPEEDLIGHT
Nikon's next-generation flagship Speedlight, the SB-900 automatically delivers optimal performance for both FX- and DX-format D-SLRs. Offering auto format recognition, a choice of light distribution patterns, and Nikon's first user-controlled Speedlight firmware updates*, the powerful SB-900 operates as a stand-alone and as a remote or master unit to command other wireless remote Speedlights.
*with D3X, D3 and D700

SB-800 SPEEDLIGHT
Full featured for Nikon high-performance digital SLRs, this powerful Speedlight offers exceptional versatility for anyone looking to build a portable lighting system. It works as a powerful stand-alone Speedlight and as a remote or master unit to command other wireless remote Speedlights.

SB-600 SPEEDLIGHT
Offering add-on power and coverage, the SB-600 is an ideal blend of performance, versatility and value. It also serves as an additional wireless Speedlight for multiple flash setups.

SB-400 SPEEDLIGHT
Compact, lightweight, and economical, the SB-400 Speedlight combines Nikon's i-TTL intelligent flash capabilities with the utmost in simplicity. When added flash range and bounce versatility are all that's needed, the SB-400 is the perfect solution.

AF-S NIKKOR 24-70MM f/2.8G ED
- Fast 2.9x AF-S wide to Tele Zoom
- 2 ED-(Extra-low Dispersion) Glass Elements
- Exclusive Nano Crystal Coat

AF-S DX VR ZOOM-NIKKOR 55-200MM f/4-5.6G IF-ED
- Ultra-compact 3.6x Zoom
- VR (Vibration Reduction)
- AF-S Silent Wave Motor

AF-S VR ZOOM-NIKKOR 70-200MM f/2.8G IF-ED
- Fast 2.8x Tele Zoom
- AF-S Silent Wave Motor
- VR (Vibration Reduction)

AF-S VR ZOOM-NIKKOR 70-300MM f/4.5-5.6G IF-ED
- 4.3x Tele Zoom
- ED-(Extra-low Dispersion) Glass
- VR II (Vibration Reduction)

AF-S MICRO NIKKOR 60MM f/2.8G IF-ED
- AF-S Macro Lens with Silent Wave Motor
- ED-(Extra-low Dispersion) Glass
- Exclusive Nano Crystal Coat

105mm   **135mm**   **200mm**   **300mm**   © *Dave Black*

R1 OUTFIT (D700, D300, D200 and D80)

R1C1 OUTFIT (D3X, D3, D60 and D40)

SB-R200 SPEEDLIGHT

The heart of Nikon's Wireless Close-Up Speedlight System, this unit is also perfect as an additional wireless Speedlight.

DIGITAL SLR COMPARISON CHART

		D3X	D3	D700	D300
Image Sensor	Effective Pixels	24.5 Million Pixels	12.1 Million Pixels	12.1 Million Pixels	12.3 Million Pixels
	Image Sensor	FX-format CMOS Sensor, 24 X 35.9mm	FX-format CMOS Sensor, 23.9 X 36mm	FX-format CMOS Sensor, 23.9 X 36mm	DX-format CMOS Sensor, 23.6 X 15.8mm
	Active Dust Removal System	No	No	Yes	Yes
Storage/Data	Image Size (pixels)	FX-format 6,048 x 4,032 [L] 4,544 x 3.024 [M] 3,024 x 2,016 [S] DX-format 3,968 x 2640 [L] 2,976 x 1,976 [M] 1,984 x 1,320 [S] 5:4 format 5,056 x 4,032 [L] 3,792 x 3,024 [M] 2,528 x 2,016 [S]	FX-format 4,256 x 2,832 [L] 3,184 x 2,120 [M] 2,128 x 1,416 [S] DX-format 2,784 x 1,848 [L] 2,080 x 1,384 [M] 1,392 x 920 [S] 5:4 format 3,552 x 2,832 [L] 2,656 x 2,120 [M] 1,776 x 1,416 [S]	FX-format 4,256 x 2,832 [L] 3,184 x 2,120 [M] 2,128 x 1,416 [S] DX-format 2,784 x 1,848 [L] 2,080 x 1,384 [M] 1,392 x 920 [S]	DX-format 4,288 x 2,848 [L] 3,216 x 2,136 [M] 2,144 x 1,424 [S]
	Storage Media	Dual CF memory card slots	Dual CF memory card slots	CF memory card	CF memory card

	File Types	1) JPEG-3 levels Fine (1:4)
		   Normal (1:8) Basic (1:16)
		2) NEF (RAW) 12 or 14 bit selectable
		3) NEF (RAW); Lossless compressed,
		   Compressed Uncompressed
		4) Uncompressed TIFF
			1) JPEG-3 levels Fine (1:4)
			   Normal (1:8) Basic (1:16)
			2) NEF (RAW) 12 or 14 bit selectable
			3) NEF (RAW); Lossless compressed,
			   Compressed Uncompressed
			4) Uncompressed TIFF
				1) JPEG-3 levels Fine (1:4)
				   Normal (1:8) Basic (1:16)
				2) NEF (RAW) 12 or 14 bit selectable
				3) NEF (RAW); Lossless compressed,
				   Compressed Uncompressed
				4) Uncompressed TIFF
					1) JPEG-3 levels Fine (1:4)
					   Normal (1:8) Basic (1:16)
					2) NEF (RAW) 12 or 14 bit selectable
					3) NEF (RAW); Lossless compressed,
					   Compressed Uncompressed
					4) Uncompressed TIFF

	Picture Control/ Optimize Image	Standard, Neutral, Vivid, Monochrome; storage for up to nine custom Picture Controls	Standard, Neutral, Vivid, Monochrome; storage for up to nine custom Picture Controls	Standard, Neutral, Vivid, Monochrome; storage for up to nine custom Picture Controls	Standard, Neutral, Vivid, Monochrome; storage for up to nine custom Picture Controls
	D-Movie	N/A	N/A	N/A	N/A
	Text Input	Up to 36 characters of alphanumeric text input, including Copyright information, is available with LCD monitor and multi-selector; stored in EXIF header	Up to 36 characters of alphanumeric text input is available with LCD monitor and multi-selector; stored in EXIF header	Up to 36 characters of alphanumeric text input is available with LCD monitor and multi-selector; stored in EXIF header	Up to 36 characters of alphanumeric text input is available with LCD monitor and multi-selector; stored in EXIF header
	Image Authentication	Supported: Requires optional Nikon Image Authentication Software (Windows XP, Vista Pre-installed only)	Supported: Requires optional Nikon Image Authentication Software (Windows XP, Vista Pre-installed only)	Supported: Requires optional Nikon Image Authentication Software (Windows XP, Vista Pre-installed only)	Supported: Requires optional Nikon Image Authentication Software (Windows XP, Vista Pre-installed only)
Monitor	LCD Monitor	3.0-in, 920,000-dot, VGA,low temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing	3.0-in, 920,000-dot, VGA,low temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing	3.0-in, 920,000-dot, VGA, low temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing	3.0-in, 920,000-dot, VGA, low temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing

