

PENTAX

ZX-M

Manual Focus 35mm SLR Camera

Like its sister models in the popular ZX-series, the ZX-M offers super-compact dimensions and straightforward, easy to read dial controls; but focus is totally manual. It incorporates an array of creative and user-friendly features, including a multi-mode exposure system; an advanced light metering system; and a 1/2000-second high-speed shutter. For convenience, it offers easy film handling, LCD and viewfinder displays, depth-of-field preview and a Memory Lock function. As a result, this is the model for the next generation of photographers as well as those who want to learn the basic skills through creativity and fun. The ZX-M helps teach photography in a simple and easy way. It is also very lightweight, so just about anybody can take it just about anywhere. Accepts all A, FA, and F-mount lenses.



FEATURES

Compact, Lightweight Body

The ZX-M measures just 135mm (5.3") wide, 90.5mm (3.6") high and 55mm (2.2") deep, and weighs only 305 grams (10.8 oz.), making it compact enough for the user to bring along on every occasion.

Multi-Mode Exposure System

The ZX-M offers four different exposure modes: the hands-off Programmed AE, the depth-oriented Aperture-Priority AE, the action oriented Shutter-Priority AE, and the totally maneuverable Metered Manual. The selection of an exposure mode is made simply by adjusting the lens aperture ring and/or the camera's shutter dial.

Multi-Pattern Metering System

The ZX-M multi-pattern metering system is designed to get the maximum performance from the camera's auto-exposure modes – even in difficult backlighting and high-contrast situations.

Manual ISO Film Setting

Film speed can be manually adjusted between ISO 6 and ISO 6400 in 1/3 steps, so that the photographer can set the right film speed for non-DX coded film or intentionally shift the exposure level on an entire roll of film.

Exposure Compensation

With a simple turn of the exposure compensation dial, this function allows the user to adjust the level of exposure within a $\pm 3EV$ range in 1/2EV steps for bracketing or for intentional over- or underexposure.

Memory Lock

This function allows the user to ensure correct exposure on a single element in the final image by memorizing the exposure data for 10 seconds with simple push-button operation.

LCD and Viewfinder Display

The external LCD panel and viewfinder display offer a range of useful photographic data to the photographer at a glance. The viewfinder also features a Pentax original Natural-Bright-Matte focusing screen for a sharp, clear viewfinder image and an automatic illuminator for easy reading of data regardless of the subject's lighting condition.

Easy Film Handling

The built-in film winder loads the film, advances it to the first frame, winds it at the speed of two frames per second, and rewinds the film at the end of the roll – all automatically.

High-Speed Shutter

With a top shutter speed of 1/2000 second, the ZX-M can freeze a critical moment in the subject's movement. Such high shutter speeds are very useful in sports and action photography.

Depth-of-field Preview

One push of the preview button allows the user to check the depth of focus to create the desired visual effect, even when the lens aperture ring is set to the "A" (auto) position.

Self-Timer

The built-in self-timer delays shutter release by 12 seconds, allowing the photographer to be part of the picture. This is also useful for avoiding camera shake in slow-shutter and bulb applications.

Compatibility with Pentax Lenses and Accessories

Most existing high-quality Pentax 35mm interchangeable lenses and a wider range of optional accessories can be used with the ZX-M to satisfy the photographer's every creative need. (Note that autofocus operation is not available with the ZX-M even when a Pentax-FA lens is mounted.)



Specifications

- Type: TTL automatic exposure multi-mode 35mm SLR
- Lens Mount: Pentax KA2 bayonet mount compatible with KAF2 KAF and K mounts
- Focus Modes: Manual
- Exposure Modes: Program AE, Aperture priority, Shutter priority & Manual
- Exposure Metering: 2-Zone evaluative metering with FA, F and A lenses; Centerweighted metering with all other lenses
- Metering Range: EV 1-21 @ ISO 100 with f/1.4 Lens
- Shutter Speed: 1/2000th to 30 Seconds + B, with sync at 1/100th second
- Exposure Compensation: ± 3 EV in 0.5 EV increments
- ISO Range: 25-5000 (DX), 6-6400 in Manual setting
- Film Wind: single and continuous up to 2 frames per second
- Focusing Screen: Fixed overall matte with split image & microprism
- Diopter Correction: Standard -1 (other "M" diopters available optionally)
- Self Timer: 12-Second delay
- Remote Control: Optional Cable Switch F
- Depth-of-Field Preview: Yes
- Power: Two CR2 3v lithium batteries
- Measures 5.3 x 3.6 x 2.2" WxHxD, weighs 0.67 lb.

- ZX-M Silver Body (PEZXM):**
Includes strap and FH Eyecup...**159.95**
- FH Eyecup (PEECFH):**
Replacement **17.95**
- FG Hot Shoe Cover (PEHSCFG).....6.95**
- FK Front Case (L) (PECFLZX):**
For ZX-M with up to 80-200mm f/4.7-5.6 lens**34.95**
- FK Front Case (M) (PECFMZ):**
For ZX-M with up to a 35-105mm lens **32.95**
- FK Front Case (S) (PECFSZX):**
For ZX-M with up to a 35-80mm lens **29.95**

MANUAL FOCUS LENSES

SMCP-A 50mm f/1.2 **Manual Focus Lens (PE5012)**

Pentax was the first to introduce a f/1.2 lens in the 50mm focal length. This new version has unsurpassed contrast and resolution for a lens of this aperture. Filter size is 52mm.....**659.95**



SMCP-A 50mm f/2.0

SMCP-A 50mm f/2.0 **Manual Focus Lens (PE502)**

This is an excellent normal lens with high sharpness and contrast. A great first lens for students, and a must-have in any one's collection of optics. Filter size is 49mm.....**59.95**



SMCP-A 80-200mm f/4.7-5.6

SMCP-A 35-80mm f/4.0-5.6 **Manual Focus (PE35804)**

A lightweight zoom lens for Pentax manual focus cameras, the 35-80mm f/4.0-5.6 is compact and easy to use. Filter size is 49mm ...**69.95**

SMCP-A 80-200mm f/4.7-5.6 **Manual Focus (PE8020047)**

An all-manual telephoto zoom lens for Pentax and other K-mount cameras that's lightweight and doesn't need a tripod collar despite the focal length. Filters are inexpensive thanks to the 49mm thread size**119.95**

Hove / Magic Lantern Book:

Magic Lantern Guide For Pentax K1000 and ZX-M Cameras by Joseph Meehan (HOMSLR)

Fully illustrated in color and black and white, the book offers step-by-step instructions in an easy-to-understand format that helps you learn how to use the camera's many capabilities and take better pictures. This guide is especially helpful for learning how to use your camera's manual settings and offers details about the cameras' features and functions. Topics covered are: controlling exposure, selecting lenses and lens accessories, using filters, and using flash. Magic Lantern Guides have sewn bindings and laminated covers for long life. 5 x 7 1/2", 176 pages.....**19.95**



FJ Data Back (PEDBFJQ)

The FJ Data Back replaces the existing camera door on the ZX-M camera and allows you to imprint the date or time on your pictures, with a choice of five different modes, in the lower right corner of the picture**39.95**

PENTAX

*IST DATE

35mm Autofocus SLR with Date

Offering superior 35mm SLR performance with compact dimensions and easy operation and display systems, the Pentax *ist easily satisfies a wide range of photographers from demanding professionals and advanced amateurs to SLR novices. The Pentax *ist Date SLR incorporates a host of advanced, user-friendly features for easy operation and more creative results. Features include a multi-mode exposure system with an innovative Auto Picture mode and an accessible illumination mode dial, a 16-segment multi-pattern metering system, an 11-point Auto Focus system, a 1/4000-second high-speed shutter, 17 custom functions, a large LCD panel, a multi-data LCD viewfinder indicator, and a retractable auto pop-up flash. The *ist Date also accepts a full range of high-quality Pentax lenses and accessories, like the BG-20 battery grip to maximize the fun and excitement of advanced SLR photography.



FEATURES

Ultra Compact

- ◆ Ultra-compact with a functional design, the *ist Date measures 4.8 x 3.3 x 2.5" and weighs 11.8 oz. All controls are positioned for easy operation and accessibility.

Sophisticated Auto Focus

- ◆ An advanced SAFOX VIII phase-matching AF system assures that the *ist delivers crisp focus even under poor lighting conditions.
- ◆ An 11-point AF sensor constantly monitors 11 different points in the image field and covers a wide area — both vertically and horizontally — to ensure optimum focus.
- ◆ In addition to the "AUTO" mode where the camera selects the optimum focusing point and "SPOT" mode, you can select one of 11 AF sensor points using the cross-shaped AF point selector on the back panel.
- ◆ Predictive Auto Focus function automatically activates when the system detects subject motion and predicts the subject position at the moment of shutter release. This also lets you shoot a few frames after the subject has moved out of the AF sensor field.

Three Metering System

- ◆ A 16-segment multi-pattern metering system helps solve the most complicated lighting conditions to produce beautifully exposed photographs. In addition to an all-purpose multi-pattern mode, the *ist offers spot and center-weighted modes for specialized applications.

Auto Picture Mode

- ◆ In Auto Picture Mode, the *ist Date selects the appropriate auto-exposure mode from five different programs, based on the subject's distance, focal length, lighting and subject motion. This ensures better results and allows you to concentrate fully on shutter opportunity and picture-framing.
- ◆ For added convenience, the large illumination mode dial clearly indicates the selected exposure program, even in the dark. The selected program also is indicated in the viewfinder indicator.
- ◆ In addition to Auto Picture Mode, there are six user-selectable Picture Modes, Aperture and Shutter-Priority, manual and bulb.

Flash System

- ◆ Built-in multi-function retractable auto flash with auto pop-up feature. Covering an angle of view as wide as 28mm, the auto flash automatically pops up and discharges when the camera detects low-light and/or backlight situations. It also retracts to the storage position automatically when the power is off. Employs red-eye reduction function as well.
- ◆ Advanced TTL flash control system simplifies complicated flash techniques (such as daylight sync, slow-shutter sync and bulb sync) even when used in combination with accessory flashes. When combined with the AF360FGZ, the *ist offers a variety of advanced wireless remote functions. In addition, it briefly discharges in the dark to assist the camera's AF system.



High Speed Shutter

- ◆ The compact, reliable shutter unit offers a top shutter speed of 1/4000 second to freeze the decisive moment of fast-action scenes and features a high flash synchronization speed of 1/125 second, so photographers may open up the aperture to capture dramatic flash images.

*ist Date Body (PEISTD): Includes Logo Strap, Viewfinder Shield and Eyecup299.95
 CR-2 3v Lithium Battery (GBCR2): Requires two batteries.....3.99 each
 CF-12 Holster style case (PESCI): For *ist Date with a compact zoom lens.....64.95
 Remote Control F (PERCF): Infra-red remote control for *ist Date14.95



PENTAX

*IST DATE

Custom Functions

- ◆ The *ist offers 17 custom functions enabling the photographer to customize some basic camera functions to suit individual preferences. These functions include the AF pointer display in the viewfinder, the LED illuminator operation mode in the LCD panel, the order of exposures in the auto bracketing mode, and the timing of remote shutter release.

LCD Data Panel

- ◆ Located on the back panel, is a large, easy-to-read LCD data panel with automatic illuminator that offers a full range of information with large icons and numbers to supplement the camera's user-friendly operation system. Users may activate its orange LED illuminator by turning the main switch to the preview position. With the custom functions, users may select automatic illumination under low-light conditions or deactivate the illuminator at all times.

Viewfinder and LCD

- ◆ Bright viewfinder with full-information LCD viewfinder indicator and AF pointer. Thanks to the renowned Natural-Bright-Matte focusing screen, the *ist offers a sharp, clear viewfinder image even in unfavorable lighting conditions. The LCD viewfinder indicator at the bottom provides a full range of information, including the selected Picture Mode and exposure compensation factors.
- ◆ For easy data confirmation, the *ist comes equipped with automatic brightness control to change the brightness level in proportion to the subject's lighting condition. Within its image field, the viewfinder features LED AF pointers, one of which lights up to indicate the user-selected AF sensor.
- ◆ Diopter adjustment allows users to adjust the viewfinder image between -2.0m-1 and +1.0m-1 to obtain the clearest view of the subject.
- ◆ The depth-of-field preview function is electronically operated for easy confirmation of the in-focus area in the image field before the shot to help ensure photographers create their desired visual effect.

