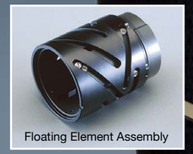
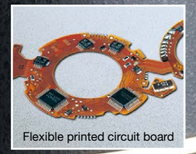
Tokina LENS CATALOG

Digital Eyes

Tokina
DIGITAL SERIES


Floating Element Assembly


Aluminum Alloy Die-Cast Model


Flexible printed circuit board


SD (Super Low Dispersion)Glass

VISIONARY TECHNOLOGY MAKES A DIFFERENCE YOU CAN SEE.

Tokina's proprietary AT-X technology has been evolving toward optical perfection for more than 30 years.

Since our mission began in 1981 we have made continuous advances. Each new model is a further refinement in a continuing legacy of excellence in design and materials. The current AT-X PRO series continues this evolution of excellence by using the most state-of-the-art technology anywhere.

More Quality Than Meets The Eye.

The Tokina difference comes from special material selection and assembly technology that employs micron-unit quality control. This ensures optimum consistency while maintaining the highest quality for every lens. Worldwide, both professionals and knowledgeable photography enthusiasts rely on Tokina lenses.

AT-X Technology

AT-X comes from our original concept of "Advanced Technology Extra." This vision encompasses a special group of lenses that are manufactured without compromise, using the most advanced design and fabrication technologies available. The use of unique and unprecedented optical systems independently pioneered by Tokina, has made advanced features, high performance, lightweight, and compact designs a reality. Of course, we have also given full attention to ergonomics and handling. To any user, AT-X means excellent performance through superior technology.

Mechanisms

1. All metallic moving parts are coated with a special lubricant to improve durability.
2. Tokina's independently developed technology maintains the high precision of mechanical fittings, accurately measured in microns.
3. Micron tolerances also give smooth operation and durability to operating rollers and internal focus cams.
4. Brass is used in the lens mount to maintain high precision. Other mechanisms are plated with hard chrome for optimum durability.

Exterior Finish

1. PRO models have a Anodized Aluminum finish to increase durability and give a top-quality feel and finish.

2 Ergonomic designs emphasize control, grip and ease of operation with textured rubber used on zoom and focus barrels. These are original Tokina materials, designed to give many years of faithful service without deterioration.

Operation

1. Use of our special alloy Duralumin for metal parts provides excellent durability, stabilizes torque and provides better handling. It also maintains smoother operation under all conditions.
2. Our special lubricant is used on moving parts, formulated to performeven under extremes of temperature.

Lens Coatings

Resistance to flare and ghosting, plus faithful color reproduction are all achieved by a unique coating technique – yet another reason for Tokina's reputation for incredibly sharp and clean images.

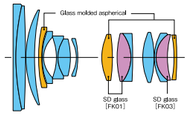
Shot by Ryosuke Takahashi

AF24-70mm F2.8

TO FIT CANON • NIKON-D

AT-X 24-70 F2.8 PRO FX

- 15 Elements in 11 Groups
- Minimum Focus Distance: 0.38m
- Angle of view: 84.20° - 34.49°
- Filter size: ø82mm



Lens Hood BH-822
The large BH-822 standerd hood with "click-lock" to stay in place.

Canon Mount Model

AT-X PRO FX Series | **Standard Zoom Lens for Full Frame DSLR Cameras**

COMPACT HIGH-PERFORMANCE STANDERD ZOOM

The Tokina AT-X 24-70mm F2.8 PRO FX lens gives photographers with full frame Canon and Nikon camera bodies a 24mm wide-angle to 70mm moderate telephoto lens with a fast F2.8 aperture at an affordable price.

The new groundbreaking proprietary optical design uses three precision molded all-glass aspherical lens elements to achieve excellent contrast, sharpness, and corrects for spherical aberrations. One of these elements is very special and difficult to manufacture. G09, is made from Super-Low Dispersion (SD) glass and is a large sized aspherical element.