	Live View Modes	1) Hand Held: TTL Phase Difference
		   AF w/ 51 AF focus areas
		2) Tripod: focal-plane contrast AF
		   on a desired point within a
		   specific area
		3) Remote using PC and optional
		   Camera Control Pro 2 software
			1) Hand Held: TTL Phase Difference
			   AF w/ 51 AF focus areas
			2) Tripod: focal-plane contrast AF
			   on a desired point within a
			   specific area
			3) Remote using PC and optional
			   Camera Control Pro 2 software
				1) Hand Held: TTL Phase Difference
				   AF w/ 51 AF focus areas
				2) Tripod: focal-plane contrast AF
				   on a desired point within a
				   specific area
				3) Virtual Horizon (digital level)
				   displayed in Live View
				4) Remote using PC and optional
				   Camera Control Pro 2 software
					1) Hand Held: TTL Phase Difference
					   AF w/ 51 AF focus areas
					2) Tripod: focal-plane contrast AF
					   on a desired point within a
					   specific area
					3) Remote using PC and optional
					   Camera Control Pro 2 software

	Playback Function	1) Full frame 2) Thumbnail (4 or 9 segments) 3) Zoom 4) Slideshow 5) RGB histogram indication 6) Shooting data 7) Highlight point display 8) Auto image rotation 9) Voice memo	1) Full frame 2) Thumbnail (4 or 9 segments) 3) Zoom 4) Slideshow 5) RGB histogram indication 6) Shooting data 7) Highlight point display 8) Auto image rotation 9) Voice memo	1) Full frame 2) Thumbnail (4 or 9 segments) 3) Zoom 4) Slideshow 5) RGB histogram indication 6) Shooting data 7) Highlight point display 8) Auto image rotation 9) Voice memo	1) Full frame 2) Thumbnail (4 or 9 segments) 3) Zoom 4) Slideshow 5) RGB histogram indication 6) Shooting data 7) Highlight point display 8) Auto image rotation 9) Voice memo

D200	D90	D80	D60	D40
10.2 Million Pixels	12.3 Million Pixels	10.2 Million Pixels	10.2 Million Pixels	6.1 Million pixels
DX-format RGB CCD 23.6 X 15.8mm	DX-format RGB CMOS Sensor 23.6 X 15.8mm	DX-format RGB CCD 23.6 X 15.8mm	DX-format RGB CCD 23.6×15.8mm	DX-format RGB CCD 23.7 x 15.6mm
No	Yes	No	Yes	No
DX-format 3,872 x 2,592 [L] 2,896 x 1,944 [M] 1,936 x 1,296 [S]	DX-format 4,288 x 2,848 [L] 3,216 x 2,136 [M] 2,144 x 1,424 [S]	DX-format 3,872 x 2,592 [L] 2,896 x 1,944 [M] 1,936 x 1,296 [S]	DX-format 3,872 x 2,592 [L] 2,896 x 1,944 [M] 1,936 x 1,296 [S]	DX-format 3,008 x 2,000 [L] 2,256 x 1,496 [M] 1,504 x 1,000 [S]
CF memory card	SD memory card (SDHC compatible)	SD memory card (SDHC compatible)	SD memory card (SDHC compatible)	SD memory card (SDHC compatible)
1) JPEG-3 levels fine (1:4) Normal (1:8)Basic (1:16) 2) NEF (RAW); Lossless compressed, Compressed, Uncompressed	1) JPEG-3 levels Fine (1:4) Normal (1:8) Basic (1:16) 2) NEF (RAW)	1) JPEG-3 levels Fine (1:4) Normal (1:8) Basic (1:16) 2) NEF (RAW)	1) JPEG-3 levels Fine (1:4) Normal (1:8) Basic (1:16) 2) NEF (RAW)	1) JPEG-3 levels Fine (1:4) Normal (1:8) Basic (1:16) 2) NEF (RAW)
Normal, Softer, Vivid, More Vivid, Portrait, Custom, Black-and-white Optimize Image options	Standard, Neutral, Vivid, Monochrome, Portrait, Landscape; storage for up to nine custom Picture Controls	Normal, Softer, Vivid, More Vivid, Portrait, Custom, Black-and-white Optimize Image options	Normal, Softer, Vivid, More Vivid, Portrait, Custom, Black-and-white Optimize Image options	Normal, Softer, Vivid, More Vivid, Portrait, Custom, Black-and-white Optimize Image options
N/A	1,280 x 720/24 fps, 640 x 424/24 fps, 320 x 216/24 fps	N/A	N/A	N/A
Up to 36 characters of alphanumeric text input is available with LCD monitor and multi-selector; stored in EXIF header	Up to 36 characters of alphanumeric text input is available with LCD monitor and multi-selector; stored in EXIF header	Up to 36 characters of alphanumeric text input is available with LCD monitor and multi-selector; stored in EXIF header	Up to 36 characters of alphanumeric text input is available with LCD monitor and multi-selector; stored in EXIF header	Up to 36 characters of alphanumeric text input is available with LCD monitor and multi-selector; stored in EXIF header
Supported: Requires optional Nikon Image Authentication Software (Windows XP, Vista Pre-installed only)	No	No	No	No
2.5-in., 230,000-dot, low temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing	3.0-in, 920,000-dot, VGA, low temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing	2.5-in., 230,000-dot, low temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing	2.5-in., 230,000-dot, low temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing	2.5-in., 230,000-dot, low temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing
No	1) Face priority AF, wide area AF, normal area AF 2) Remote using PC and optional Camera Control Pro 2 software	No	No	No
1) Full frame 2) Thumbnail (4 or 9 segments) 3) Zoom 4) Slideshow 5) RGB histogram indication 6) Shooting data 7) Highlight point display 8) Auto image rotation	1) Full frame 2) Thumbnail (4, 9 or 72 images or calendar) playback with playback 3) Zoom 4) Movie playback with sound 5) Pictmotion, slide show 6) Histogram display 7) Highlights 8) Auto image rotation	1) Full frame 2) Thumbnail (4 or 9 segments) 3) Zoom 4) Slideshow 5) RGB histogram indication 6) Shooting data 7) Highlight point display 8) Auto image rotation	1) Full frame 2) Thumbnail (4 or 9 segments) 3) Zoom 4) Slideshow 5) RGB histogram indication 6) Shooting data 7) Highlight point display 8) Auto image rotation 9) Retouch history 10) Stop-Motion Movie	1) Full frame 2) Thumbnail (4 or 9 segments) 3) Zoom 4) Slideshow 5) RGB histogram indication 6) Shooting data 7) Highlight point display 8) Auto image rotation 9) Retouch history