High Performance

- ◆ The high-speed motor drive winds the film at a speed of 2.5 frames per second. You can select either single-frame advance or consecutive advance with simple push-button operation. It also simplifies film loading and rewinding operations.
- ◆ Auto exposure bracketing lets you get the right exposure. With a single shutter release, you can capture three different exposures of the same subject (in order of proper exposure, under-exposure and over-exposure) in all exposure modes (except Bulb mode). The desired compensation value ($\pm 0.3EV$, $\pm 0.5EV$ or $\pm 1.0EV$) can be selected using one of the custom functions. The use of auto bracketing as well as the selected compensation value are indicated in both the LCD panel and the viewfinder display.
- ◆ Handy wireless remote control. In combination with the optional Remote Control F, the *ist Date offers the convenience of remote shutter release from a distance. The user can select either an instant release or a three-second-delay release using one of the custom functions. The operation is confirmed by the self-timer indicator on the camera's front panel.
- ◆ Creative multi-exposure—photographers can make two exposures on a single frame with pushbutton ease to produce dramatic, eye-catching images. To expose the same frame more than three times, you simply repeat this operation after each exposure.
- ◆ Easy-setting exposure compensation and AE lock. Using the exposure compensation button and the select dial, the photographer can easily set the desired compensation value within a range of $\pm 3EV$ in $1/2EV$ increments (except when the metered manual mode is selected). Positioned at the upper right-hand corner of the back panel, the AE lock button makes the camera memorize the measured exposure value for approximately 20 seconds, during which period the photographer is free to re-compose the image.
- ◆ Durable metallic lens mount to hold the lens firmly in place and minimize wear caused by countless lens changes.
- ◆ Data recording capability allows users to automatically record the date, or day and time, of picture-taking on the photograph for quick, easy reference of captured images.

*ist Date Specifications

- Lens Mount: Pentax KAF2 (also KAF, KA & K mounts usable)
- Focus Modes: One Shot AF, continuous AF and manual
- Focus Type: TTL Phase detection (11-point AF with dual crosshair sensors)
- Focusing Sensitivity Range: EV -1 to 18 (@ ISO 100 with f/1.4 lens)
- Exposure Modes: Auto picture mode, 6 picture modes, Shutter and Aperture priority AE, metered manual & bulb
- Exposure Metering: TTL 16-segment metering, Centerweighted and Spot
- Metering Range @ ISO 100 with f/1.4 Lens: EV 0-21 (@ ISO 100 with f/1.4 lens)
- Shutter Speed: 1/4000 to 30 seconds + B, with sync at 1/125th
- Exposure Compensation: $\pm 3 EV$ in 0.5 EV increments
- Exposure Bracketing: 3 Frames in 0.3, 0.5, or 1.0 EV increments
- ISO Range: 25-5000 (DX), 6-6400 in manual setting
- Built-in Flash: GN 39', 28mm coverage
- Film Wind: Single & continuous at 2.5 frames per second
- Focusing Screen: Fixed matte field with AF points
- Diopter Correction: (-2 to +1)
- Self Timer: 2- or 12-second delay
- Depth-of-Field Preview: Yes
- Mirror Lock-Up: with custom function
- Multiple Exposure: Yes
- Power: Two CR2 3v lithium batteries
- Dimensions: 4.8 x 3.3 x 2.5" WxHxD
- Weight: 11.8 oz (335g)

PENTAX

MZ-S

35mm SLR Autofocus Camera with Date

The MZ-S features a wide range of innovative features required for advanced photography, including a user-friendly "Hyper Operation" system, a new six-point AF system, a top shutter speed of 1/6000 second, an on-the-film data recording function, and a well designed body. When combined with high-quality SMC PENTAX lenses, the MZ-S produces excellent results, with beautiful, true-to-life images in almost any type of photographic situation.



FEATURES

High Performance

- ◆ SAFOX VII autofocus system features an extra-wide AF frame with six AF points: five points aligned horizontally, and one above the middle point. In Auto AF mode, the camera automatically selects the optimum point to capture the subject in sharp focus, even when it is far away from the center of the image field. In the Spot AF mode, you can select one of the six points manually to best suit your subject and/or application. Also offers the predictive AF function when the focus mode is set to Servo.
- ◆ Three metering modes provide exact exposure control: multi-pattern, center-weighted and spot. Six-segment metering system responds to any lighting condition with perfect exposures.
- ◆ Provides a top shutter speed of 1/6000 second to meet specialized applications.
- ◆ Record valuable data directly onto film for future reference. Film roll #, ISO speed and data-imprinting brightness are recorded on the film's leader portion, while the exposure mode, metering mode, shutter speed, aperture, exposure compensation, use of auto bracketing function and multiple exposure functions are indicated in the space between the picture frame and the perforation.
- ◆ PC connection enables use with a studio flash.
- ◆ 19 Personal Functions let you customize operation to suit your individual preferences.

Conveniences

- ◆ KAF2 lens mount accepts large assortment of lenses. Changing lenses in low light is easy with an illuminated lens mount index.
- ◆ Body components are made from a lightweight, extra-strong die-cast magnesium alloy for rugged use and high performance.
- ◆ Positioned inside the select dial, the large LCD panel presents a host of valuable operational data at a glance. An electro-luminescence illuminator makes it easy to read data reading in the dark.
- ◆ Dramatically slanted top panel not only makes camera operation more accessible, but also provides a quick, effortless confirmation of the LCD panel and other settings.
- ◆ Electronic preview lever lets you check the depth of field without having to take your eye off the viewfinder.
- ◆ Large, analog dial controls with electronic precision make for easy adjustments with quick visual verification on the LCD panel. Just one dial allows adjustment of shutter speeds, autofocus points, ISO settings and custom functions; another large dial control allows adjustment of exposure compensation, auto bracketing settings, and other control functions with one touch.
- ◆ Hyper operation control allows instant mode-changing from Programmed Auto to shutter- or aperture-priority exposure to metered manual exposure modes, with just one turn of the main control dial.

MZ-S Specifications

- Lens Mount: Pentax KAF2 (also KAF, KA & K mounts usable)
- Focus Modes: One Shot AF, continuous AF and manual focus
- Focus Type: TTL Phase detection (6-point AF with dual crosshair sensors)
- Exposure Modes: Programmed AE, Shutter and Aperture priority AE, manual and Bulb
- Exposure Metering: 6-Zone Evaluative, Centerweight and Spot
- Metering Range @ ISO 100 with f/1.4 Lens: EV 0-21
- Shutter Speed: 1/6000th to 30 Seconds + B, with sync at 1/180th second
- Exposure compensation and bracketing: ± 3 EV in 0.5 EV increments
- ISO range: 25-5000 (DX), 6-6400 in manual
- Built-in Flash: GN39', 28mm coverage
- Film Wind: Single & continuous at 2.5 fps
- Focusing Screen: Interchangeable, includes overall matte field with AF points
- Diopter Correction: Built-in -2.5 to +1.5
- Self Timer: 10-Second delay
- Remote Control: Yes (requires BG-10 grip)
- PC Terminal: Yes
- Depth-of-Field Preview: Yes
- Mirror Lock-Up: with custom function F14
- Multiple Exposure: Yes
- Power Source: 2 CR2 3v lithium batteries
- Dimensions: 5.4 x 3.7 x 2.5"; 1.14 lb.

MZ-S Body (PEMZSD): Includes strap and one-year warranty799.95



EQUIPMENT LEASING AVAILABLE

PENTAX

Accessories for *ist, ZX-M and MZ-S

Right-Angle Finder A (PEFRAA)

A 360° rotating angle viewfinder for easier viewing on a reproduction stand or for shots from a worm's-eye view. It has built-in 2x magnification, a vertically and laterally correct image and an adjustable diopter. ...**369.95**

Diopter Correction Lenses

Clip-on prescription eyepieces designed for eye glass wearers.

- 5 Diopter M (PEDM5M).....**19.95**
- 4 Diopter M (PEDM4M).....**19.95**
- 3 Diopter M (PEDM3M).....**19.95**
- 2 Diopter M (PEDM2M).....**19.95**
- 1 Diopter M (PEDM1M).....**19.95**
- +1 Diopter M (PEDP1M).....**19.95**
- +2 Diopter M (PEDP2M).....**19.95**
- +3 Diopter M (PEDP3M).....**19.95**

FB 2X Magnifier (PEMFB)

Recommended for critical focusing, this clip-on hinged magnifier adds 2x magnification to the central portion of the focusing screen. It can be raised to view the entire focusing screen, and has a built-in eyepiece correction lens with an adjustable diopter range**49.95**

Microscope Adapter B (PEMA)

This adapter is designed to fit the camera body directly onto a microscope. It can be used with any microscope having a 25mm outside diameter tube. When used on these cameras, aperture-priority exposure is retained**99.95**

Helicoid Extension Tube B (PEETH)

The "Adjustable Extension Tube", the internal helicoid tube provides an infinitely stepless adjustment range for 26.5mm to 46.5mm. Manual diaphragm and stop-down metering operations are required with all lenses. Magnification range with a 50mm lens is .50x-1.00x. May be combined with either Auto or Manual Extension tubes for greater magnification.....**109.95**

Reverse Adapter (PERA52)

Permits 52mm lenses to be mounted on a Pentax camera body or extension tubes in reverse position for better image quality at magnifications greater than 1.0 (1:1), and for higher magnifications with less extension. When used with a Pentax automatic exposure camera, aperture priority automation is retained within the measurable range. Magnification of reversed 50mm lens is approximately .60x.....**19.50**

Macro Focus Rail III (PEMFR3MPS)

Provides fast, accurate and precise focusing for close-up and extreme magnification (5x or more), precisely setting the position of the lens, or extension tube. It is also useful for making close-ups with a predetermined magnification. Has a tripod socket**169.95**



AA Battery Packs

AA Battery Pack FG for ZX-M (PEBPFG):

Powered by 4 AA batteries, Battery Pack FG adds a vertical grip to the camera body. It advances from 20-200 rolls of 24 exposure film (depending on flash usage), and offers increased balance and handling**19.95**

BG-20 Battery Grip for *ist (PEBG20):

Battery grip powered by four AA batteries. Usability is enhanced with the shutter release and AE lock buttons for vertical positioning of the camera.....**59.95**

BG-10 Battery Grip for MZ-S (PEBG10):

Uses four AA-sized batteries to power the MZ-S. This dramatically increases the film count before changing batteries, plus adds a vertical release to the camera.....**144.95**

Cable Switches

Cable Switch F for ZM-M (PECSF):

This 3.5' cable release trips the shutter electronically, without transferring mechanical movement to the camera. Pressing the cable release switch partway will activate the camera's metering and/or autofocus, and a locking switch is provided for long time exposures**28.95**



CS-205 Cable Switch for *ist (PECS205):

A 1.7' cable release that helps prevent camera shake when shooting super telephoto shots, macrophotography and bulb exposures. Handy for taking pictures of subjects that are difficult to approach, or to minimize vibration for close-ups and time exposure**34.95**

CS-105 Cable Switch for MZ-S (PECS105):

Same as above, for the MZ-S.....**59.95**

CS-130 Cable Switch for MZ-S (PECS130):

Same as above, but with a 10' reach.....**69.95**

Cable Release 30 (PECR30):

12" cable release with a locking collar to allow time exposures. Fits any camera that accepts standard mechanical cable release**17.95**

Cable Release 50 (PECR50):

Same as above with a 20" reach.....**19.95**



BG-10 Battery Grip for MZ-S

Accessories for the MZ-S:



TS-110 Release Timer Switch (PETS110):

Acts as a standard cable switch and has a built-in timer to perform interval shooting, extended-time bulb exposures, and designated time shooting. 3.3' long**134.95**

GG-60 Focusing Screen (PEFSGG60):

Matte with Grid & Crosshairs**34.95**

CF-10 (S) Case (PECSMZS): fits up to 28mm f/2.8, 43mm f/1.9 or 50mm lenses.....**49.95**

CF-10 (M) Case (PECMZS): (fits up to 100mm f/3.5 Macro, 135mm f/2.8 or 28-70mm f/4 lenses.....**54.95**

CF-10 (L) Case (PECLMZS): Fits up to 100mm f/2.8 Macro, 28-105mm f/4 or 70-200mm f/4 lenses..**59.95**

PENTAX

AUTOFOCUS LENSES

WIDE ANGLE and ULTRA WIDE ANGLE LENSES

SMCP-FA 20mm f/2.8 (PE2028FA)