These lens elements also yield even illumination across the whole image sensor.

The Tokina 24-70mm lens also uses three SD (super-low Dispersion, "FK01" and FK03") glass elements in the rear groups to control chromatic aberrations.

All these specialized lens elements work in consort to yield maximum resolution to match the 50-megapixel DSLR cameras entering the market.

The fast constant F2.8 aperture makes viewing and auto focusing possible in very low light situations while keeping some flexibility for setting the shutter speed.

In addition to excellent optics, the lens incorporates a fast moving SDM (Silent Drive-Module) motor to greatly reduce AF noise making it one of

Tokina's quickest and quietest auto-focusing lenses to date. Tokina's exclusive One-touch Focus Clutch Mechanism allows the photographer to switch between AF and MF simply by snapping the focus ring forward for AF and back toward the lens mount for manual focusing.

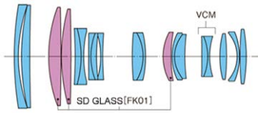
Shot by Ryosuke Takahashi

AF70-200mm F4

TO FIT NIKON-D

AT-X 70-200 F4 FX VCM-S

- 19 Elements in 14 Groups
- Minimum Focus Distance: 1.0m
- Angle of view: 34.45° - 12.42°
- Filter size: ø67mm



Lens Hood BH-672
The large BH-672 hood with "click-lock" to stay in place.

Tripod Collar Ring TM-705

COMPACT HIGH-PERFORMANCE TELEPHOTO ZOOM

Kenko Tokina Co. Ltd, is pleased to present a new Tokina AT-X 70-200mm F4 PRO FX VCM-S lens featuring a new Vibration Compensation Module and ring-shaped ultrasonic style auto-focus motor. This lens is designed for digital cameras with full sized sensors as well as APS-C (DX) sensors.

The Tokina AT-X 70-200mm lens is the first lens with Tokina's new proprietary VCM (Vibration Compensation Module). This technology allows for up to 3 stops of vibration compensation* to reduce the affect of camera shake in situations were a tripod or monopod cannot be used.

Additionally the new 70-200 Lens features a complete ring-shaped ultrasonic motor for faster and quieter auto-focus. This new motor allows for the minute adjustments between AF and manual focus modes dramatically increasing operability. The "S" denotes the new ultrasonic motor.

The optical design of this lens has 3 SD (FK01) Super-low Dispersion glass elements to correct for chromatic aberration and maintain heightened optical quality throughout the zoom range.

*It depends on CIPA standards.

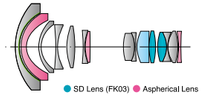
Shot by Toshiya Ogawa

AF16-28mm F2.8

TO FIT CANON • NIKON-D

AT-X 16-28 PRO FX

- 15 Elements in 13 Groups
- Minimum Focus Distance: 0.28m
- Angle of view: 107.11° - 76.87°
- Aperture Blades: 9
- Lens Hood: Built-in



FULL FRAME WIDE ZOOM

This new Tokina lens is the first in a new generation of full frame (FX) lenses designed for professional digital SLR cameras. The 16-28 zoom range gives the professional photographer a super-wide angle of view to get close to subject for dramatic effect or to take in entire scenes.

NEW Silent DC Motor with GMR Senor
The 16-28 F2.8 uses a newly developed silent DC motor that allows the lens to focus faster and more quietly than previous generations. The DC motor coupled with a new GMR sensor works together to increase AF speed.

Aspherical and Super-low Dispersion Glass Elements
A new, 56mm in diameter, large sizes aspherical glass element is incorporated into the front lens group, while there are 2 more aspherical elements in the rear group. 3 SD super-low dispersion glass elements are also incorporated through-out the optical design to reduce chromatic aberration, give maximum resolution, more even brightness and distortion correction.