DIGITAL SLR COMPARISON CHART

		D3X	D3	D700	D300
Compatible Lenses	Lens Mount	Nikon F Bayonet	Nikon F Bayonet	Nikon F Bayonet	Nikon F Bayonet
	Compatible Lenses	All functions possible with all AF NIKKOR lenses (including; AF-I, AF-S, DX, VR and D-/G-type). Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.	All functions possible with all AF NIKKOR lenses (including; AF-I, AF-S, DX, VR and D-/G-type). Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.	All functions possible with all AF NIKKOR lenses (including; AF-I, AF-S, DX, VR and D-/G-type). Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.	All functions possible with all AF NIKKOR lenses (including; AF-I, AF-S, DX, VR and D-/G-type). Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.
Viewfinder	Viewfinder Type	SLR optical-type fixed eye-level pentaprism; built-in diopter adjustment (-3 to +1 m^{-1}), Eyepiece shutter provided	SLR optical-type fixed eye-level pentaprism; built-in diopter adjustment (-3 to +1 m^{-1}), Eyepiece shutter provided	SLR optical-type fixed eye-level pentaprism; built-in diopter adjustment (-2 to +1 m^{-1}), Eyepiece shutter provided	SLR optical-type fixed eye-level pentaprism; built-in diopter adjustment (-2.0 to 1.0m^{-1})
	Viewfinder Frame Coverage and Magnification	Approx. 100% Approx. 0.74x with 50mm lens set to infinity; -1.0m^{-1}	Approx. 100% Approx. 0.74x with 50mm lens set to infinity; -1.0m^{-1}	Approx. 95% Approx. 0.72x with 50mm lens set to infinity; -1.0m^{-1}	Approx. 100% Approx. 0.94x with 50mm lens set to infinity; -1.0m^{-1}
	Viewfinder Accessories (optional)	1) DG-2 Eyepiece Magnifier 2) DK-17A Anti-Fog Eyepiece 3) DK-19 Rubber Eye Cup 4) DK-17M Magnifying Eyepiece 5) DR-5 Right Angle Viewing Attachment 6) DK-18 Eyepiece Adapter 7) DK-17C Correction Eyepieces	1) DG-2 Eyepiece Magnifier 2) DK-17A Anti-Fog Eyepiece 3) DK-19 Rubber Eye Cup 4) DK-17M Magnifying Eyepiece 5) DR-5 Right Angle Viewing Attachment 6) DK-18 Eyepiece Adapter 7) DK-17C Correction Eyepieces	1) DG-2 Eyepiece Magnifier 2) DK-17A Anti-Fog Eyepiece 3) DK-19 Rubber Eye Cup 4) DK-17M Magnifying Eyepiece 5) DR-5 Right Angle Viewing Attachment 6) DK-18 Eyepiece Adapter 7) DK-17C Correction Eyepieces	1) DR-6 Angle Finder 2) DK-20C Correction Eyepieces (-5 to +3m^{-1}) 3) DK-21M Eyepiece Magnifier (Requires DK-22 Eyepiece Adapter)
Focus	Autofocus System	TTL phase detection, Nikon Multi-CAM 3500FX autofocus module	TTL phase detection, Nikon Multi-CAM 3500FX autofocus module	TTL phase detection, Nikon Multi-CAM 3500FX autofocus module	TTL phase detection, Nikon Multi-CAM 3500DX autofocus module
	AF Lens Servo	1) Single servo AF [S] 2) Continuous servo AF [C] 3) Manual focus [M] 4) Focus Tracking automatically activated by subject's status in [S] or [C] AF using Scene Recognition System	1) Single servo AF [S] 2) Continuous servo AF [C] 3) Manual focus [M] 4) Focus Tracking automatically activated by subject's status in [S] or [C] AF using Scene Recognition System	1) Single servo AF [S] 2) Continuous servo AF [C] 3) Manual focus [M] 4) Focus Tracking automatically activated by subject's status in [S] or [C] AF using Scene Recognition System	1) Single servo AF [S] 2) Continuous servo AF [C] 3) Manual focus [M] 4) Focus Tracking automatically activated by subject's status in [S] or [C] AF using Scene Recognition System
	Focus Area/Sensors	51 area or 11 areas; any single area can be selected	51 area or 11 areas; any single area can be selected	51 area or 11 areas; any single area can be selected	51 area or 11 areas; any single area can be selected
	AF Area Mode	1) Single Area AF 2) 9 Group Dynamic AF 3) 21 Group Dynamic AF 4) 51 Group Dynamic 5) 51 Group Dynamic with 3D Focus Tracking 6) Auto Area using 51 points	1) Single Area AF 2) 9 Group Dynamic AF 3) 21 Group Dynamic AF 4) 51 Group Dynamic 5) 51 Group Dynamic with 3D Focus Tracking 6) Auto Area using 51 points	1) Single Area AF 2) 9 Group Dynamic AF 3) 21 Group Dynamic AF 4) 51 Group Dynamic 5) 51 Group Dynamic with 3D Focus Tracking 6) Auto Area using 51 points	1) Single Area AF 2) 9 Group Dynamic AF 3) 21 Group Dynamic AF 4) 51 Group Dynamic 5) 51 Group Dynamic with 3D Focus Tracking 6) Auto Area using 51 points
	Focusing Screen	Type-B BriteView Clear Matte Screen VI	Type-B BriteView Clear Matte Screen VI	Type-B BriteView Clear Matte Screen Mark III with Superimposed focus brackets and On-Demand grid lines	Type-B BriteView Clear Matte Screen Mark II with Superimposed focus brackets and On-Demand grid lines
	Optional Focusing Screens	Type-E with grid	Type-E with grid	No	No
	Depth of Field Preview	Functional with CPU-equipped NIKKOR lenses in P, S, A and M mode	Functional with CPU-equipped NIKKOR lenses in P, S, A and M mode	Functional with CPU-equipped NIKKOR lenses in P, S, A and M mode	Functional with CPU-equipped NIKKOR lenses in P, S, A and M mode
White Balance		1) Auto (hybrid with 1,005-pixel RGB Sensor, CMOS image sensor and Scene Recognition System) 2) Six (6) manual modes with fine tuning 3) 5 user defined presets with fine tuning 4) Color temperature setting (Kelvin) 5) 2-9 exposure white balance bracketing	1) Auto (hybrid with 1,005-pixel RGB Sensor, CMOS image sensor and Scene Recognition System) 2) Six (6) manual modes with fine tuning 3) 5 user defined presets with fine tuning 4) Color temperature setting (Kelvin) 5) 2-9 exposure white balance bracketing	1) Auto (hybrid with 1,005-pixel RGB Sensor, CMOS image sensor and Scene Recognition System) 2) Six (6) manual modes with fine tuning 3) 5 user defined presets with fine tuning 4) Color temperature setting (Kelvin) 5) 2-9 exposure white balance bracketing	1) Auto (hybrid with 1,005-pixel RGB Sensor, CMOS image sensor and Scene Recognition System) 2) Six (6) manual modes with fine tuning 3) 5 user defined presets with fine tuning 4) Color temperature setting (Kelvin) 5) 2-9 exposure white balance bracketing