A super wide-angle lens with a 94° field of view for sweeping landscapes and dramatic interior shots. Light and precise, it will render subjects with excellent contrast and no color fringing. Pentax's exclusive SMC (Super Multi-Coating) process gives incredibly high transmissivity (the retention of light passing through the reflective elements within a lens) to make the lens up to 10% brighter than an equivalent 20mm f/2.8 lens with conventional coatings. Includes soft lens case. Filter size is 67mm**499.95**



SMCP-FA
20mm f/2.8

SMCP-FA 24mm
f/2.0 AL IF

SMCP-FA 24mm f/2.0 AL IF (PE242ALFA)

The 24mm F2 is a moderate wide-angle lens that offers outstanding versatility and is well suited for architectural and landscape photography. Its compact and lightweight dimensions make it ideal for traveling. An eight-blade aperture diaphragm provides excellent out of focus blur, and internal floating lens elements insuring optimal results throughout the focus range. Treated with SMC coating for maximum light transmission, sharp definition, and high contrast while minimizing flare and ghost imaging. Includes PH-RBA67 Lens Hood and a soft case. Filter size is 67mm**379.95**

SMCP-FA 28mm f/2.8 AL (PE2828FA)

The 28mm F2.8 is often the standard choice for wide angle photography, offering good coverage without limiting distortion. It is also ideally suited for architectural and landscape photography. Provides a bright viewfinder image while the simple five-element lens formula renders high-contrast images. Aspherical lens element helps transmit the light more efficiently through the lens to the film. Treated with SMC coating for maximum light transmission, sharp definition, and high contrast while minimizing flare and ghost imaging. Compact and lightweight, it measures 2.5 x 1.6" and weighs a mere 6.5 ounces. Filter size is 49mm**229.95**

SMCP-FA
28mm
f/2.8 AL



SMCP-FA 31mm f/1.8 AL Limited Edition (PE3118FA)

Offering exceptionally high image quality and a beautiful aluminum body with metallic silver finish, the SMCP-FA 31mm f/1.8 AL Limited Edition incorporates a glass-molded aspherical lens element into its 9-element, 7-group optics to provide sharp, crisp image reproduction, even at the maximum aperture of f/1.8, with a very soft rendition of out-of-focus areas. The floating mechanism effectively compensates for fluctuating aberrations, especially when photographing relatively close subjects. It offers a minimum focusing distance of just 12". Comes equipped with a specially-designed flower-shaped lens hood, which not only cuts down excessive light, but also allows for easy attachment and removal of filters. Filter size is 58mm ..**879.95**

SMCP-FA
31mm f/1.8
AL Limited
Edition



SMCP-FA 35mm f/2 AL (PE352ALFA)

Weighing a mere 6.9 oz. the SMCP-FA 35mm f/2 AL is one of the most compact and light-weight wide-angle lenses available. It incorporates a high-quality aspherical lens element to effectively compensate for spherical aberrations. It produces sharp, high-contrast images from the minimum focusing distance (1 ft.) to infinity. Additionally, it assures outstanding image resolution from edge to edge, even at the maximum f/2 aperture. Pentax's acclaimed SMC (Super-Multi-Coating) provides maximum light transmission, sharp definition, and high contrast, while minimizing flare and ghost imaging, even in backlit conditions. A large, detachable flower-shaped lens hood (included) effectively shields the lens from excessive incident light, plus has a window that allows you to rotate the polarizing (PL) filter to control the amount of polarization without removing the hood from the lens. Filter size is 49mm**299.95**

SMCP-FA
35mm f/2 AL



EQUIPMENT LEASING AVAILABLE

PENTAX

AUTOFOCUS LENSES

STANDARD LENSES

SMCP-FA 43mm f/1.9 Limited Edition (PE4319FA)

In the 35mm format the ideal definition of a “standard” lens is 43mm, the distance from the corner to corner on a frame of 35mm film. Featuring an elegant, high-quality look with a beautiful satin chrome finish, the 43mm f/1.9 Limited Edition offers true-to-life image reproduction with a focal length that offers a natural perspective with a fine definition of depth. High-refraction lens elements minimize spherical aberration, coma flare and chromatic aberration to produce sharp, well-defined images even in poorly illuminated areas of the picture. This also assures a soft, natural reproduction in out-of-focus areas. Images are sharp and contrasty thanks to Pentax’s SMC (Super Multi Coating) process, which results in a high retention of light. An incredibly lightweight lens with ultra-thin body design, the well-balanced mechanical design of the focus ring and aperture ring assures smooth, comfortable operation. Includes a metal lens hood and soft lens pouch. Filter size is 49mm479.95

SMCP-FA
43mm f/1.9
Limited
Edition



SMCP-FA 50mm f/1.4 (PE5014FA)

A standard lens for Pentax autofocus cameras with a bright f/1.4 aperture, the 50mm lens provides an angle of view and perspective similar to the human eye. Its natural perspective of subjects makes it ideally suited for everyday use including indoor photography, traveling, and hiking. Excellent for low-light handheld photography. Pentax SMC (Super Multi Coating) process provides the highest possible transmission of light. Filter size is 49mm.....209.95



SMCP-FA
50mm f/1.4

CAMERAS & LENSES

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PORTRAIT LENSES

SMCP-FA 77mm f/1.8 Limited Edition (PE7718FA)

The SMCP-FA 77mm f/1.8 Limited Edition is a versatile, high resolution medium-telephoto lens specifically designed with portrait and snapshot applications in mind. As a result, it accurately reproduces the tones, colors and texture of the subject’s skin, clothes and accessories as well as assuring an excellent rendering of highlight and out of focus areas. The lens also features Pentax’s exclusive FREE (Fixed Rear Element Extension) focusing system to ensure sharp, crisp image reproduction over the entire focusing range. Beautifully finished with an aluminum lens barrel and a dark green indicator for easy lens attachment, the lens is treated with Pentax’s acclaimed SMC (Super-Multi-Coating) for maximum light transmission, sharp definition, and high contrast, while minimizing flare and ghost imaging. Has built-in lens hood. Filter size is 49mm.....689.95



SMCP-FA
77mm f/1.8
Limited Edition

SMCP-FA*
85mm
f/1.4 IF

SMCP-FA* 85mm f/1.4 IF (PE8514FA)

A 9-blade aperture diaphragm and fantastic multicoating distinguish this portrait lens. Solidly built, this is a confidence inspiring lens, with a large bayonet mounting hood supplied as standard. It is quite short, but wide construction and weighty feel give the impression of a “barrel of glass”. Internal floating lens elements give optimal results throughout the focus range. FA* lenses make use of a “de-clutching” mechanism to switch between manual and auto-focus. This improves the handling as the focus ring doesn’t revolve when in the AF position. When in the manual focus position the lens has a better feel than most other AF lenses. Includes MH-RBB67 Lens Hood and a soft case. Filter size is 67mm799.95

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PENTAX

AUTOFOCUS LENSES

MACRO LENSES

SMCP-D FA 50mm f/2.8 & 100mm f/2.8 Macro

The SMCP-D FA 50mm F2.8 Macro and SMCP-D FA 100mm F2.8 Macro are designed to optimize image quality in both digital SLR and film photography. They offer a maximum magnification of 1x (life size), producing impressive, well-defined macro images. They feature an image circle accommodating the image size (36mm x 24mm) of 35mm format SLR film cameras. As a result, the lenses produce high-quality images with edge-to-edge, vignette-free sharpness even when mounted on conventional 35mm format SLR cameras. Well known for advanced optical design technologies, Pentax optimizes the optical characteristics of the new lenses with lens coating and curvature and positioning of optical elements. In particular, lens flare and ghost have been reduced to a minimum for clear, high-quality digital images.

- ◆ Each lens is equipped with an aperture ring to accommodate the lens-set aperture-priority AE and metered manual modes assuring fingertip aperture control from the shooting position.
- ◆ The 100mm F2.8 Macro incorporates the FREE (Fixed Rear Element Extension) focusing system, while the 50mm F2.8 Macro features the dependable floating system. These systems ensure exceptional focusing distance to infinity by effectively reducing annoying aberrations at any focusing distance.
- ◆ Wide focusing ring assures fast, high-accuracy focusing in manual-focus mode.
- ◆ Built-in focus-clamp mechanism to fix focus at any distance
- ◆ Large lens hood effectively shields the lens surface from excessive incident light
- ◆ Both are designed to be extremely compact and lightweight. Filter size is 49mm

SMCP-FA 50mm f/2.8 Macro (PE5028MDFA)	429.95
SMCP-FA 100mm f/2.8 Macro (PE10028MDFA)	564.95



TELEPHOTO LENSES

SMCP-FA 135mm f/2.8 IF (PE13528FA)

The 135mm focal length has long been a favorite of photographers, being great for portraits with well-blurred backgrounds as well as creating a compression roughly equivalent to the human eye when focusing on a particular element of the landscape. The SMCP-FA 135mm F2.8 (IF) is a great portrait lens as it allows a comfortable distance between the photographer and subject. It allows for a shallow depth of field and is ideal for working in low-light conditions. It features an internal focus system to make focusing smoother and faster, and is treated with SMC coating for maximum light transmission, sharp definition, and high contrast while minimizing flare and ghost imaging. Has a built-in lens hood. Filter size is 52mm

329.95

SMCP-FA 200mm f/2.8 ED-IF (PE20028FA)

A fixed, non-rotating lens front, chromatic aberration-free optics and Pentax's unique SMC coating are traits of this ultra-sharp telephoto prime lens. The 200mm F2.8 (IF) telephoto is an ideal lens for sports and wildlife photography. Easy to maneuver and not bulky, it is ideal for working in low-light conditions. It features an internal focus system to make focusing smoother and faster, and is treated with the acclaimed SMC coating for maximum light transmission, sharp definition, and high contrast while minimizing flare and ghost imaging. Minimum focusing distance is 4.7'. Includes a lens hood and soft carrying case. Weighs 25 oz. Filter size is 77mm

899.95



PENTAX

AUTOFOCUS LENSES

ZOOM LENSES

SMCP-FA J 18-35mm f/4-5.6 AL (PE18354JFAAL)

The ideal lens for the photo enthusiasts looking for a compact ultra wide to wide angle lens. With a minimum focus distance of only 11" and a wide-angle zoom range of 18-35mm, this lens is ideal for landscape, candid, environmental, close-up and full-length portrait photography. This 'J' type lens is a compact, light-weight lens that was designed to match the smaller size of the *ist camera. One of the ways the smaller size was made possible was by removing the aperture ring control from the lens. All aperture changes can be done directly on the camera. (Note: This lens is not compatible with some of the older PZ series cameras, or with manual exposure camera models). Includes PH-RBL lens hood. Filter size is 67mm**164.95**

SMCP-FA Zoom 20-35mm f/4 AL (PE20354FA)

Only 2.7" long and weighing just 8.6 oz. this compact zoom lens covers angles of view from an ultra-wide 94° at the 20mm setting to a wide 63° at 35mm. It is constructed of ten elements in eight groups, has a fully automatic diaphragm, and features TTL open-aperture metering, with a minimum aperture of 22. Two aspherical lens elements reduce distortion to a minimum, even at 20mm for sharp, crisp image reproduction. It features zoom macro capability down to 12". Includes a case as well as detachable flower-shaped lens hood with a polarizing filter adjustment window, which allows you to rotate the polarizing filter without removing the hood from the lens. Filter size is 58mm**499.95**



SMCP-FJ
18-35mm f/4-5.6

SMCP-FA Zoom
20-35mm f/4 AL

SMCP-FA
24-90mm
f/3.5-4.5
AL [IF]



SMCP-FA
28-70mm
f/2.8 AL

SMCP-FA 24-90mm f/3.5-4.5 AL [IF] (PE249035FA)

This versatile 3.75x zoom lens covers the most frequently used focal lengths (from 24mm wide angle to 90mm medium telephoto) and offers a minimum focusing distance of 1.65' at any focal length. Thanks to the incorporation of two aspherical lens (AL) elements and extra-low-dispersion glass lens elements, it offers a high-contrast, high-resolution image reproduction over its entire zoom range. It also features internal-focus (IF) mechanism and ghostless lens coating to offer a bright, true-to-life image throughout the image field "even at the edges" when the picture is taken with a wide-angle setting at a close distance and against backlight. In addition, it comes equipped with a flower-shaped oval lens hood, which not only effectively shields the lens from excessive light, but also allows you to attach and remove the lens cap and adjust the polarizing filter through a window without having to remove the lens hood. Filter size is 67mm**429.95**