One-Touch Focus Clutch
Tokina's exclusive One-touch Focus Clutch Mechanism allows the photographer to switch between AF and MF simply by snapping the focus ring forward for AF and back toward the camera to focus manually. There is no need to change the AF/MF switch on Nikon camera bodies and there is no second AF/MF switch on the lens for Canon, everything is accomplished by the focus ring.

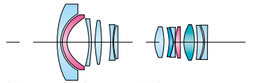
Shot by Toshiya Ogawa

AF17-35mm F4

TO FIT CANON • NIKON-D

AT-X 17-35 PRO FX

- 13 Elements in 12 Groups
- Minimum Focus Distance: 0.28m
- Angle of view: 103.96° - 64.74°
- Filter size: ø82mm



SD Lens (FK01) SD Lens (FK03) P-MO Aspherical Lens

Lens Hood BH-821
The large BH-821 wide-angle hood with "click-lock" to stay in place

SHOOT SPECTACULAR

Designed for Full-Frame cameras, the Tokina AT-X 17-35 PRO FX gives photographers a new wide-angle option. With a focal length of 17mm at the wide-side the lens yields a spectacular 103.9 degree field of view which is great for shooting in tight situations or for taking in wide expanses of space.

This compact wide-angle zoom has a bright constant F4 aperture making viewing and auto focus possible in lower light situations but still maintaining a reasonable size and weight.

Two Super-Low Dispersion glass elements and one aspheric lenses allow the proprietary optical design to achieve excellent contrast and sharpness.

Tokina's exclusive One-touch Focus Clutch Mechanism allows the photographer to switch between AF and MF simply by snapping the focus ring forward for AF and back toward the lens mount for manual focusing.

Additionally the mechanics have been designed for better seals around moving parts making the lens more water-resistant* than lenses of the past. The lens is also designed to stand up to the rigors of daily use by photographers in a wide variety of shooting conditions and environments.

The AT-X 17-35 is only water-resistant, not water-proof and is not designed to be submerged or used unprotected in heavy rain.

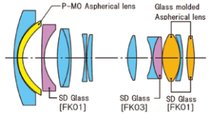
Shot by Toshiya Ogawa

AF14-20mm F2

TO FIT CANON • NIKON-D
APS-C Sized Sensor Model Only

AT-X 14-20 F2 PRO DX

- 13 Elements in 11 Groups
- Minimum Focus Distance: 0.28m
- Angle of view: 91.68° - 70.75°
- Filter size: ø82mm



Lens Hood BH-823
The large BH-823 wide-angle hood with "click-lock" to stay in place.

Canon Mount Model

SUPER-WIDE, ULTRA-FAST

The Tokina AT-X 14-20 F2 PRO DX is a wide-angle zoom lens with super-fast F2 aperture. This is the fastest lens ever made by Tokina. The lens is designed for use with either Canon or Nikon DSLR cameras with APS-C (DX) sensors.

Tokina adds its fastest lens to date to its family of fast-aperture wide-angle zooms focused on providing photographers professional quality optics and construction at an affordable price. The extremely fast F2 aperture lens offers an equivalent 21-30mm** zoom range. The super-bright, constant F2.0 aperture makes viewing, auto focus and shooting possible in very low light situations while still maintaining reasonable size and weight.

The 14-20mm has an all-new proprietary optical design that uses three aspherical lens elements (2 all-glass molded and 1 P-MO lens). This combination achieves superior contrast and sharpness, and corrects for spherical aberrations. Additionally, Tokina uses four SD glass elements (Super-low Dispersion: FK01 and FK03) to control chromatic aberrations, distortion and astigmatism. Two of the elements are SD glass molded aspherical lenses.

Tokina's exclusive One-Touch Focus Clutch Mechanism allows the photographer to switch between AF and MF simply by snapping the focus ring forward for AF and back toward the lens mount for manual focusing. The lens is also designed to stand up to the rigors of daily use by photographers in a wide variety of shooting conditions and environments. for AF and back toward the lens mount for manual focusing.