D200	D90	D80	D60	D40
Nikon F Bayonet	Nikon F Bayonet	Nikon F Bayonet	Nikon F Bayonet	Nikon F Bayonet
All functions possible with all AF NIKKOR lenses (including AF-S, DX, VR and D-/G-type). Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. IX NIKKOR lenses cannot be used. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.	All functions possible with all AF NIKKOR lenses (including; AF-I, AF-S, DX, VR and D-/G-type). Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.	All functions possible with all AF NIKKOR lenses (including AF-S, DX, VR and D-/G-type). Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. IX NIKKOR lenses cannot be used. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.	All functions possible with all AF-S and AF-I NIKKOR lenses. All functions except AF with all other G or D type AF-NIKKOR lenses. Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. IX NIKKOR lenses cannot be used. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.	All functions possible with all AF-S and AF-I NIKKOR lenses. All functions except AF with all other G or D type AF-NIKKOR lenses. Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. IX NIKKOR lenses cannot be used. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.
SLR ptical-type fixed eye-level pentaprism; built-in diopter adjustment (-2.0 to 1.0m^{-1})	SLR optical-type fixed eye-level pentaprism; built-in diopter adjustment (-2.0 to 1.0m^{-1})	Optical-type fixed eye-level pentaprism; built-in diopter adjustment (-2.0 to 1.0m^{-1})	Fixed eye-level penta-Dach-mirror type; built-in diopter adjustment (-1.7 to 0.5m^{-1})	Fixed eye-level penta-Dach-mirror type; built-in diopter adjustment (-1.7 to 0.5m^{-1})
Approx. 95% Approx. 0.94x with 50mm lens at infinity; -1.0m^{-1}	Approx. 96% Approx. 0.94x with 50mm lens set at infinity; -1.0m^{-1}	Approx. 95% Approx. 0.94x with 50mm lens at infinity; -1.0m^{-1}	Approx. 95% Approx. 0.80x with 50mm lens at infinity; -1.0m^{-1}	Approx. 95% Approx. 0.80x with 50mm lens at infinity; -1.0m^{-1}
1) DR-6 Angle Finder 2) DK-20C Correction Eyepieces (-5 to +3m^{-1}) 3) DK-21M Eyepiece Magnifier (Requires DK-22 Eyepiece Adapter)	1) DR-6 Angle Finder 2) DK-20C Correction Eyepieces (-5 to +3m^{-1}) 3) DK-21M Eyepiece Magnifier (Requires DK-22 Eyepiece Adapter)	1) DR-6 Angle Finder 2) DK-20C Correction Eyepieces (-5 to +3m^{-1}) 3) DK-21M Eyepiece Magnifier (Requires DK-22 Eyepiece Adapter)	1) DR-6 Angle Finder 2) DK-20C Correction Eyepieces (-5 to +3m^{-1}) 3) DK-21M Eyepiece Magnifier (Requires DK-22 Eyepiece Adapter)	1) DR-6 Angle Finder. 2) DK-20C Correction Eyepieces (-5 to +3m^{-1}) 3) DK-21M Eyepiece Magnifier (Requires DK-22 Eyepiece Adapter)
TTL phase detection by Nikon Multi-CAM 1000 autofocus module with AF-assist illuminator	TTL phase detection Nikon Multi-CAM 1000 autofocus module with, AF-assist illuminator	TTL phase detection by Nikon Multi-CAM 1000 autofocus module with AF-assist illuminator	TTL phase detection by Nikon Multi-CAM 530 autofocus module with AF-assist illuminator	TTL phase detection by Nikon Multi-CAM 530 autofocus module with AF-assist illuminator
1) Single Servo AF [S] 2) Continuous servo AF [C] 3) Manual [M] 4) Focus Tracking automatically activated by subject's status in [S] or [C] AF	1) Single servo AF [S] 2) Continuous servo AF [C] 3) Manual focus [M] 4) Focus Tracking automatically activated by subject's status in [S] or [C] AF using Scene Recognition System	1) Single Servo AF [S] 2) Continuous servo AF [C] 3) AF-A : auto AF-S/ AF-C selection 4) Manual [M] 5) Predictive focus tracking automatically activated according to subject's status	1) Single Servo AF [S] 2) Continuous servo AF [C] 3) AF-A: auto AF-S/ AF-C selection 4) Manual [M]	1) Single Servo AF [S] 2) Continuous servo AF [C] 3) AF-A: auto AF-S/ AF-C selection 4) Manual [M]
11 focus areas or 7 Area Wide-AF mode; any single area can be selected in either mode	11 focus areas; any single area can be selected; center focus area can be switched from normal to wide-frame operation	11 focus areas; any single area can be selected; center focus area can be switched from normal to wide-frame operation	3 focus areas: any single area can be selected	3 focus areas: any single area can be selected
1) Single Area AF 2) Dynamic-area AF 3) Dynamic-area AF with closest subject priority	1) Single-servo AF 2) Continuous servo AF 3) 3D tracking AF (11 points) 4) Auto Area AF using 11 points 5) Manual (M)	1) Single Area AF 2) Dynamic Area AF 3) Auto-area AF	1) Single Area AF, 2) Dynamic Area AF 3) Dynamic-area AF with closest subject priority	1) Single Area AF, 2) Dynamic Area AF 3) Dynamic-area AF with closest subject priority
Type-B BriteView Clear Matte Screen Mark II with Superimposed focus brackets and On-Demand grid lines	Type-B BriteView Clear Matte Screen Mark II with Superimposed focus brackets and On-Demand grid lines	Type-B BriteView Clear Matte Screen Mark II with Superimposed focus brackets and On-Demand grid lines	Type-B BriteView Clear Matte Screen Mark II with Superimposed focus brackets	Type-B BriteView Clear Matte Screen Mark II with Superimposed focus brackets
No	No	No	No	No
Functional with CPU-equipped NIKKOR lenses in P, S, A and M mode	Functional with CPU-equipped NIKKOR lenses in P, S, A and M mode	Functional with CPU-equipped NIKKOR lenses in P, S, A and M mode	No	No
1) Auto (TTL white balance with 1005-pixel RGB sensor) 2) Six (6) manual modes with fine-tuning, color temperature setting (Kelvin) 3) Preset white balance 4) 2-9 exposure white balance bracketing	1) Auto (TTL white balance with 420-pixel RGB sensor) 2) Six (6) manual modes with fine-tuning 3) Color temperature setting (Kelvin) 4) Preset white balance 5) 2 or 3 exposure white balance bracketing	1) Auto (TTL white balance with 420-pixel RGB sensor) 2) Six (6) manual modes with fine-tuning 3) Color temperature setting (Kelvin) 4) Preset white balance 5) 2 or 3 exposure white balance bracketing	1) Auto (TTL white balance with 420-pixel RGB sensor) 2) Six (6) manual modes with fine-tuning, color temperature setting (Kelvin) 3) Preset white balance	1) Auto (TTL white balance with 420-pixel RGB sensor) 2) Six (6) manual modes with fine-tuning, color temperature setting (Kelvin) 3) Preset white balance