SMCP-FA 28-70mm f/2.8 AL (PE287028FA)

The 28mm~70mm f/2.8 is ideal for advanced amateurs and professionals. It provides wide-to-telephoto zoom coverage and high-quality image reproduction and features a maximum aperture setting of 2.8 throughout the zoom range. Autofocus is quiet and responsive. Zoom can be power-operated or done manually. Floating internal elements deliver optimal results throughout the focusing range. Features Pentax's acclaimed SMC coating to maximize light transmission and produce sharp, high-contrast images while minimizing flare and ghost imaging. Includes PH-RBC77 lens hood and soft case. Filter size is 67mm.....**1019.95**

PENTAX

AUTOFOCUS LENSES

ZOOM LENSES

SMCP-FA J 28-80mm f/3.5-5.6 AL (PE288035JFAA)

A standard zoom lens from a wide 28mm to a medium telephoto range of 80mm, this 'J'-type lens is a compact, light-weight lens that was designed to match the smaller size of the *ist and ZX-60 cameras. One of the ways the smaller size was made possible was by removing the aperture ring control from the lens. All aperture changes can be done directly on the camera. Treated with the acclaimed SMC-multi-coating to produce sharp, high-contrast images with minimal aberrations. (Note: This lens is not compatible with some of the older PZ series cameras, or with manual exposure camera models). Filter size is 58mm**59.95**

SMCP-FA 28-90mm f/3.5-5.6 L (PE289035FA)

The 28mm~90mm f/3.5~f/5.6 is a standard zoom lens ideal for both beginner and advanced photographers. It features super-compact dimensions and covers the most frequently-used focal length range — from 28mm wide angle to 90mm telephoto. Incorporates ten elements in eight groups and features a minimum focusing distance of 1.3 feet at any focal length. Its extra-compact, lightweight body measures 2.6 x 2.7" and weighs just 6.9 ounces. Filter size is 58mm.....**79.95**

SMCP-FA 28-105mm f/3.2-4.5 AL IF (PE2810532FA)

The SMC-FA 28-105mm lens is one of the most compact and light-weight in its category. Thanks to the incorporation of a hybrid aspherical lens element, it measures only 2.6" in diameter and 2.6" in length and weighs a mere 9.0 ounces. This aspherical element also contributes to the improvement in image quality and the reduction of coma and spherical aberrations. Image quality is further enhanced by the application of Pentax's original SMC ghostless coating. Other features include zoom macro capability down to 1.65'; an inner focus mechanism for fast, flawless focusing operations; and a flower-shaped lens hood (PH-RBC58) with a polarizing filter adjustment window. Filter size is 58mm**209.95**

SMCP-FA J 75-300mm f/4.5-5.8 AL (PE7530045FAB)

This telephoto-zoom lens is ideal for sports, portraiture, animals, etc. The telephoto effect can make the picture look compressed or have excellent background blur. This 'J'-type lens is compact and lightweight, designed to match the smaller size of the *ist and ZX-60 cameras. One of the ways the smaller size was made possible was by removing the aperture ring control from the lens. All aperture changes can be done directly on the camera. Treated with the acclaimed SMC-multi-coating it produce sharp, high-contrast images with minimal aberrations. (Note: This lens is not compatible with some of the older PZ series cameras, or with manual exposure camera models). Filter size is 58mm**129.95**



PENTAX

AUTOFOCUS LENSES

TELEPHOTO ZOOM LENSES

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SMCP-FA
80-200mm
f/4.7-5.6

SMCP-FA
100-300mm
f/4.7-5.8 A

SMCP-FA 80-200mm f/2.8 ED-IF (PE8020028FA)

A fast telephoto zoom with a constant bright aperture and outstanding optics. The 80mm-200mm f/2.8 lens is a moderate to long telephoto lens flexible enough to use in a variety of situations including sports and portrait photography. It provides a maximum aperture setting of 2.8 throughout the zoom range and incorporates a high-refraction extra low dispersion (ED) glass element to produce a high-resolution, high-contrast image with true-to-life color rendition. Pentax SMC multicoating gives the maximum light transmission. The zoom can be power-operated or moved manually. The tripod collar is removeable. Internal floating elements give optimal results throughout the focus range at all focal lengths. Includes soft lens case and PH-RBC77 lens hood. A great lens for photojournalism or portraiture. Filter size is 77mm.....1369.95

SMCP-FA 100-300mm f/4.7-5.8 A (PE10030047AS)

The SMCP-FA Zoom 100mm-300mm f/4.7-5.8 features a wide 3x zoom range covering a 100mm medium-telephoto to a 300mm super-telephoto range, making it versatile enough for many different subjects - from casual snapshots and portraits to sports and wildlife photography. This lens also incorporates zoom macro capability with a minimum focusing distance of 4.9' and reliable autofocus operation in combination with the ZX series SLR cameras. Pentax SMC multi-coating produces sharp, high-contrast images with minimal aberrations and gives maximum light transmission. Filter size is 58mm.....169.95

FILTERS: *The purpose of any filter - colored, UV, or polarizing - is to give the photographer greater control by determining the kind of light which enters his lens. Colored filters effect the picture by absorbing certain light wavelengths or color values and heighten the importance of others. Ultra-Violet filters absorb the ultra-violet wavelengths. Almost all light sources produce UV rays - the sun, fluorescent lights, flash bulbs or electronic flashes. Though the human eye cannot actually see UV rays, if they are not absorbed, they will create a haze effect over the photograph. (Most colored filters are also treated to absorb UV rays.) Polarizing filters cut through reflections by absorbing certain right-angle ray vibrations. Because Pentax SLRs have TTL exposure meters built in, they automatically adjust for the change in light produced by the filter.*

Skylight 1A	PESL49 24.95	PESL52 24.95	PESL58 34.95	PESL62 54.95	PESL67 54.95	PESL77 59.95
UV	PEUV49 24.95	PEUV52 24.95	PEUV58 34.95	PEUV62 54.95	PEUV67 54.95	PEUV77 59.95
81A	PE81A49 24.95	PE81A52 24.95	PE81A58 34.95	PE81A62 54.95	PE81A67 54.95	PE81A77 59.95
Circular Polarizer	PECP49 64.95	PECP52 64.95	PECP58 79.95	PECP62 109.95	PECP67 109.95	PECP77 164.95
Orange 02	PEO49 24.95		PEO58 34.95	PEO62 54.95	PEO67 54.95	PEO77 59.95
Red R2	PER49 24.95		PER58 34.95	PER62 54.95	PER67 54.95	PER77 59.95
Yellow #Y2	PEY49 24.95			PEY62 54.95	PEY67 54.95	PEY77 59.95

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Sync Cords for

AF-400T or Hot Shoe Grip

4P Sync Cord A (PESCA4P): For PC terminal of LX camera—retains TTL and dedicated flash functions (3' long)**33.95**

4P Sync Cord B (PESCB4P): For hot shoe contact. Can be used on all camera bodies; retains TTL and dedicated flash functions where applicable (3' long)**44.95**

4P Sync Cord C (PESCC4P): For standard PC terminal/Non-TTL (3' long)**33.50**

4P Sync Cord A (PESCA4P16): For PC terminal of LX camera; 16' long**44.95**

4P Sync Cord B (PESCB4P16): For hot shoe contact; 16' long**49.50**

Distributor for Multistrobe Lighting (PED)

Allows the use of up to three flash units for fully synchronized multi-flash photography. Attaches to camera via a 4P Sync Cord. Retains camera and flash automatic functions when used with 4P Sync Cord A or B. Connects to AF-400T or Hot Shoe Grip with 5-meter 4P Multi Sync Cord**39.95**

Off-Camera Operation

Used together, the Hot Shoe Adapter FG and Off-Camera Shoe Adapter F permit off-camera flash operation with ZX-series SLR cameras and AF-220T, AF-360FGZ, and AF-500FTZ flashes. The Extension Cord F5P or F5PL connects the two of them together.

Alternatively, you can combine a Hot Shoe Adapter F and Extension Cord F5/F5PLP.

Hot Shoe Adapter F (PEHSAF)

Features a hot shoe connection on the top and bottom, plus a 5P (5 pin) cable connection on its side. 1.2 x .9 x 1.1"**24.95**

Hot Shoe Adapter FG (PEHSAFG)

Attaches to the camera hot shoe**35.95**

Off-Camera Shoe Adapter F (PEOCSAF)

Provides the same functions as the Hot Shoe Adapter FG without occupying the TTL hot shoe. It has a hot shoe on the top, and a 1/4-20" threaded hole at the bottom**42.95**

3' Extension Cord F5P (PEECF5P)24.95

9.5' Extension Cord F5PL (PEECF5PL) .54.95



AF-201SA TTL Shoe Mount Flash (PEAF201SA)

Compact and lightweight, the AF-201SA is a dedicated auto flash that is the perfect companion for the ZX-M. Featuring an easy clip-on mounting mechanism, this series-controlled flash offers Programmed Auto Flash operation, a 35mm wide-angle coverage, and a guide number of 20 (at ISO 100/m). When mounted on the hot-shoe of the ZX-M, it automatically sets the X-sync speed when power is turned on. It also selects the appropriate aperture for the film used (provided that a A, F or FA series lens is used). Powered by 4 AA alkaline batteries**39.95**

AF-220T TTL Shoe Mount Flash (PEAF220T)

A compact and lightweight flash featuring an advanced TTL auto flash system, vertically adjustable flash head with a guide number of 22 (ISO 100/m), and an illumination range of 2.3 to-18'. Used with Pentax PZ- and ZX-series autofocus cameras, the flash discharge level is automatically adjusted; when turned on, the camera's X-sync speed is automatically selected and the flash-ready mark in the camera's viewfinder lights up. In addition to the conventional horizontal position, the flash head can be set at a 60- or 90° angle to the subject for bounce flash photography. Powered by 4 AA alkaline or nicad batteries**49.95**



AF-280T TTL Thyristor Auto Shoe Mount Flash (PEAF280T)

The AF-280T features powerful guide number of 92 (ISO 100/m) and 28mm wide angle coverage, yet the flash is extremely compact, lightweight and well-balanced. TTL mode delivers an automatic exposure range from 0.8 to 65' with an f/1.4 lens and ISO 100 film. In automatic it allows you to select from two aperture settings (f/4 and f/8) for depth-of-field control and a maximum automatic operating distance of 24'. Override allows for total manual control and synchronization at speeds other than "X". A versatile shoe mount unit, the AF-280T features a rotating flash head with 270° horizontal and 90° vertical settings plus a -15° setting for closeup work. The rotating head is especially useful for bounce or angle flash in the TTL mode. Powered by 4 AA alkaline or nicad batteries**169.95**



AF-360FGZ TTL Power Zoom Flash (PEAF360FGZ)

The professional AF-360FGZ works with all cameras. Full manual control of flash output is possible, or use the TTL flash capabilities of the camera to achieve easy exposure with every aperture. The pop-up flash incorporated into many Pentax SLRs can be used to trigger the AF-360 FGZ wirelessly, and when combined with the MZ-S this is done with TTL metering. Powered by 4 AA alkaline, lithium, or NiMH batteries.

- ◆ Auto zoom head covers from 24-80mm (includes 20mm wide angle adapter)
- ◆ Full TTL at all apertures (with TTL-capable Pentax cameras)
- ◆ Second-curtain sync, illuminated LCD panel, AF infrared lowlight assistance
- ◆ Vari-Power 1/1, 1/2, 1/4th, 1/8th, 1/16th and 1/32nd

- ◆ When used with the MZ-S, it offers "P-TTL" Preflash evaluative metering, "HSS" Focal plane high-speed flash sync, wireless TTL capability with ratio lighting control & four transmission channels, and Stroboscopic flash allows user to preview flash effects



\$209⁹⁵



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AF-400T TTL

Handle Mount Flash Kit (PEAF400TK)

The AF-400T is a professional handle mount unit for those who require maximum light output with total automatic and manual exposure control plus a wide variety of internal and external power source options. Handsomely-styled, it offers a guide number of 130 (ISO 100/m) and fully integrated TTL automatic exposure control with a host of Pentax cameras. It features TTL (up to 108-ft.), three power settings with Auto Flash (up to 33-ft.), and four power settings (full, 1/4, 1/16 or 1/25) with manual operation. Its rotating flash head can be adjusted 270° horizontal, 90° vertical and features a -15° setting for close-ups. The vertical angle can be further adjusted by changing the adjustment angles on the bracket and clamp. Includes clamp, quick release bracket, AA Grip Battery Pack and 4P Sync Cord B.....**439.95**



AF-500FTZ TTL Power Zoom Flash (PEAF500FTZ)



A shoe-mount flash, the AF-500FTZ has full TTL exposure control with the ZX, PZ and SF autofocus cameras, and its internal zoom head automatically adjusts to the F or FA zoom lens setting when the camera's shutter button is pressed. The 24-85mm zoom range can also be set manually. The AF-500FTZ has a guide number of 50 (ISO 100/m) and can be used in TTL Auto or adjustable manual modes.