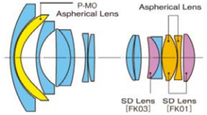
Shot by Toshiya Ogawa

AF11-20mm F2.8

TO FIT CANON • NIKON-D
APS-C Sized Sensor Model Only

AT-X 11-20 PRO DX

- 14 Elements in 12 Groups
- Minimum Focus Distance: 0.28m
- Angle of view: 104.34° - 72.42°
- Filter size: ø82mm



Lens Hood BH-821
The large BH-77B wide-angle hood with "click-lock" to stay in place.

Canon Mount Model

THE BIG BROTHER of AT-X 116 PRO DX II with EXPANDED FOCAL LENGTH and IMPROVED OPTICAL PERFORMANCE

The Tokina AT-X 11-20 F2.8 PRO DX ultra-wide angle lens features an expanded focal length at tele side up to 20mm and improved optical performance, compared to the best seller AT-X 116 PRO DX II lens. The lens is designed for use with Canon and Nikon DSLR cameras with APS-C sized sensors.

Tokina adds to its family of fast-aperture wide-angle zooms focused on providing photographers professional quality optics and construction at an affordable price. When used with full-frame DSLR cameras AT-X 11-20 F2.8 PRO DX offers angle of view that is equivalent to 16.5mm-30mm.

The 11-20mm has a new proprietary optical design that uses three aspherical lens elements (2 all-glass molded and 1 P-MO lens). Three SD (Super-low Dispersion: FK01 and FK03) glass elements achieve superior contrast and sharpness, and correct for spherical aberrations.

This compact ultra wide-angle zoom lens has a bright, constant F2.8 aperture making viewing and auto focus possible in low light situations but still maintaining portable size and weight.

Tokina's exclusive One-touch Focus Clutch Mechanism allows the photographer to switch between AF and MF simply by snapping the focus ring forward for AF and back toward the lens mount for manual focusing. The lens is also designed to stand up to the rigors of daily use by photographers in a wide variety of shooting conditions and environments.

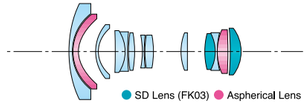
Shot by Toshiya Ogawa

AF11-16mm F2.8

TO FIT CANON • NIKON-D • SONY-A
APS-C Sized Sensor Model Only

AT-X 116 PRO DX II

- 13 Elements in 11 Groups
- Minimum Focus Distance: 0.3m
- Angle of view: 104° - 82°
- Filter size: ø77mm



Lens Hood BH-77B
The large BH-77B wide-angle hood with "click-lock" to stay in place.

Ultra-Wide, Ultra-Speed

The New Tokina AT-X 116 PRO DX-II is an update to the widely popular and award winning AT-X 116 PRO DX, 11-16 F2.8 lens.

The main update to this lens is in the Nikon mount, the AT-X 116 PRO DX-II has an internal silent focusing motor to allow the lens to AF on Nikon bodies that do not have an AF drive gear and motor.

There have also been some adjustments made to the coating for slightly improved optical performance.

This compact ultra wide-angle zoom has a bright constant F/2.8 aperture make viewing and auto focus possible in lower light situations but still maintaining a reasonable size and weight.

Two Super-Low Dispersion glass elements and two aspheric glass allow the proprietary optical design to achieve excellent contrast and sharpness as well as controlling chromatic aberration.

Tokina's exclusive One-touch Focus Clutch Mechanism allows the photographer to switch between AF and MF simply by snapping the focus ring forward for AF and back toward the lens mount for manual focusing. The lens is also designed to stand up to the rigors of daily use by photographers in a wide variety of shooting conditions and environments.

Other than the optical coating change there are no changes to the Canon mount. The AT-X 116 PRO DX-II for Canon uses the same AF motor and AF drive system as the the previous model.