DIGITAL SLR COMPARISON CHART

		D3X	D3	D700	D300
Exposure	ISO Sensitivity Range	100 to 1600 (ISO equivalent) in steps of 1/3 EV, LO-0.3, LO-0.7 LO-1.0, HI-0.3, HI-0.7, HI-1 and HI-2	200 to 6400 (ISO equivalent) in steps of 1/3 EV, LO-0.3, LO-0.7 LO-1.0, HI-0.3, HI-0.7, HI-1 and HI-2	200 to 6400 (ISO equivalent) in steps of 1/3 EV, LO-0.3, LO-0.7 LO-1.0, HI-0.3, HI-0.7, HI-1 and HI-2	200 to 3200 (ISO equivalent) in steps of 1/3 EV, LO-0.3, LO-0.7 LO-1.0, HI-0.3, HI-0.7, HI-1
	Exposure Metering Range	1) EV 0 to 20 (3D Color Matrix or Center-weighted metering) 2) EV 2 to 20 (spot metering)	1) EV 0 to 20 (3D Color Matrix or Center-weighted metering) 2) EV 2 to 20 (spot metering)	1) EV 0 to 20 (3D Color Matrix or Center-weighted metering) 2) EV 2 to 20 (spot metering)	1) EV 0 to 20 (3D Color Matrix or Center-weighted metering) 2) EV 2 to 20 (spot metering)
	Exposure Modes	1) Programmed Auto with flexible program 2) Shutter-Priority Auto 3) Aperture-Priority Auto 4) Manual	1) Programmed Auto with flexible program 2) Shutter-Priority Auto 3) Aperture-Priority Auto 4) Manual	1) Programmed Auto with flexible program 2) Shutter-Priority Auto 3) Aperture-Priority Auto 4) Manual	1) Programmed Auto with flexible program 2) Shutter-Priority Auto 3) Aperture-Priority Auto 4) Manual
	Exposure Compensation	±5 EV in increments of 1/3, 1/2 or 1 EV	±5 EV in increments of 1/3, 1/2 or 1 EV	±5 EV in increments of 1/3, 1/2 or 1 EV	±5 EV in increments of 1/3, 1/2 or 1 EV
	Auto Exposure Lock	Detected exposure value locked by pressing AE-L/AF-L button	Detected exposure value locked by pressing AE-L/AF-L button	Detected exposure value locked by pressingAE-L/AF-L button	Detected exposure value locked by pressing AE-L/AF-L button
	Auto Exposure Bracketing	2 to 9 exposures in increments of 1/3, 1/2, 2/3 or 1 EV steps	2 to 9 exposures in increments of 1/3, 1/2, 2/3 or 1 EV steps	2 to 9 exposures in increments of 1/3, 1/2, 2/3 or 1 EV steps	2 to 9 exposures in increments of 1/3, 1/2, 2/3 or 1 EV steps
	Active D-Lighting	4 levels and Auto	3 levels	3 levels and Auto	3 levels
Custom Settings	Total custom Settings	44	44	50	48
	My Menu	Yes: with customization	Yes: with customization	Yes: with customization	Yes: with customization
	Recent Settings	Yes	Yes	Yes	Yes
Shutter Release	Top Framing Rate	1) Up to 5 frames-per-second at full resolution 2) Up to 7 frames-per-second in DX Crop	1) Up to 9 frames-per-second 2) Up to 11 frames-per-second DX Crop – with some limitations	1) Up to 5 frames-per-second 2) Up to 8 frames-per-second with optional MB-D10 Multi-power Battery Pack	1) Up to 6 frames-per-second 2) Up to 8 frames-per-second with optional MB-D10 Multi-power Battery Pack
	Shutter Speed Range	30 to 1/8,000th sec. in steps of 1/3, 1/2 or 1 EV, bulb	30 to 1/8,000th sec. in steps of 1/3, 1/2 or 1 EV, bulb	30 to 1/8,000th sec. in steps of 1/3, 1/2 or 1 EV, bulb	30 to 1/8,000th sec. in steps of 1/3, 1/2 or 1 EV, bulb
	Shutter type	Electronically-controlled vertical-travel focal plane shutter	Electronically-controlled vertical-travel focal plane shutter	Electronically-controlled vertical-travel focal plane shutter	Electronically-controlled vertical-travel focal plane shutter
	Self-Timer	2,5,10 or 20 seconds	2,5,10 or 20 seconds	2,5,10 or 20 seconds	2,5,10 or 20 seconds
	Remote Control	Via 10-pin remote terminal	Via 10-pin remote terminal	Via 10-pin remote terminal	Via 10-pin remote terminal
Flash	Built-in Flash	No	No	Manual pop-up with button release	Manual pop-up with button release
	Built-in Flash Guide Number	N/A	N/A	Approx. 56 ft rated at ISO 200 value	Approx. 55 ft rated at 200 ISO value
	Flash Modes With Compatible Nikon Speedlights (For more information on Speedlight feature compatibility, please refer to the camera's brochure)	1) i-TTL Balanced Fill-Flash with Scene Recognition System 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority	1) i-TTL Balanced Fill-Flash with Scene Recognition System 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority	1) i-TTL Balanced Fill-Flash with Scene Recognition System 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority	1) i-TTL Balanced Fill-Flash with Scene Recognition System 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority
	Flash Sync Modes	1) Front Curtain Sync (normal) 2) Slow Sync 3) Rear-curtain Sync 4) Red-eye Reduction with Slow Sync	1) Front Curtain Sync (normal) 2) Slow Sync 3) Rear-curtain Sync 4) Red-eye Reduction with Slow Sync	1) Front Curtain sync (normal) 2) Slow Sync 3) Rear-curtain Sync 4) Red-eye Reduction with Slow Sync	1) Front Curtain Sync (normal) 2) Slow sync 3) Rear-curtain Sync 4) Red-eye Reduction with Slow Sync
	Top Flash Sync TTL	1/250th sec.	1/250th sec.	1/250th sec. or 1/320th sec.	1/250th sec. or 1/320th sec.
	Auto FP High-Speed Flash Sync	1/8,000th sec.	1/8,000th sec.	1/8,000th sec.	1/8,000th sec.