There is a Multiple Flash mode for stroboscopic flash effects, and the flash head tilts 90° vertically and swivels 270° horizontally. Other features include AF Spotbeam Projector for low-light autofocus and full information illuminated LCD panel.

To combine existing light and flash, Leading Shutter Curtain Sync and Trailing Shutter Curtain Sync modes are available. The Contrast Control Sync mode gives a 1:2 lighting ratio with the PZ's RTF flash. For cable-free, off-camera manual flash operation, a built-in slave trigger is fired by the on shoe-mount flash**299.95**

AF140-C Macro Ring Light Flash (PEAF140C)

The AF140-C is a TTL auto flash with a guide number of 14 (ISO 100/m) for shadowless macro flash photography. It has a 360° circular flash head that clips-on to the camera lens to provide even illumination for a wide variety of subjects. It also has four separate flash tubes, so depending on lighting conditions, the tubes can be manually selected to fire either as one or two pairs, for perfect exposures and three dimension flash effects.



- ◆ Built-in modeling light to check lighting conditions
- ◆ Manual flash capability, in addition to the TTL auto flash mode
- ◆ Aperture can be manually selected in the TTL auto flash mode. When the camera's aperture is set to auto, the flash selects f/5.6 or f/22 automatically for proper exposure.
- ◆ Operates jointly with the AF Ring Light Control Unit, which attaches directly to the camera's hot-shoe.
- ◆ Powered by 4 AA alkaline or nicad batteries
- ◆ Includes soft case and 49mm, 52mm and 58mm attachment adapters**389.95**

Hot Shoe Grip (PEGHS):

For using Hot Shoe type flash units off camera. Must be used with 4P Sync Cords A, B, or C. Retains all TTL and dedicated functions where applicable. Has tripod socket on bottom cover**44.95**

Cold Shoe Clamp (PECL10):

For remote use**54.95**

Hot Shoe Adapter 2P (PEHSA2P):

For cameras without PC terminals. Attaches to camera's hot shoe; has a standard PC terminal. Use with ZX, PZ and flash units that require a PC cord connection**31.95**

TR Power Pack II

for AF-500FTZ Flash (PETRPP2):

Uses 6 "C" batteries to give approximately 400 flashes with 4-sec. recycle time with fresh alkaline (only) batteries. Comes with case, power cord and strap**129.95**

Transistor Pack

for AF-400T (PETPPAF400T):

Power stored in units transistor circuitry for fast recycle time. Uses 6 "C" cell batteries. Carry with either the supplied shoulder strap or belt loop. Approx. 210 flashes available with 17-second intervals at full power with alkaline batteries, 150 flashes with nicad batteries. Recycle time is 7 seconds with fresh alkaline or 6 seconds with fully charged nicad batteries at full power**119.95**



510v Power Pack

for AF-400T (PEPP510AF400):

Uses a 510v high-voltage laminated battery. Has greatest number of flashes and faster recycling time than other portable power sources. Carry with either the supplied shoulder strap or belt loop. Approx. 300 flashes available with 30-second intervals at full power. Recycle time is 2 seconds at full power with fresh batteries**197.95**

AFT-2 Telephoto Adapter II

for AF-400T (PETA2AF400T):

Concentrates flash beam when using telephoto lenses**27.95**

AFW-2 Wide Angle Adapter II

for AF-400T (PEWAA2AF400T):

Extends flash coverage to use with wide angle lenses down to 24mm**16.50**

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24mm f/2.8 Wide Angle Lens

Perfect for all those wide-angle shots where you want to get more of an area in the photograph such as a magnificent landscape or a holiday dinner with all the relatives at the table. Filter size is 52mm.

For Canon FD (PH2428C).....	74.95	For Contax/Yashica (PH2428CY).....	74.95
For Minolta MD (PH2428M).....	74.95	For Nikon AI (PH2428N).....	74.95
For Olympus OM (PH2428O).....	74.95	For Pentax K (PH2428P).....	74.95
For Universal Screw Mount Cameras (PH2428U).....	74.95		

28mm f/2.8 Wide Angle Lens

This is the most popular wide angle focal length. The 28mm lens can be used for scenes, group shots and interiors. It is perfect for the person who doesn't need the extra versatility of a zoom lens in the wide angle focal lengths. Filter size is 49mm.

For Canon FD (PH2828C).....	64.95	For Contax/Yashica (PH2828CY).....	64.95
For Minolta MD (PH2828M).....	64.95	For Nikon AI (PH2828N).....	64.95
For Olympus OM (PH2828O).....	64.95	For Pentax K (PH2828P).....	64.95
For Universal Screw Mount Cameras (PH2828U).....	64.95		

100mm f/3.5 Macro Lens

Whether you are an oral surgeon or just love to take close-ups of flowers, this lens features 1:2 macro without the included adapter and 1:1 with the adapter. It focuses down to an incredible 2.6" from the front of the lens. Filter size is 49mm.

For Canon FD (PH10035MC).....	119.95	For Contax/Yashica (PH10035MCY).....	119.95	For Minolta MD (PH10035MM).....	119.95
For Nikon AI (PH10035MN).....	119.95	For Olympus OM (PH10035MO).....	119.95	For Pentax K (PH10035MP).....	119.95
For Universal Screw Mount Cameras (PH10035MU).....	119.95				

500mm f/8 Lens

This incredibly compact and lightweight ultra-telephoto lens uses an advanced reflex design that is ideally suited for wildlife and sports photography. It has a fixed aperture of f/8 and comes complete with a soft pouch and three rear mounted 30.5mm filters (ND2x, ND4x and Skylight). Simple T-mount adapters screw on the lens and make this lens adaptable to fit almost any current or even discontinued camera.

For Canon FD (PH5008C).....	109.95	For Contax/Yashica (PH5008CY).....	109.95	For Minolta MD (PH5008M).....	109.95
For Nikon AI (PH5008N).....	109.95	For Olympus OM (PH5008O).....	109.95	For Pentax K (PH5008P).....	109.95
For Universal Screw Mount Cameras (PH5008PU).....	109.95				

19-35mm f/3.5-4.5 Wide Angle Zoom Lens

A perfect, inexpensive choice for the user that needs the versatility of a wide angle zoom. Ideal for use at sporting events, family outings, or on vacations. A bayonet mount lens hood is included. Filter size is 77mm.

For Canon FD (PH193535C).....	139.95	For Contax/Yashica (PH193535CY).....	139.95
For Minolta MD (PH193535M).....	139.95	For Nikon AI (PH193535N).....	139.95
For Olympus OM (PH193535O).....	139.95	For Pentax K (PH193535P).....	139.95
For Universal Screw Mount Cameras (PH193535U).....	139.95		

28-80mm f/3.5-5.6 Wide Angle Zoom Lens

Weighing only 8.3 oz., this small, compact lens is the perfect replacement for a standard 50mm lens. It covers the typical wide-angle to a moderate telephoto range while retaining the size and weight most desired in an everyday lens. Filter size is 58mm.

For Canon FD (PH288035C).....	84.95	For Contax/Yashica (PH288035CY).....	84.95
For Minolta MD (PH288035M).....	84.95	For Nikon AI (PH288035N).....	84.95
For Olympus OM (PH288035O).....	84.95	For Pentax K (PH288035P).....	89.95
For Universal Screw Mount Cameras (PH288035U).....	Call		



PHOENIX

MANUAL FOCUS LENSES

28-210mm f/3.5-5.6 High Power Wide Angle Zoom

A inexpensive lens that is ideal for everyday usage. The 28-210mm gives you the advantage of wide angle views as well as moderate telephoto views. Perfect for any type of photography wherever you may travel. Filter size is 72mm.

- | | |
|--|---|
| For Canon FD (PH2821035C)134.95 | For Contax/Yashica (PH2821035CY) 134.95 |
| For Minolta MD (PH2821035M)134.95 | For Nikon AI (PH2821035N).....134.95 |
| For Olympus OM (PH2821035O) ..134.95 | For Pentax K (PH2821035P).....134.95 |
| For Universal Screw Mount Cameras (PH2821035U) | 134.95 |

70-210mm f/4.5-5.6 Telephoto Zoom

This lens is the most popular telephoto zoom lens. Incredibly compact and lightweight, the 70-210mm is ideal for portaiture use. It also makes a great companion to the 28-80mm wide angle zoom lens. Filter size is 52mm.

- | | |
|--|--|
| For Canon FD (PH7021045C)89.95 | For Contax/Yashica (PH7021045CY)...89.95 |
| For Minolta MD (PH7021045M)89.95 | For Nikon AI (PH7021045N)89.95 |
| For Olympus OM (PH7021045O)89.95 | For Pentax K (PH7021045P)89.95 |
| For Universal Screw Mount Cameras (PH7021045U) | 89.95 |

100-300mm f/5.6-6.7 Super Telephoto Zoom

The 100-300mm tele-zoom lens is an inexpensive way to grab those far-away shots. Manufactured by using the latest technology, this lens is extremely lightweight and compact. Use this lens to zoom in on your favorite baseball player on the field at a ball game, the quarterback about to pass at a football game, your favorite tennis star or your child at a little league game. The opportunities are endless. Filter size is 55mm.

- | | |
|---------------------------------------|--|
| For Canon FD (PH10030056C).....109.95 | For Contax/Yashica (PH10030056CY).109.95 |
| For Minolta MD (PH10030056M) ..109.95 | For Nikon AI (PH10030056N).....109.95 |
| For Olympus OM (PH10030056O)..109.95 | For Pentax K (PH10030056P).....109.95 |

100-500mm f/5.6-8.0 Super Telephoto Zoom

An ultra-telephoto zoom lens, the 100-500mm offers the outdoor photographer amazing versatility because of it's 5x zoom range. It goes from portrait length to extreme telephoto with one-touch ease. When you need to get up close but you physically can't, this is the lens to use. When comparing focal length, range, features and price, no other zoom lens comes close. It features a rotating tripod mount with locking knob. Includes a hard lens case. Filter size is 67mm.

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|--|---|
| For Canon FD (PH10050056C).....349.95 | For Contax/Yashica (PH10050056CY)..349.95 |
| For Minolta MD (PH10050056M) ..349.95 | For Nikon AI (PH10050056N)349.95 |
| For Olympus OM (PH10050056O).349.95 | For Pentax K (PH10050056P)349.95 |
| For Universal Screw Mount Cameras (PH10050056U)..... | 349.95 |

650-1300mm f/8-16 Super Telephoto Zoom

This lens is the economical way to do extreme telephoto photography, up to 1300mm. The lens features a 650-1300mm zoom range, and has only one effective aperture at any focal length, which is variable from f/8 at 650mm to f/16 at 1300mm. This lens features a T-mount, and requires an appropriate T-mount camera adapter.

- Available with a Canon FD T-Mount (PH6501300TC), Konica T-Mount (PH6501300TK), Minolta MD T-Mount (PH6501300TM), Nikon T-Mount (PH6501300TN), Olympus OM T-Mount (PH6501300TO), Pentax K T-Mount (PH6501300TP), Contax/Yashica T-Mount (PH6501300TCY), Pentax Universal T-Mount (PH6501300TPU), Canon EOS T-Mount (PH6501300TCE), or with Minolta Maxxum T-Mount (PH6501300TMM).....299.95
- Without T-Mount (PH6501300T).....299.95



28-210mm
f/3.5-5.6
High Power
Wide Angle Zoom

70-210mm f/4.5-5.6
Telephoto Zoom

100-500mm
f/5.6-8.0
Super Telephoto
Zoom

CAMERAS & LENSES

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PHOENIX

AUTOFOCUS LENSES

CAMERAS & LENSES

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100mm f/3.5
Macro Lens



19-35mm
f/3.5-4.5
Wide Angle
Zoom



28-105mm
f/2.8-3.8
Wide Angle
Zoom Lens



28-300mm
f/4.0-6.3
High Powered
Wide Angle
Zoom Lens

100mm f/3.5 Macro Lens

Whether you are an oral surgeon or just love to take close-ups of flowers, this lens features 1:2 macro without the included adapter and 1:1 with the adapter. It focuses down to an incredible 2.6" from the front of the lens.