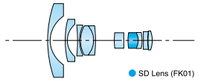
Shot by Toshiya Ogawa

AF10-17mm F3.5-4.5

TO FIT CANON • NIKON-D
APS-C Sized Sensor Model Only

AT-X 107 DX Fisheye

- 10 Elements in 8 Groups
- Minimum Focus Distance: 0.14m
- Angle of view:180° - 100°
- Lens Hood: Built-in
  (APS-C Sized Sensor Model Only)



SD Super Low Dispersion IF Internal Focus WR Water Resistant Coating

ROUND YOUR WORLD

The Tokina AT-X 107 DX is a fish-eye lens that gives the digital photographer an approximate 180° field of view with dramatic curvature of field or “fish-eye” effect. With this lens an entire view or vista can be captured, wider than the human eye can see. The AT-X 107 opens an entirely new dimension of photography. Unlike other fish-lenses, the AT-X 107 DX gives a full corner-to-corner image.

The front element of the AT-X 107 DX has a newly formulated WR or “Water Repellent" optical coating on the glass. This new coating makes marks such as spots left by water or finger-prints much easier to clean than standard multi-coating.**

The rear optical group of the lens contains 1 SD (Super-Low Dispersion) glass element to reduce the number of elements (pieces of glass) in the optical design in order to make the lens more compact, light-weight and faster focusing.

The lens is designed for Digital cameras with APS-C sized CMOS and CCD sensors, not designed for cameras with Full Frame sensors.

Be sure to note that the Tokina AT-X 107 DX lens itself is not waterproof or water resistant.

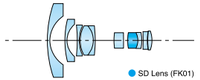
Shot by Toshiya Ogawa

AF10-17mm F3.5-4.5

TO FIT CANON • NIKON-D

AT-X 107 DX NH Fisheye

- 10 Elements in 8 Groups
- Minimum Focus Distance: 0.14m
- Angle of view:180˚ - 100˚
- Lens Hood: No Hood



SD Super Low Dispersion · IF Internal Focus · WR Water Repellent Coating

A PEEPHOLE INTO A DIFFERENT WORLD

The Tokina AT-X 107 NH is a fish-eye lens that gives the digital photographer an approximate 180° field of view with dramatic curvature of field or “fish-eye” effect. The AT-X 107 NH only differs from the AT-X 107 DX in that the built-in hood as been removed allowing for a wider image area and more coverage on full-frame sensor (FX) cameras.*

The front element of the AT-X 107 DX has a newly formulated WR or “Water Repellent" optical coating on the glass. This new coating makes marks such as spots left by water or finger-prints much easier to clean than standard multi-coating. With the built-in hood removed the lens also fits in a wider variety of underwater housings.

The rear optical group of the lens contains 1 SD (Super-Low Dispersion) glass element to reduce the number of elements (pieces of glass) in the optical design in order to make the lens more compact, light-weight and faster focusing.

*Full corner to corner image can be achieved on an FX camera between approx. 14.5-17mm depending on the camera model, at 10-14mm there is a semi-circular view.

Be sure to note that the Tokina AT-X 107 DX lens itself is not waterproof or water resistant.

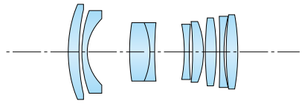
Shot by Toshiya Ogawa

AF100mm F2.8

TO FIT CANON • NIKON-D

AT-X M100 PRO D

- 15 Elements in 11 Groups
- Minimum Focus Distance: 0.38m
- Angle of view: 84.20° - 34.49°
- Filter size: ø82mm



One Touch FC Focus Clutch

Lens Hood BH-551
The large BH-551 Macro hood with "click-lock" to stay in place

Canon Mount Model

100mm F2.8 MACRO

The AT-X 100 PRO D is a new macro lens capable of life-sized (1:1) reproduction at 11.8 in. (30 cm). The lens' multi-coating have been re-engineered to match the highly reflective silicon based CCD and CMOS sensors in today's digital SLR cameras. This lens gives the best of both worlds because optics still give full coverage and excellent sharpness on 35mm film. A macro lens that can handle both the digital and film worlds with ease.