D200	D90	D80	D60	D40
100 to 1600 (ISO equivalent) in steps of 1/3 EV, plus HI-0.3 HI-0.7 and HI-1	200 to 3200 (ISO equivalent) in steps of 1/3 EV, LO-0.3, LO-0.7 LO-1.0, HI-0.3, HI-0.7, HI-1	100 to 1600 (ISO equivalent) in steps of 1/3 EV, plus HI-0.3, HI-0.7 and HI-1	100 to 1600 (ISO equivalent) in steps of 1 EV, plus Hi-1 setting (3200 equivalent)	200 to 1600 (ISO equivalent) in steps of 1 EV, plus Hi-1 setting (3200 equivalent)
1) EV 0 to 20 (3D Color Matrix or Center-weighted metering) 2) EV 2 to 20 (spot metering)	1) EV 0 to 20 (3D Color Matrix or Center-weighted metering) 2) EV 2 to 20 (spot metering)	1) EV 0 to 20 (3D Color Matrix or Center-weighted metering) 2) EV 2 to 20 (spot metering)	1) EV 0 to 20 (3D Color Matrix or Center-weighted metering) 2) EV 2 to 20 (spot metering)	1) EV 0 to 20 (3D Color Matrix or Center-weighted metering) 2) EV 2 to 20 (spot metering)
1) Programmed Auto with flexible program 2) Shutter-Priority Auto 3) Aperture-Priority Auto 4) Manual	1) 5 Advanced Scene Modes 2) Auto 3) Auto-Flash Off 4) Programmed Auto with flexible program 5) Shutter-Priority Auto 6) Aperture Priority Auto 7) Manual	1) 7 Digital Vari-Programs 2) Programmed Auto with flexible program 3) Shutter-Priority Auto 4) Aperture-Priority Auto 5) Manual	1) 7 Digital Vari-Programs 2) Programmed Auto with flexible program 3) Shutter-Priority Auto 4) Aperture-Priority Auto 5) Manual	1) 7 Digital Vari-Programs 2) Programmed Auto with flexible program 3) Shutter-Priority Auto 4) Aperture-Priority Auto 5) Manual
±5 EV in increments of 1/3, or 1/2 EV	±5 EV in increments of 1/3, or 1/2 EV	±5 EV in increments of 1/3, or 1/2 EV	±5 EV in increments, of 1/3 EV	±5 EV in increments, of 1/3 EV
Detected exposure value locked by pressing AE-L/AF-L button	Detected exposure value locked by pressingAE-L/AF-L button	Detected exposure value locked by pressing AE-L/AF-L button	Detected exposure value locked by pressing AE-L/AF-L button	Detected exposure value locked by pressing AE-L/AF-L button
2 to 9 exposures in increments between. 1/3 to 2.0 EV (±2 EV)	2 to 3 exposures in increments between 1/3 to 1.0 EV (±1 EV) and 2 exposure D-lighting bracketing	2 to 3 exposures in increments between 1/3 to 2.0 EV (±2 EV)	No	No
No	4 levels and Auto	No	1 level	No
44	41	32	11	17
No	Yes: with customization	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes
Up to 5 frames-per-second	Up to 4.5 frames-per-second	Up to 3 frames-per-second	Up to 3 frames-per-second	Up to 2.5 frames-per-second
30 to 1/8,000th sec. in steps of 1/3, 1/2 or 1 EV, bulb	30 to 1/4,000th sec. in steps of 1/3 or 1/2 EV, bulb	30 to 1/4,000th sec. in steps of 1/3 or 1/2 EV, bulb	30 to 1/4,000th sec. in steps of 1/3 EV	30 to 1/4,000th sec. in steps of 1/3 EV
Electronically-controlled vertical-travel focal plane shutter	Electronically-controlled vertical-travel focal plane shutter	Electronically-controlled vertical-travel focal plane shutter	Electronically-controlled vertical-travel focal plane shutter	Combined mechanical and CCD electronic shutter
2,5,10 or 20 seconds	2,5,10 or 20 seconds	2,5,10 or 20 seconds	2,5,10 or 20 seconds	2,5,10 or 20 seconds
Via 10-pin remote terminal	Via ML-L3 Wireless Remote Controller (optional) or Via MC-DC2 wired remote controller (optional)	Via ML-L3 Wireless Remote Controller (optional) or Via MC-DC1 wired remote controller (optional)	Via ML-L3 Wireless Remote Controller (optional)	Via ML-L3 Wireless Remote Controller (optional)
Manual pop-up with button release	1) Auto flash with auto pop-up 2) Manual pop-up with button release	1) Auto flash with auto pop-up 2) Manual pop-up with button release	1) Auto flash with auto pop-up 2) Manual pop-up with button release (P, S, A and M)	1) Auto flash with auto pop-up 2) Manual pop-up with button release (P, S, A and M)
Approx. 55 ft rated at 200 ISO value	Approx. 42 ft rated at 200 ISO value	Approx. 59 ft rated at 200 ISO value	Approx. 55 ft rated at 200 ISO value	Approx. 55 ft rated at 200 ISO value
1) i-TTL Balanced Fill-Flash 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority	1) i-TTL Balanced Fill-Flash with Scene Recognition System 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority	1) i-TTL Balanced Fill-Flash 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority	1) i-TTL Balanced Fill-Flash 2) Auto Aperture 3) Non-TTL Auto	1) i-TTL Balanced Fill-Flash 2) Auto Aperture 3) Non-TTL Auto
1) Auto 2) Fill-in Flash 3) Red-eye Reduction 4) Red-eye Reduction with Slow Sync 5) Slow Sync 6) Rear-curtain Sync 7) Off	1) Auto 2) Fill-in Flash 3) Red-eye Reduction 4) Red-eye Reduction with Slow Sync 5) Slow Sync 6) Rear-curtain Sync 7) Off	1) Auto 2) Fill-in Flash 3) Red-eye Reduction 4) Red-eye Reduction with Slow Sync 5) Slow Sync 6) Rear-curtain Sync 7) Off	1) Auto 2) Fill-in Flash 3) Red-eye Reduction 4) Red-eye Reduction with Slow Sync 5) Slow Sync 6) Rear-curtain Sync 7) Off	1) Auto 2) Fill-in Flash 3) Red-eye Reduction 4) Red-eye Reduction with Slow Sync 5) Slow Sync 6) Rear-curtain Sync 7) Off
1/250th sec.	1/200th sec.	1/200th sec.	1/200th sec.	1/500th sec.
1/8,000th sec.	1/4,000th sec.	1/4000th sec.	No	No