For Canon EOS (PH10035MCAF)169.95 For Nikon AF (PH10035MNAF)149.95
For Minolta Maxxum (PH10035MMAF) ...149.95 For Pentax AF (PH10035MPAF)149.95

19-35mm f/3.5-4.5 Wide Angle Zoom Lens

A perfect, inexpensive choice for the user that needs the versatility of a wide angle zoom. Ideal for use at sporting events, family outings, or on vacations. A bayonet mount lens hood is included.

For Canon EOS (PH193535CAF)169.95 For Nikon AF (PH193535NAF)159.95
For Minolta Maxxum (PH193535MAF)159.95 For Pentax AF (PH193535PAF)159.95

28-80mm f/3.5-5.6 Wide Angle Zoom Lens

Weighing only 8.3 oz., this small, compact lens is the perfect replacement for a standard 50mm lens. It covers the typical wide-angle to a moderate telephoto range while retaining the size and weight most desired in an everyday lens.

For Canon EOS (PH288035CAF)79.95 For Nikon AF (PH288035NAF)69.95
For Minolta Maxxum (PH288035MAF)69.95 For Pentax AF (PH288035PAF)69.95

28-105mm f/2.8-3.8 Wide Angle Zoom Lens

This autofocus Phoenix lens is the perfect, inexpensive, lightweight lens for all-around use. Because of the fast aperture, it is great even in lower light conditions. Take it on vacations, sports events or family outings. Bayonet mount lens hood is included.

For Canon EOS (PH2810528CAF)169.95 For Nikon AF (PH2810528NAF)159.95
For Minolta Maxxum (PH2810528MAF)159.95

28-210mm f/3.5-5.6 High Power Wide Angle Zoom

A inexpensive lens that is ideal for everyday usage. The 28-210mm gives you the advantage of wide angle views as well as moderate telephoto views. Perfect for any type of photography wherever you may travel.

For Canon EOS (PH2821035CAF)159.95 For Nikon AF (PH2821035NAF)149.95
For Minolta Maxxum (PH2821035MAF)149.95

28-210mm f/4.2-6.5 Aspherical IF Zoom

This lens features aspherical elements to produce extra sharp pictures with almost no distortion. It also features "internal focusing" so that the lens does not rotate on the front when focusing, a helpful feature when using a polarizer filter and it's unique (included) lens hood.

For Canon EOS (PH2821042CAF)189.95 For Nikon AF (PH2821042NAF)179.95
For Minolta Maxxum (PH2821042MAF) ...179.95 For Pentax AF (PH2821042PAF)179.95

28-300mm f/4.0-6.3

High Powered Wide Angle Zoom Lens

The Phoenix AF 28-300mm lens is your do-it-all lens. If you have only one lens, this is the one to have. The incredible range gives you everything from wide vistas to cropped in telephoto shots for sports or perfect candid of wild animals.

For Canon EOS (PH283004CAF)199.95 For Nikon AF (PH283004NAF)189.95
For Minolta Maxxum (PH283004MAF)189.95



EQUIPMENT LEASING AVAILABLE

PHOENIX

AUTOFOCUS LENSES

70-210mm f/4.5-5.6 Telephoto Zoom

This lens is the most popular telephoto zoom lens. Incredibly compact and lightweight, the 70-210mm is ideal for portaiture use. It also makes a great companion to the 28-80mm wide angle zoom lens.

For Canon EOS (PH7021045CAF)99.95 For Nikon AF (PH7021045NAF)99.95
 For Minolta Maxxum (PH7021045MAF)99.95

100-300mm f/5.6-6.7 Telephoto Zoom

The 100-300mm tele-zoom lens is an inexpensive way to grab those far-away shots. Manufactured by using the latest technology, this lens is extremely lightweight and compact. Use this lens to zoom in on your favorite baseball player on the field at a ball game, the quarterback about to pass at a football game, your favorite tennis star or your child at a little league game. The opportunities are endless.

For Canon EOS (PH10030056CA)129.95 For Nikon AF (PH10030056NA)114.95
 For Minolta Maxxum (PH10030056MA) ...114.95 For Pentax AF (PH10030056PA)114.95

100-400mm f/4.5-6.7 Telephoto Zoom

Take this lens on your next safari, or to the zoo with the kids. Focus on your subject, come in tight for detail and catch the unexpected. If you're at a sports event or standing on top of a mountain, you can focus out to infinity and still get breathtaking results. Getting spectacular zoom-effect shots takes a super tele-zoom like this 100-400mm lens and just a little creativity. Bayonet mount lens hood is included.

For Canon EOS (PH10040045CA)209.95 For Nikon AF (PH10040045NA)189.95
 For Minolta Maxxum (PH10040045MA) ...189.95 For Pentax AF (PH10040045PA)209.95



CAMERAS & LENSES

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FLASHES



RL-59C TTL Macro Ringlight Flash

With unbelievable power for the price, the RL-59 series of ringlight flashes from Phoenix delivers. Made for each specific autofocus camera, they give full TTL metering to allow accurate exposures of closeup subjects. When shooting at extremely short distances, relatively minor movement of lighting and subject results in relatively large changes of exposure. Shooting quick-moving subjects in rapidly changing conditions becomes an exercise in dependency on film latitude. TTL metering eliminates the need for lengthy calculations of exposure, because the inherent loss of light at macro distances can automatically be accounted with ease.

RL-59C for Canon EOS (PHRLCAF)89.95
 RL-59C for Minolta Maxxum (PHRLMAF)89.95

RL-59C for Nikon AF (PHRLNAF)89.95
 RL-59C for Pentax AF (PHRLPAF)89.95

Phoenix 66S Pro Slave Manual Handle Mount Flash (PH66S)

The PH-66 is a handle mount flash ideal for use with point and shoot cameras. There is no need to connect the flash and camera because the unit has a built-in slave system. Of course, a PC cord can also be used when you have a camera equipped with a PC terminal39.95



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SIGMA

SA-7/SA-9QD

35mm Autofocus SLRs

Sigma's AF SLR cameras, the SA-7 and SA-9QD provide the right mix of features for great photographic versatility, in compact, lightweight camera bodies. Together with Sigma's comprehensive system of lenses, flash and accessories, they can fulfill almost any photographic need, while maintaining simplicity of design and operation.

They feature automatic and manual exposure control, as well as automatic and manual focus capabilities. In addition they feature a stainless steel lens-mount, built-in flash with red-eye reduction, automatic film handling, three metering systems, multiple auto exposure modes including a shiftable program exposure mode, AE Lock, auto-exposure bracketing, depth-of-field preview, mirror lock-up capability, 3-channel wireless remote control receiver, and wireless TTL control flash (with optional EF500 DG Super or EF500 Super flash units). The SA-7 features a high-speed shutter of 1/2000 and flash sync 1/90 of a second. Continuous shooting of up to 1.5 fps (frames-per-second) is possible. Otherwise identical, the high performance SA-9 QD steps up with action-stopping shutter (1/8000) and flash sync (1/180) speeds, high speed 3 fps shooting and a built-in databack.



FEATURES

Precise Autofocus

- ◆ Using AF-cross sensor in the center of the viewfinder, they feature fast, easy and precise autofocusing capability. You simply set the point of focus on any selected part of a subject while looking through the viewfinder. The AF-cross sensor does the rest offering excellent tracking capability and the ability to focus multiple subject types. Your pictures will never be out of focus.
- ◆ There are two focus modes to match shooting purpose and subject:
 - Single AF mode with a “focus” indicator light in the viewfinders along with an electronic sound to indicate correct focus.
 - Continuous AF mode when shooting a subject moving at constant speed, such as sporting events or people marching in a parade.
- ◆ A predictive AF function in the Continuous AF mode ensures optimum focus when taking pictures of subjects moving towards or away from you at constant speed. It will latch onto subjects between infinity and 26.4 feet moving as fast as 30 miles per hour.

Three Metering Systems

- ◆ 8-Segment Evaluative Metering: When selected this mode divides the image into 8 parts, and the light intensity of each segment is measured independently. An optimum exposure is calculated based on the information obtained by this metering.
- ◆ Center Area Metering: In this mode, the light intensity of an area (about 9mm in diameter at the center of the viewfinder) is measured so that you can select an exposure value to obtain the intended image. Since the light intensity is detected only at the center of the viewfinder, this mode lets you eliminate the effects of surrounding light sources when setting the exposure.
- ◆ Average Metering: This mode measures the light intensity at the center of the viewfinder image, but also takes the brightness of the surrounding area into consideration. This is the most common metering mode. When used with the exposure compensation function, this mode provides effective exposure control, according to the type of subject being photographed.

Exposure Modes

- ◆ The dial for adjusting shutter speed and the selector for setting exposure mode are positioned together for smooth and reliable operation.
 - Program Auto (P): In this mode, the cameras automatically set the shutter speed and aperture, enabling quick shooting.
 - Shiftable Program mode lets you 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
 - In Aperture-priority mode you select the aperture and the cameras set the optimum shutter speed.
 - In Shutter-priority you select the shutter speed and the cameras sets the correct aperture value.
 - In Manual mode you select both the aperture and shutter speed in any combination.



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SIGMA

SA-7/SA-9QD

Preview Button

- ◆ Pressing the Preview button adjusts the lens aperture to the value set, allowing you to check the depth of field of the intended image. The Preview function also lets the photographer confirm the

Dioptr Compensation

- ◆ Diopter compensation function enables dioptic adjustment of the viewfinder to suit individual users. This makes the viewfinder image easier to see, facilitating image composition setting.

Mirror Lock-Up

- ◆ The Mirror Lock-up function opens the shutter after vibration caused by flipping the mirror up stops, to ensure image sharpness. This function is especially useful when using a super-long telephoto lens to take scenic shots.
- ◆ Use the RS-21 Remote Control with the Mirror Lock-up function to ensure blur-free pictures, unaffected by mirror impact. The remote also lets you operate the shutter away from the camera. This is ideal for taking self-portraits, family pictures, etc. (The RS-21 has three channels to prevent interference with other SA cameras being operated by remote control nearby.)



Exposure Control

- ◆ When shooting in tricky lighting situations such as high-contrast scenes, snowy landscapes, or dark shadows, you can use exposure compensation or bracketing to ensure you get the exposure that best renders the scene. With the SA-7 and SA-9D, exposure can be compensated up to ± 3 EV in 0.5 increments.
- ◆ In addition, the Auto Bracket function allows continuous shooting of images at three different exposure levels (standard, under- and over-exposure).
- ◆ Multiple exposure function allows the creation of dazzling, surreal effects by recording up to nine images on a single frame of film.



Built-in Flash

When flash is required for indoor shooting due to insufficient light, the flash indicator in the viewfinder blinks. The cameras have a built-in flash that employs a TTL auto light control system covering a 28mm lens with a Guide Number of 40/ft ISO 100. Flash modes include red-eye reduction.

Internal Motor (HSM-equip) for High-Speed Noiseless AF

An AF internal lens motor drive ensures ideal focusing operation for more than 40 different types of Sigma lenses including hypersonic motor (HSM) lenses. Use of Sigma lenses equipped with a hypersonic motor (HSM) ensures high speed focusing with minimal operating sound.

Convenient Controls and Displays

- ◆ The Command Dial is located near the shutter button. The Command Dial allows the setting of various functions when used in combination with other dials or function buttons. It minimizes operating errors and ensures precise control.
- ◆ The Drive dial is used for fine adjustment when taking pictures. Simply turning the dial easily sets both the Mirror Lock-up function and high-speed film advance. The Drive dial is designed to simplify operation for users.
- ◆ The dial for adjusting shutter speed and the selector for setting the exposure mode are located near one another. Designed with users in mind, these controls provide easy, reliable control of camera operations.
- ◆ The viewfinder displays a variety of information in easy-to-read characters and color, to assist photographers. You don't have to look away to obtain the necessary information. When used with the diopter compensation function, the viewfinder ensures the optimum diopter setting for every user.
- ◆ The LCD panel on top of the cameras display a variety of shooting information. These include low-battery warning, flash mode, metering mode, film counter, etc.
- ◆ Equipped with two- and ten-second self-timer modes. The 10-second self-timer mode is suitable for family pictures. The 2-second timer can be used instead of a cable release shutter mechanism, to help minimize vibration.