The AT-X 100 PRO D also has a very convenient focus limiter switch that can lock the focus out of the closes focus making it focus faster when used as a moderate telephoto lens that is excellent portraits as well.

Other features of the AT-X 100 PRO D are:

Tokina One Touch Focus Clutch Mechanism for fast easy switching between manual and Auto focus.

55mm non-rotating filter thread for use with macro ring flashes and special effects filters.

The AT-X 100 PRO D also comes with a deep bayonet mounted lens hood.

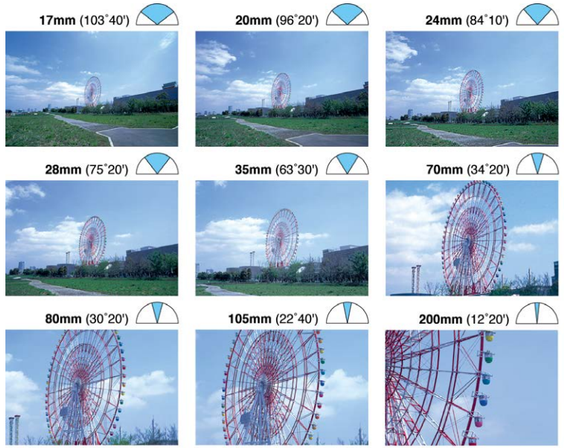
AF will not work if this lens is used with cameras without inbuilt AF drive motor like Nikon D5000 and D3000 series.

Angle of View

The range across the film surface onto which the subject is exposed is expressed as an angle, called the angle of view. Wide-angle lenses with their short focal lengths have a wide angle of view, which means the exposure range is wide. Conversely, telephoto lenses, which have long focal lengths, have a narrow angle of view, making the exposure range narrow.

So a wide-angle lens is used to take a wide area of a subject nearby whereas a telephoto lens is used to take only part of a subject located further away.

A single zoom lens, meanwhile, can function as a number of lenses with different focal lengths, enabling you to smoothly alter the angle of view and quickly frame the shot. You can select your lens to create the effect of distance or depth of field, or to suit the location and surrounding conditions.



Some Examples of Effective Focal Length in Relation to Sensor Size

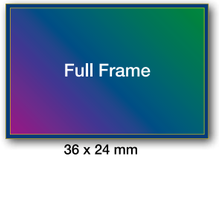
Full Frame Sensor
Canon EOS 1DX, 1DX Mark II
5D, 5D Mark II, 5D Mark III
5Ds, 5Ds R, 6D, 1Ds Mark III
Nikon D4, D5, Df
D610,D750,D800,D810,D810A
SONY α7S II, α7R II, α7 II
α7S, α7R, α7

APS-H Size Sensor
(1.3x= Full Frame Sensor)
EOS 1D Mark II,
1D Mark IIn,1D Mark III

APS-C Size Sensor
(1.5x= Full Frame Sensor)
Nikon D40, D60, D90, D300
D3000, D5000, D7000, D500,
D7200, D5500, D5300, D3300
SONY a57, a65, a77, α6300,
α6000, α5100, α5000

APS-C Size Sensor
(1.6x= Full Frame Sensor)
Canon EOS 40D,50D,60D,70D 80D
7D,7D Mark II, M, M2, M3
Rebel T4i,T3i, M3,T2i,T3,T4,T5,T6
550D,600D,650D,700D,750D
760D,1100D,1200D,1300D

Micro Four Thirds Size Sensor
(2x= Full Frame Sensor)
Olympus PEN E-P3, E-P4, E-P5
E-PL3,E-PL4,E-PL5,E-PL6,E-PL7
E-PM1,OM-D E-M5,OM-D E-M10
Panasonic Lumix GH2,GH3,GH4
GX8,GX7MK2,G7,GF7,GM5,GM1S



Depth of Field

When you focus on a subject, there is part of the subject that is in focus and parts in front and behind which are not in focus. This range in which the object is seen to be sharply in focus is called the depth of field.