DIGITAL SLR COMPARISON CHART

		D3X	D3	D700	D300
Flash (Continued)	Flash Compensation	N/A	N/A	-3 to +1 EV in increments of 1/3 or 1/2 EV	-3 to +1 EV in increments of 1/3 or 1/2 EV
	Flash Bracketing	2 to 9 exposures in increments of 1/3, 1/2, 2/3 or 1 EV steps	2 to 9 exposures in increments of 1/3, 1/2, 2/3 or 1 EV steps	2 to 9 exposures in increments of 1/3, 1/2, 2/3 or 1 EV steps	2 to 9 exposures in increments of 1/3, 1/2, 2/3 or 1 EV steps
	Built-in Flash/ Commander Mode	No Commander Option	No Commander Option	Two-Group Wireless Commander with SB-900, SB-800, SB-600 and SB-R200 Speedlights	Two-Group Wireless Commander with SB-900, SB-800, SB-600 and SB-R200 Speedlights
In-Camera Editing	Retouch Menu	1) D-Lighting 2) Red-eye Correction 3) Image Trimming 4) Monochrome 5) Filter Effects 6) Small Picture 7) Image Overlay 8) Side by side comparison	1) D-Lighting 2) Red-eye Correction 3) Image Trimming 4) Monochrome 5) Filter Effects 6) Small Picture 7) Image Overlay 8) Side by side comparison	1) D-Lighting 2) Red-eye Correction 3) Image Trimming 4) Monochrome 5) Filter Effects 6) Small Picture 7) Image Overlay 8) Side by side comparison	1) D-Lighting 2) Red-eye Correction 3) Image Trimming 4) Monochrome 5) Filter Effects 6) Small Picture 7) Image Overlay
	High ISO Noise Reduction	1) Low 2) Normal 3) High 4) Off	1) Low 2) Normal 3) High 4) Off	1) Low 2) Normal 3) High 4) Off	1) Low 2) Normal 3) High 4) Off
	Long Exposure Noise Reduction	Yes	Yes	Yes	Yes
Power	Power Source (included)	One EN-EL4a Rechargeable Li-ion Battery	One EN-EL4a Rechargeable Li-ion Battery	One EN-EL3e Rechargeable Li-ion Battery	One EN-EL3e Rechargeable Li-ion Battery
	Images per Battery Chargew	Up to 4,400 (CIPA Measurement Standard)	Up to 4,300 (CIPA Measurement Standard)	Up to 1,000 (CIPA Measurement Standard)	Up to 1,000 (CIPA Measurement Standard)
	Optional AC Power Supply	EH-6 AC Adapter	EH-6 AC Adapter	EH-5a AC Adapter	EH-5a AC Adapter
Accessory	Supplied Accessories	EN-EL4a Rechargeable Li-ion Battery, MH-22 Quick Charger, UC-E4 USB Cable, EG-D2 Audio Video Cable, AN-D3X Camera Strap, BF-1A Body Cap, BS-2 Accessory Shoe Cap, BL-4 Battery Chamber Cover, USB Cable Clip, Software Suite CD-ROM	EN-EL4a Rechargeable Li-ion Battery, MH-22 Quick Charger, UC-E4 USB Cable, EG-D2 Audio Video Cable, AN-D3 Camera Strap, BF-1A Body Cap, BS-2 Accessory Shoe Cap, BL-4 Battery Chamber Cover, USB Cable Clip, Software Suite CD-ROM	EN-EL3e Rechargeable Li-ion Battery, MH-18a Quick Charger, UC-E4 USB Cable, EG-D100 Video Cable, AN-D700 Strap, BM-9 LCD monitor cover, BF-1A Body cap, BS-1 accessory shoe cover, Software Suite CD-ROM	EN-EL3e Rechargeable Li-ion Battery, MH-18a Quick Charger, UC-E4 USB Cable, EG-D100 Video Cable, AN-D300 Strap, BM-8 LCD monitor cover, BF-1A Body cap, DK-5 Eyepiece Cap, DK-23 Rubber Eyecup, Software Suite CD-ROM
	Battery Grip(s) Optional	No	No	MB-D10 Multi-power Battery Pack accepts one rechargeable Nikon EN-EL3e Li-ion battery Eight AA alkaline (LR6), Ni-MH (HR6), lithium (FR6) batteries, or nickel-manganese (ZR6) AA batteries, or one EN-EL4a battery with BL-3	MB-D10 Multi-power Battery Pack accepts one rechargeable Nikon EN-EL3e Li-ion battery Eight AA alkaline (LR6), Ni-MH (HR6), lithium (FR6) batteries, or nickel-manganese (ZR6) AA batteries, or one EN-EL4a battery with BL-3
Connectivity	TV Output	NTSC, PAL, HDMI	NTSC, PAL, HDMI	NTSC, PAL, HDMI	NTSC, PAL, HDMI
	WiFi Functionality	FTP file transfer available and PTP/IP with optional WT-4a (IEEE 802.11a/b/g)	FTP file transfer available and PTP/IP with optional WT-4a (IEEE 802.11a/b/g)	FTP file transfer available and PTP/IP with optional WT-4a (IEEE 802.11a/b/g)	FTP file transfer available and PTP/IP with optional WT-4a (IEEE 802.11a/b/g)
	Interface / Connectivity	USB 2.0 (Hi-Speed) (Mini-B connector) HDMI Output: supports HDMI version 1.3a, type A connector, 2 CF card slots: supports UDMA, supports firmware updates via CF cards	USB 2.0 (Hi-Speed) (Mini-B connector) HDMI Output: supports HDMI version 1.3a, type A connector, 2 CF card slots: supports UDMA, supports firmware updates via CF cards	USB 2.0 (Hi-Speed) (Mini-B connector) HDMI Output: supports HDMI version 1.3a, type C mini-pin connector, CF card slot: supports UDMA, supports firmware updates via CF cards	USB 2.0 (Hi-Speed) (Mini-B connector) HDMI Output: supports HDMI version 1.3a, type A connector, CF card slot: supports UDMA, supports firmware updates via CF cards
	GPS	With optional GPS-Unit GP-1 and supplied Connecting Cord or via optional MC-35 GPS Cable (requires user's own GPS unit that conforms to NMEA0183 data protocol)	With optional GPS-Unit GP-1 and supplied Connecting Cord or via optional MC-35 GPS Cable (requires user's own GPS unit that conforms to NMEA0183 data protocol)	With optional GPS-Unit GP-1 and supplied Connecting Cord or via optional MC-35 GPS Cable(requires user's own GPS unit that conforms to NMEA0183 data protocol)	With optional GPS-Unit GP-1 and supplied Connecting Cord or via optional MC-35 GPS Cable (requires user's own GPS unit that conforms to NMEA0183 data protocol)
Physical Specifications	Dimensions (W x H x D)	Approx. 6.3 x 6.2 x 3.4 in.	Approx. 6.3 x 6.2 x 3.4 in.	Approx. 5.8 x 4.8 x 3.0 in.	Approx. 5.8 x 4.5 x 2.9 in.
	Weight	Approx. 2.lbs. 11oz. without battery or memory card	Approx. 2.lbs. 11oz. without battery or memory card	Approx. 2lbs. 1oz. without battery, memory card or monitor cover	Approx. 1 lbs. 13oz. without battery, memory card or monitor cover