SA-7 vs. SA-9QD COMPARISON

	SA-7	SA-9QD
Shutter Speeds	30 sec. to 1/2000, B	30 sec. to 1/8000 plus B
Program/Aperture Priority	1/2000 to 30 sec.	1/8000 to 30 sec.
Shutter Priority	1/2000 to 4 sec.	1/8000 to 30 sec.
Manual Mode	1/2000 to 4 sec.	1/8000 to 30 sec.
Film Advance	1.5 frames per second	3 frames per second
External Flash Sync	Hot shoe (contact X, synchronized at 1/90-sec. or less, with dedicated flash linking contact), synchronization with high shutter speeds of up to 1/2000-sec. when using EF-500 Super in FP flash mode	Hot shoe (contact X, synchronized at 1/180-sec. or less, with dedicated flash linking contact), synchronization with high shutter speeds of up to 1/8000-sec. when using EF-500 Super in FP flash mode
Databack	—	Built-in
Dimensions (WxHxD)	5.2 x 3.6 x 2.7"	5.6 x 3.8 x 2.7"
Weight (excluding battery)	13.9 oz.	15.3 oz.

SIGMA

SA-7/SA-9QD

SA-7 & SA-9QD PRICING

SA-7 Body (SISA7) Includes a wide strap and two CR2 3v lithium batteries..... 179.95	SA-9 QD Body with Date (SISA9D) Includes a wide strap and one 2CR5 6v lithium battery 299.95
SA-7 Kit (SISA72LK) Includes an SA-7 body, 28-80mm and 70-300mm lenses and a gadget bag 349.95	SA-9 QD Kit (SISA9D2LK) Includes an SA-9QD body, 28-80mm and 70-300mm lenses and a gadget bag 399.95

FLASHES

EF-500 DG ST / EF-500 DG Super

Advanced Flash Photography

Sigma EF-500 series flashes provide large quantities of light with complete control of the camera (Canon, Nikon, Pentax, Minolta or Sigma). They feature high guide numbers and full TTL exposure automation, with simple operation. Powerful shoe-mount flashes, each is designed to compliment the capabilities of the 35mm SLR camera for which it is intended.

The standard (ST) model features full exposure automation, full auto-zoom function and ease of operation. The Super model has the same power and automation, but steps up with more user control and creative functions, including wireless TTL exposure control, high speed (FP) synchronization, distance information functions, modeling light, slave functions and more.



- ◆ They provide a large amount of light, featuring a guide number of 165/ft with ISO 100.
- ◆ Autozoom function automatically sets the illumination angle in accordance with the focal length of the lens (from 28mm to 105mm)
- ◆ Built-in wide angle diffuser covers angle of view down to 17mm
- ◆ The flash head can be tilted by up to 90°, to the left by 180°, or to the right by 90°. It can also be tilted down by 7° for close-up shots.
- ◆ They run on four AA alkaline or NiMH batteries

EF-500 DG ST Flash:

For Minolta (SIEF500DGSTM), Pentax AF (SIEF500DGSTP), Sigma SA (SIEF500DGSTS), Canon EOS (SIEF500DGSTC) and Nikon AF (SIEF500DGSTN)**149.95**

EF-500 DG Super

Step-up Features

- ◆ Wireless slave function enables the control of multiple EF-500 DG Super flashes while preserving the automatic TTL control function
- ◆ "Modeling flash" mode provides proper light distribution to check the shadow of the subject.
- ◆ Multi pulse flash enables reduced power setting from 1/4 to 1/128 and the interval time of the flash can be set from 1Hz to 199Hz.
- ◆ FP flash which is capable of synchronizing the flash illumination with high shutter speeds, and the rear curtain synchro flash which allows delayed synchro photography.

EF-500 DG Super:

For Sigma (SIEF500DGSS), Nikon (SIEF500DGSN), Minolta (SIEF500DGSM), Pentax (SIEF500DGSP) and Canon EOS (SIEF500DGSC).....**199.95**

EM-140 DG TTL Macro Ringlight Flash



Designed for close-up photography the EM-140 DG Ring Flash is extremely effective for scientific and medical applications. Dual flash tubes can fire simultaneously or separately. Using only one flashtube creates modeling, which can give a three-dimensional feeling to the subject. The Modeling Flash function makes it possible to check for reflections and shadows before actually taking the flash picture. A wireless flash function is also available, where the EM-140 DG is used as master and the EF-500 DG Super as a slave unit for creating fine shadow details. High Speed Synchro and exposure compensation functions are also available for advanced flash photography.

EM-140 DG: For Sigma SA (SIEM140DGS), Canon EOS (SIEM140DGC) and Nikon AF (SIEM140DGN).....**349.00**



EQUIPMENT LEASING AVAILABLE

SIGMA

AF LENSES FOR CANON, MINOLTA, NIKON, PENTAX & SIGMA

AF Lenses for Canon, Minolta, Nikon, Pentax and Sigma

As the world's largest independent manufacturer of zoom and fixed focal length lenses, Sigma offers a highly innovative and creative selection of lenses ranging from 8mm to 800mm and virtually everything in between. The lenses offer a high level of performance, easy handling and advanced optical precision to create profound and emotional images. Sigma lenses are built with corresponding mounts to make them fully compatible with the SA-7 and SA-9QD as well as digital cameras from Canon, Minolta, Nikon and Pentax.

In addition, Sigma offers a number of lenses designed specifically for digital SLR cameras, which can also be used with 35mm SLRs. They are mostly wide-angle and wide zoom type lenses with large apertures (e.g. 20mm f/1.8, 24mm f/1.8, 28mm f/1.8, 24-70mm f/2.8, 15-30mm f/3.5-4.5), and feature superior light distribution, so that there is minimal light fall-off or vignetting, even when used at maximum aperture.

These lenses are designated DG type, and are part of Sigma's EX series of lenses. Remember that the digital imaging device is generally much smaller than a 35mm negative, so the lens will have a longer "effective" focal length. The conversion factor is generally about 1.5x, so a 14mm lens effectively becomes about 21mm when used on these digital cameras. As a result, there are few choices available for wideangle lenses, or even fast "normal" lenses, for these digital cameras. The DG lenses help fill this void.



CAMERAS & LENSES

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ULTRA WIDE-ANGLE LENSES

8mm f4 EX Circular Fisheye

This circular image focus fisheye lens captures a 180° view in all directions in a 22.08mm circle. In addition, it is useful for technical applications with solid angle measurement, such as the angle of view through the window with driver in the car or the pilot in the cockpit of an airplane. It accepts removable gelatin filters in a holder near the rear of the lens. The optical materials used are lead and arsenic free ecological glass.

For Canon (S184CAF)609.00 For Nikon (S184NAF)609.00
 For Minolta (S184MAF)609.00 For Sigma SA (S184SA) ...609.00 For Pentax AF (S184PAF).....609.00



14mm f2.8 EX Aspherical

The world's shortest focal length non-fisheye wide-angle AF lens with a fast f2.8 maximum aperture and a close focusing distance of only 7.1". The lens also incorporates a built-in "Perfect-Hood" lens hood and a gelatin filter holder behind the rear lens element. The AF drive for Nikon and Canon feature the ultra-quiet Hyper Sonic Motor (HSM). Includes padded case.

For Canon (S11428ACAF).....899.00 For Nikon (S11428ANAF)899.00
 For Minolta (S11428AMAF)899.00 For Sigma SA (S11428ASA)899.00
 For Pentax AF (S11428APAF)899.00

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AF LENSES FOR CANON, MINOLTA, NIKON, PENTAX & SIGMA

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WIDE-ANGLE LENSES

15mm f2.8 EX Diagonal Fisheye

This is a full-frame fisheye auto focus lens that fills the entire 35mm negative with a full 180° diagonal field of view. This unique lens enables you to create a variety of unusual compositions even when shooting ordinary subjects. It accepts gelatin filters in a holder near the rear of the lens. Includes padded case and built-in "Perfect-Hood" lens hood.

For Canon (SI1528CAF)469.00 For Nikon (SI1528NAF)469.00
 For Minolta (SI1528MAF)469.00 For Sigma SA (SI1528SA)469.00
 For Pentax AF (SI1528PAF)469.00



20mm f1.8 EX DG Aspherical RF



A super wide-angle lens with an angle of view 94.5°. It has macro focusing with a minimum focusing distance of 7.9" (reproduction ratio 1:4). An aspherical lens element in both the front and in the rear lens groups minimizes distortion, aspherical aberration and astigmatism. It has non-vignetting optical construction, in order to obtain adequate peripheral brightness even with open aperture. It incorporates a rear focus system eliminating front lens rotation. Dual-focus mechanism makes it easy to hold the lens, since the focusing ring does not rotate during auto-focus, yet it provides adequate focusing torque during manual focusing. Includes "Perfect-Hood" lens hood and case. Filter Size: 82mm.

For Canon (SI2018CAF)409.00 For Nikon (SI2018NAF)409.00
 For Minolta (SI2018MAF)409.00 For Sigma SA (SI2018SA)409.00
 For Pentax AF (SI2018PAF)409.00

24mm f1.8 EX DG Aspherical Macro

This fast wide angle lens incorporates non-vignetting optical construction in order to obtain adequate peripheral brightness even at open aperture. This makes it desirable for digital cameras. The lens also has macro focusing capability down to 7.1", while the 9-bladed iris obtains beautiful out of focus images. The lens incorporates the floating focus system and uses two aspherical lens elements for minimizing distortion, spherical aberration and astigmatism. Internal focus system eliminates front lens rotation allowing the use of a "Perfect Hood" and polarizing filters. Dual-focus mechanism makes it easy to hold the lens, since focusing ring does not rotate during auto-focus, yet it provides adequate focusing torque during manual focusing. Includes reversible lens hood and padded soft case. Filter size: 77mm.



For Canon (SI2418MCAF)339.00 For Minolta (SI2418MMAF)339.00
 For Nikon (SI2418MNAF)339.00 For Sigma SA (SI2418MSA)339.00 For Pentax AF (SI2418MPAF)339.00

28mm f1.8 EX DG Aspherical Macro



Almost identical to the 24mm f/1.8, the compact 28mm f1.8 EX DG (3.1" long) also incorporates minimum vignetting optical construction to ensure adequate peripheral brightness with open aperture, making it desirable for digital cameras. The lens focuses down to 7.9" in macro mode, while the 9-bladed iris obtains beautiful out of focus images. In addition, the lens is equipped with two aspherical lens elements, internal focus system and dual-focus mechanism. A "perfect hood" shields the lens to prevent ghosting and internal reflection. Includes reversible lens hood and padded soft case. Filter size: 77mm.

For Canon (SI2818MCAF)269.00 For Nikon (SI2818MNAF)269.00
 For Minolta (SI2818MMAF)269.00 For Sigma SA (SI2818MSA)269.00
 For Pentax AF (SI2818MPAF)269.00



AF LENSES FOR CANON, MINOLTA, NIKON, PENTAX & SIGMA

MACRO LENSES

50mm f2.8 EX DG Macro

To maintain high optical performance from infinity to close-up 1:1 macro photos without accessories, the Sigma 50mm f/2.8 EX DG incorporates a "Floating Internal Focusing" (FIF) system. As a result, the lens also features a non-rotating front lens group which makes it easier to work with polarizing filters, and has a focus limiter to narrow down the broad focus range. Plus, the improved minimum aperture of f/45 provides improved depth of field. This lens is designed as a high-quality primary macro lens, good for film or digital SLR cameras. The improved DG lens design corrects for various aberrations. This macro lens is specially coated to get the best color balance while cutting down on ghosting caused by reflections from the digital image sensor. Filter Size: 55mm.



For Canon (SI5028MDGCAF).....269.00 For Nikon (SI5028MDGNAF).....269.00
 For Minolta (SI5028MDGMAF).....269.00 For Sigma SA (SI5028MDGSA).....269.00 For Pentax (SI5028MDGPAF).....269.00



105mm f2.8 EX DG Macro

This macro lens delivers superb, distortion-free images throughout its broad focus range, from infinity telephoto to lifesize (1:1) macro, as close as 12.2" without accessories. Its non-rotating front lens group makes it easier to work with polarizing filters. A focus limiter helps divide the broad focus range into more manageable chunks. The "focus-free" mechanical design allows the lens to autofocus without any interference from the manual focus ring. Rugged construction makes it durable for even the heaviest use required by professional photographers. The improved DG lens design corrects various aberrations. This lens is coated to get the best color balance while cutting down on ghosting. Filter Size: 58mm.