If the focal length is kept the same, the depth of field gets deeper (the range in which the subject is sharp gets wider) as the aperture is stopped down, and it gets shallower (the range in which the subject is sharp gets narrower) as the aperture is opened.

Even when the aperture stop is the same, the depth of field gets shallower as the subject distance gets shorter, and deeper as the subject gets further away. Furthermore the depth of field is deeper with a short focal length wide angle lens, and shallower with a long focal length telephoto lens.

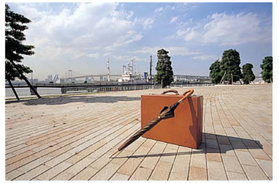
80mm F2.8

80mm F22

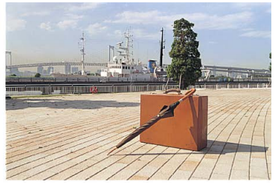
Perspective

Perspective is the visual effect of moving a subject which is in the foreground closer to or further from the background. If you take photographs with lenses of different focal length while keeping the size of the subject in the foreground constant, the background appears to be further away and the sense of perspective is exaggerated with a short focal length wide angle lens.

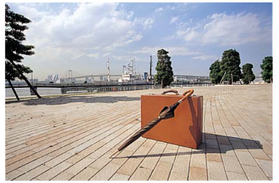
With a long focal length telephoto lens, the background appears to be closer to the subject and the sense of perspective is lessened. You can greatly change the feeling of presence even with the same subject by using this sense of perspective.



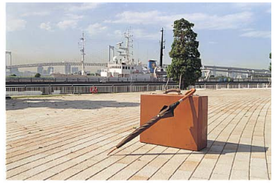
20mm



40mm



20mm



40mm

TECHNOLOGY - MECHANICAL

One-Touch Focus Clutch Mechanism

The newly improved one-touch focus clutch allows the focus to be moved quickly and easily from the AF position back into the MF position. In Nikon and Canon mounts, the lens can be set for manual focusing without an AF/MF switch or setting the body to the AF position.

Auto Focus

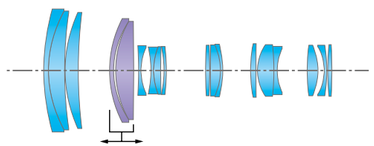
Manual Focus

Internal Focus System

The two main methods of lens focusing are either the complete straight forward movement of elements (used mainly with single focal length lenses), or the rotation of the entire front lens barrel group (used mainly with zoom lenses). The internal focusing system used by Tokina moves each lens group, but does not change the overall length of the lens - this is especially useful with telephoto designs.

The internal focusing system has a number of advantages, including:

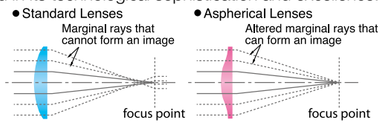
1. Faster focusing
2. Improved handling due to fewer movements near the center of gravity
3. More compact lens designs
4. Superior use of filters as the front filter thread does not rotate



TECHNOLOGY - MECHANICAL

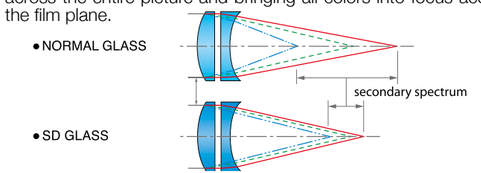
Aspherical Optics

Standard lenses are made from a combination of spherical lens elements. However, there can be problems with such lenses when light entering at the edges of the lens may not be perfectly focused at the same point as light entering at the center. That presents limits to performance in wide aperture and super wide-angle lenses.Tokina uses aspherical glass elements in many of its lenses. In addition to correcting spherical aberration, these lenses fully correct light quantity and distortion at the edge of the image and provide excellent results when used in combination with floating elements. Through technical cooperation with Hoya, Tokina has succeeded in producing high quality molded glass elements with a greater aspherical shape than any other lens so far. This technique is unparalleled in its technological sophistication and excellence.