D200	D90	D80	D60	D40
-3 to +1 EV in increments of 1/3 or 1/2 EV	-3 to +1 EV in increments of 1/3 or 1/2 EV	-3 to +1 EV in increments of 1/3 or 1/2 EV	-3 to +1 EV in increments of 1/3 EV	-3 to +1 EV in increments of 1/3 or 1/2 EV
2 to 9 exposures in increments between 1/3 to 2.0 EV	2 to 3 exposures in increments between 1/3 to 2.0 EV	2 to 3 exposures in increments between 1/3 to 2.0 EV	No	No
Two-Group Wireless Commander with SB-900, SB-800, SB-600 and SB-R200 Speedlights	Two-Group Wireless Commander with SB-900, SB-800, SB-600 and SB-R200 Speedlights	Two-Group Wireless Commander with SB-900, SB-800, SB-600 and SB-R200 Speedlights	No Commander Option	No Commander Option
No	1) D-lighting 2) Red-eye Correction 3) Image Trimming 4) Monochrome 5) Filter Effects 6)Color balance 7) Small Picture 8) Image Overlay 9) NEF (RAW) processing 10)Quick retouch 11)Straighten 12)Distortion control 13) Fisheye	1) D-Lighting 2) Red-eye Correction 3) Image Trimming 4) Monochrome 5) Filter Effects 6) Small Picture 7) Image Overlay	1) D-Lighting 2) Red-eye Correction 3) Image Trimming 4) Image Overlay 5) Monochrome 6) Filter Effects 7) Small Picture 8) NEF (RAW) Processing 9) Stop Motion Movie 10) Quick Re-Touch	1) D-Lighting 2) Red-eye Correction 3) Image Trimming 4) Monochrome 5) Filter Effects 6) Small Picture 7) Image Overlay
1) Low 2) Normal 3) High 4) Off	1) Low 2) Normal 3) High 4) Off	1) Low 2) Normal 3) High 4) Off	Yes	Yes
Yes	Yes	Yes	Yes	Yes
One EN-EL3e Rechargeable Li-ion Battery	One EN-EL3e Rechargeable Li-ion Battery	One EN-EL3e Rechargeable Li-ion Battery	One EN-EL9 Rechargeable Li-ion Battery	One EN-EL9 Rechargeable Li-ion Battery
Up to 1,800 (Nikon Measurement Standard)	Up to 850 (CIPA Measurement Standard)	Up to 2,700 (Nikon Measurement Standard)	Up to 500 (CIPA Measurement Standard)	Up to 470 (CIPA Measurement Standard)
EH-6 AC Adapter	EH-5a AC Adapter	EH-5a AC Adapter	EH-5a AC Adapter requires EP-5 Adapter	EH-5a AC Adapter requires EP-5 Adapter
Rechargeable Li-ion Battery EN-EL3e, Quick Charger MH-18a, EG-D100 Video Cable, BS-1 Accessory Shoe Cover, USB Cable UC-E4, Strap, BF-1A Body cap, DK-5 Eyepiece Cap, Rubber Eyecup DK-21, LCD monitor cover BM-6, Software Suite CD-ROM	EN-EL3e Rechargeable Li-ion Battery, MH-18a Quick Charger, Eyepiece cap DK-5, Rubber eyecup DK-21, USB Cable UC-E4, Audio Video Cable EG-D2, Camera Strap AN-DC1, LCD Monitor Cover BM-10, Body cap, BS-1 Accessory Shoe Cover, Software Suite CD-ROM	EN-EL3e Rechargeable Li-ion Battery, MH-18a Quick Charger, EG-100 Audio Video Cable, UC-E4 USB Cable, AN-DC1 Strap, BF-A Body cap, DK-5 Eyepiece Cap, DK-21 Rubber Eyecup, BM-7 LCD monitor cover, BS-1 Accessory shoe cover, Software Suite CD-ROM	EN-EL9 Rechargeable Li-ion Battery, MH-23 Quick Charger, UC-E4 USB Cable, DK-20 Rubber Eyecup, AN-DC1 Camera Strap, BF-1A Body Cap, DK-5 Eyepiece Cap, BS-1 Accessory Shoe Cover, Software Suite CD-ROM	EN-EL9 Rechargeable Li-ion Battery, MH-23 Quick Charger, UC-E4 USB Cable, Software Suite CD-ROM, DK-16 Rubber Eyecup, AN-DC1 Camera Strap, BF-1A Body Cap, DK-5 Eyepiece Cap, BS-1 Accessory Shoe Cap
MB-D200 Multi-power Battery Pack accepts one or two rechargeable Nikon EN-EL3e Li-ion batteries or Six AA alkaline (LR6), Ni-MH (HR6), lithium (FR6) batteries, or nickel-manganese (ZR6) AA batteries	MB-D80 Multi-power Battery Pack accepts one or two rechargeable Nikon EN-EL3e Li-ion batteries or Six AA alkaline (LR6), Ni-MH (HR6), lithium (FR6) batteries, or nickel-manganese (ZR6) AA batteries	MB-D80 Multi-power Battery Pack accepts one or two rechargeable Nikon EN-EL3e Li-ion batteries or Six AA alkaline (LR6), Ni-MH (HR6), lithium (FR6) batteries, or nickel-manganese (ZR6) AA batteries	No	No
NTSC, PAL	NTSC, PAL, HDMI	NTSC, PAL	NTSC, PAL	NTSC, PAL
FTP file transfer available and PTP/IP with optional WT-3a (IEEE 802.11b/g)	No	No	No	No
USB 2.0 (Hi-Speed) (Mini-B connector); CF card slot: supports firmware updates via CF cards	USB 2.0 (Hi-Speed) (Mini-B connector) HDMI Output: supports HDMI version 1.3a, type A connector, SD card slot: supports firmware updates via SD cards	USB 2.0 (Hi-speed) (Mini-B connector); SD card slot: supports firmware updates via SD cards	USB 2.0 (Hi-speed) (Mini-B connector); SD card slot: supports firmware updates via SD cards	USB 2.0 (Hi-speed) (Mini-B connector); SD card slot: supports firmware updates via SD cards
With optional GPS-Unit GP-1 and supplied Connecting Cord or via optional MC-35 GPS Cable (requires user's own GPS unit that conforms to NMEA0183 data protocol)	With optional GPS-Unit GP-1 and supplied Connecting Cord	No	No	No
Approx. 5.8 x 4.4 x 2.9 in.	Approx. 5.2 x 4.1 x 3.0 in.	Approx. 5.2 x 4.1 x 3.0 in.	Approx. 5.0 x 3.7 x 2.5 in.	Approx. 5.0 x 3.7 x 2.5 in.
Approx. 1 lb. 13 oz without battery, memory card or monitor cover	Approx. 1 lbs. 6oz. without battery, memory card or monitor cover	Approx. 1 lb. 5 oz without battery or memory card	Approx. 1 lb. 1 oz without battery or memory card	Approx. 1 lb. 1 oz without battery or memory card

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