SD (Super Low Dispersion) Glass

Lenses with the SD mark use Super-low Dispersion glass which minimizes the secondary spectrum caused by chromatic aberration. Basically, these lenses use FK01 and FK02 optical materials which gives them SD (APO) qualities. This provides excellent image quality in telephoto lenses of 200mm or more by correcting color aberration across the entire picture and bringing all colors into focus accurately at the film plane.



TECHNICAL SPECIFICATIONS

Lens	Mount	Optical Construction Elements / Groups	Diagonal Angle of View	Closest Focus Distance from Film Plane (in Macro Mode)	Magnification Ratio in Macro Mode	Aperture Range	Diaphragm Blades	Filter Size (mm)	Dimensions (mm) Diameter	Dimensions (mm) Length	Weight (gram)	Lens Hood
AT-X 24-70 PRO FX 24~70mm F2.8	C, N/D	15/11	84.20° ~ 34.49°	0.38m (14.9 in.)	1:4.73	f/2.8~f/22	9	82	89.6	107.5	1010	BH-822
AT-X 70-200 F4 FX VCM-S 70-200mm F4	N/D	19/14	34.45° ~ 12.42°	1.0m (39 in.)	1:3.57	f/4~f/32	9	67	82	167.5	980	BH-672
AT-X 16-28 PRO FX 16~28mm F2.8	C, N/D	15/13	107.11° ~ 76.87°	0.28m (11 in.)	1:5.26	f/2.8~f/22	9	N/A	90	133.3	950	Built-in
AT-X 17-35 PRO FX 17~35mm F4	C, N/D	13/12	103.96° ~ 64.74°	0.28m (11 in.)	1:4.82	f/4~f/22	9	82	89	94.5	600	BH-821
AT-X M100 PRO D 100mm F2.8	C, N/D	9/8	24.30°	0.3m (11.8 in.)	1:1	f/2.8~f/32	9	55	73	95.1	490	BH-551
AT-X 14-20 F2 PRO DX 14~20mm F2	C, N/D	13/11	91.68° – 70.75°	0.28m (11 in.)	1:8.36	f/2~f/22	9	82	89	106	735	BH-823
AT-X 11-20 PRO DX 11~20mm F2.8	C, N/D	14/12	104.34° ~ 72.42°	0.28m (11 in.)	1:8.62	f/2.8~f/22	9	82	89	92	560	BH-821
AT-X 116 PRO DX II 11~16mm F2.8	C, N/D, S	13/11	104° ~ 82°	0.3m (11.8 in.)	1:11.6	f/2.8~f/22	9	77	84	89.2	550	BH-77B
AT-X 107 AF DX 10~17mm F3.5~4.5	C, N/D	10/8	180° ~ 100°	0.14m (5.5 in.)	1:2.56	f/3.5~f/22	6	N/A	70	71.1	350	Built-in
AT-X 107 AF DX NH 10~17mm F3.5~4.5	C, N/D	10/8	180° ~ 100°	0.14m (5.5 in.)	1:2.56	f/3.5~f/22	6	N/A	69.9	70.9	350	N/A

■ The external appearance and specifications shown in this catalog may be changed without any advance notice.

■ Mount C: CANON AF N/D: NIKON AF-D S: SONY-A
■ 1g = 0.03527 oz ■ 10mm = 0.39370 inch ■ 1m = 3.28084 feet

Tokina

Kenko Tokina

Kenko Tokina Co., Ltd.

5-68-10 Nakano, Nakano-ku, Tokyo 164-8616, Japan

www.tokinalens.com

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