For Canon (SI10528MDGCA).....399.00 For Nikon (SI10528MDGNA).....399.00
 For Minolta (SI10528MDGMA).....399.00 For Sigma SA (SI10528MDGSA).....399.00 For Pentax (SI10528MDGPA).....399.00

150mm f2.8 EX APO DG Macro/HSM

A super compact and lightweight large aperture telephoto lens, with life-size macro capability. To maintain high optical performance from infinity to close-up 1:1 macro photos without accessories, it incorporates a "Floating Internal Focusing" (FIF) system. As a result, the lens also features a non-rotating front lens group which makes it easier to work with polarizing filters. The AF drive for Canon and Nikon feature the ultra-quiet Hyper Sonic Motor (HSM). This DG lens design corrects various aberrations and provides the utmost correction against lateral chromatic aberration. Filter Size: 72mm.



For Canon (SI15028ACAF).....629.00 For Nikon (SI15028ANAF).....629.00
 For Minolta (SI15028AMAF).....629.00 For Sigma SA (SI15028ASA).....629.00 For Pentax (SI15028APAF).....629.00



180mm f3.5 EX APO Macro/HSM

This lens can focus from infinity to full 1:1 life-size from 18" away, making it ideal for shooting small animals or insects, etc. Apochromatic design and two SLD glass elements, plus floating inner focus system effectively control chromatic and spherical aberrations providing superb performance throughout the focusing range. Also features a focus limiter. Canon and Nikon mounts employ HSM for quiet, responsive AF function plus "full time" manual focus. Includes lens hood and case. Filter Size: 72mm.

For Canon (SI18035ACAF).....689.00 For Nikon (SI18035ANAF).....689.00
 For Minolta (SI18035AMAF).....689.00 For Sigma SA (SI18035ASA).....689.00 For Pentax (SI18035APAF).....689.00

SIGMA

AF LENSES FOR CANON, MINOLTA, NIKON, PENTAX & SIGMA

SUPER TELEPHOTO LENSES

300mm f2.8 APO EX/HSM

A compact Apochromatic telephoto lens with a fast f2.8 maximum aperture. It incorporates two Extraordinary Low Dispersion (ELD) glass elements to reduce chromatic aberration to a minimum. It incorporates internal focusing which enables responsive and fast auto focus speed. The AF drive for Canon and Nikon feature the ultra-quiet Hyper Sonic Motor (HSM). Includes a detachable tripod socket, rotatable drop-in filter holder, lens hood, padded carry case with strap, normal filter and circular polarizing filter. Filter Size: 46mm rear drop-in.

For Canon (SI30028AEXCA).....2599.00 For Nikon (SI30028AEXNA)2599.00
 For Minolta (SI30028AEXMA)2599.00 For Sigma SA (SI30028AEX)2599.00
 For Pentax AF (SI30028AEXPA).....2599.00



500mm f4.5 APO EX/HSM

Ultra-telephoto lens with a fast F4.5 maximum aperture, this lens incorporates two ELD glass elements to reduce chromatic aberration to a minimum. Internal focusing enables responsive and fast auto focus speed. The AF drive for Canon and Nikon features Sigma's ultra-quiet Hyper Sonic Motor (HSM). Very rugged, the lens also offers a host of conveniences including a built-in grip, rotating filter drawer, and tripod mount. Includes a lens hood, soft padded case, normal and circular polarizer rear drop-in filters and a front cover. Filter Size: 46mm rear drop-in.

For Canon (SI50045ACAFD)3249.00 For Nikon (SI50045ANAFD)3249.00
 For Minolta (SI50045AMAF)3249.00 For Sigma SA (SI50045ASA).....3249.00 For Pentax (SI50045APAF)3249.00

600mm f8.0 Mirror

"Mirror" lenses refer to systems comprised of reflecting mirrors with lenses, a combination that allows telephotos to be lighter and more compact than conventional lenses. The effect on the image is ring blur — great for portrait work. The beauty is heightened even more when lighting is effectively used in shooting, resulting in photographs with overwhelming emotive power. Characteristics that make this lens a true classic. This improved model delivers better performance at close range with increased peripheral light. The use of rear-insertion type filters enable rapid secure filter changes. The barrel's rugged ZEN finish helps it withstand hard outdoor use.

For Canon (SI6008CAF)399.00 For Minolta (SI6008MAF)399.00
 For Nikon (SI6008NAF).....399.00 For Sigma SA (SI6008SA)...399.00 For Pentax (SI6008PAF)399.00



1.4x and 2x EX APO Tele-Converters

Sigma's tele extender lenses can be used with fixed focal length lenses as well as most zoom lenses. Optically superb, they preserve the image quality of the lens their mounted to while multiplying their focal length by 1.4x or 2x. However, effective aperture is reduced by one f-stop and two f-stops respectively. (Note: call or check the B&H website for compatible lenses!)



1.4x APO for Canon (SI1.4XCAF)169.00 2x APO for Canon (SI2XCAF).....189.00
 1.4x APO for Nikon (SI1.4XNAF)169.00 2x APO for Nikon (SI2XNAF)189.00
 1.4x APO for Minolta (SI1.4XMAF)...169.00 2x APO for Minolta (SI2XMAF)189.00
 1.4x APO for Pentax (SI1.4XPAF)169.00 2x APO for Pentax (SI2XPAF).....189.00
 1.4x APO for Sigma SA (SI1.4XSA) ...169.00 2x APO for Sigma SA (SI2X)189.00

AF LENSES FOR CANON, MINOLTA, NIKON, PENTAX & SIGMA

ULTRA-WIDE ANGLE ZOOM LENSES

12-24mm f4.5-5.6 EX DG Aspherical/HSM

This lens has a large angle of view (122° super wide angle of view at 12mm along the diagonal axis) making it ideal for shooting indoors as well as outdoor landscape photography. It has a variable angle of view from 122° to 84.1°. It is equipped with four Special Low Dispersion (SLD) glass elements for effective compensation of color aberration which is a common problem with super wide-angle lenses. Three pieces of aspherical lenses offer excellent correction for distortion as well as all types of aberration for a high level of optical performance. Inner focusing system ensures the length of the lens remains unchanged while controlling aberration. By effective arrangement of lens elements and advanced technology the lens has super compact dimensions of 100mm full-length, and 87mm maximum diameter. Minimum focusing distance of 28" at all focal lengths. The lens is equipped with an integral petal-type hood to block out extraneous light. Rear gelatin filter slot.



For Canon (SI122445CAF).....709.00 For Nikon (SI122445NAF)709.00
 For Minolta (SI122445MAF)709.00 For Sigma SA (SI122445SA)709.00 For Pentax (SI122445PAF)709.00



15-30mm f3.5-4.5 EX Aspherical DG DF

This rectilinear lens has a minimum focusing distance of 11.8" at all focal lengths. A hybrid aspherical lens in the front lens group minimizes distortion and astigmatism, while molded glass aspherical lens in the rear group minimizes spherical aberration. 8-blade diaphragm achieves beautiful out of focus images in the foreground and background. Dual focus mechanism and inner focusing system makes it easy to hold. Includes non-removable "Perfect-Hood" and uses rear gelatin filters. Used on most digital SLR cameras, the effective zoom will be 22.5-45mm. Includes a padded case. 82mm filter size.

For Canon (SI153035CAF)619.00 For Nikon (SI153035NAF).....619.00
 For Minolta (SI153035MAF)619.00 For Sigma SA (SI153035SA).....619.00
 For Pentax (SI153035PAF)619.00

17-35mm f2.8-4 EX DG/HSM

The 17-35mm EX DG/HSM lens covers a super wide-angle range and has improved closer focusing over its predecessor. It is equipped with the Inner Focusing system that will keep the length of the lens unchanged while controlling aberration. The models which are equipped with HSM system (available for Sigma, Canon and Nikon camera mount lens) offer Full Time Manual Focusing. SLD (Special Low Dispersion) Glass is used for effective compensation of color aberration. Filter size: 77mm.



For Canon (SI173528DCAF).....499.00 For Nikon (SI173528DNAF)499.00
 For Minolta (SI173528DMAF).....499.00 For Sigma SA (SI173528DSA)499.00
 For Pentax (SI173528DPAF)499.00



20-40mm f2.8 EX Aspherical DG DF

The 20-40mm f2.8 EX provides a large maximum aperture for all focal lengths. The lens has minimum focus distance of 11.8 inches at all focal lengths and maximum magnification is 1: 4.6. It incorporates aspherical lenses in the front and rear lens group to minimize distortion, astigmatism and spherical aberration. Equipped with a Dual Focus and Inner Focus mechanism. Designed for digital SLR cameras, includes a removable petal shaped hood to prevent extraneous light

For Canon (SI204028CAF).....479.00 For Nikon (SI204028NAF)479.00
 For Minolta (SI204028MAF).....479.00 For Sigma SA (SI204028SA)479.00
 For Pentax (SI204028PAF)479.00

SIGMA

AF LENSES FOR CANON, MINOLTA, NIKON, PENTAX & SIGMA

WIDE ANGLE ZOOM LENSES



24-60mm f2.8 EX DG

A very compact design for a lens with this large an aperture. By effective arrangement of Special Low Dispersion (SLD) and aspherical glass elements, this lens has compact dimensions of 3.29" maximum diameter, and 33.2" length. In addition, features like IF (Internal Focusing) and a Zoom Lock switch make it a high performance zoom lens ideal for everyday or traveling use. The DG lens coating reduces flare and ghosting and creates optimum color balance. Filter size: 77mm.

For Canon (SI246028CAF)419.00 For Nikon (SI246028NAF)419.00
 For Minolta (SI246028MAF) ..419.00 For Sigma SA (SI246028SA)419.00 For Pentax (SI246028PAF)419.00

24-70mm f2.8 EX Aspherical DG DF

This fast lens covers ultra wide-angle to medium telephoto while providing a large f2.8 aperture at all focal lengths. It employs three aspherical lens elements to minimize spherical aberration, astigmatism and sagittal coma flare. It has two SLD glass elements to correct chromatic aberration and achieve a high level of optical performance. It also incorporates a Dual Focus mechanism. Since the front of the lens does not rotate, it allows use of polarizing filters. Includes "Perfect-Hood" and a padded soft case. Filter size: 82mm.

For Canon (SI247028DGCA)439.00 For Nikon (SI247028DGNA)439.00
 For Minolta (SI247028DGMA)439.00 For Sigma SA (SI247028DGSS)439.00
 For Pentax (SI247028DGPA)439.00



24-70mm f3.5-5.6 Aspherical HF

Employing a Helical Focusing system (HF) for focus adjustment, the front of this lens doesn't rotate allowing the use of polarizing filters. Minimum focusing distance to subject at all focal lengths is 15.7". Aspherical lens elements minimize distortion, spherical aberration and astigmatism, resulting in high image contrast and resolution. A depth of field scale helps in determining the subject's depth of field at a specific focal length and distance. Includes "Perfect-Hood" lens hood. Filter size: 62mm.

For Canon (SI247035CAF)129.00 For Nikon (SI247035NAF)129.00
 For Minolta (SI247035MAF) ...129.00 For Sigma SA (SI247035SA)119.00 For Pentax (SI247035PAF)129.00

24-135mm f2.8-4.5 Aspherical IF

This lens achieves a large aperture from a wide angle of view more than 80° at 24mm to standard 135mm zoom. A Special Low Dispersion (SLD) glass element and two aspherical lenses optimizes optical performance. At 24mm focal length this lens has a fast F2.8 maximum aperture. This lens has a super wide range of angles of view from 84.1 to 18.2°. It incorporates an internal focusing system, which eliminates front lens rotation, allowing use of polarizing filters and petal-type hoods. The lens materials used in this lens are lead and arsenic-free ecological glass. Filter size: 77mm.

For Canon (SI2413528ACA)359.00 For Nikon (SI2413528ANA)359.00
 For Minolta (SI2413528AMA)359.00 For Sigma SA (SI2413528ASA)359.00
 For Pentax (SI2413528APA)359.00



PERFECT HOODS



Designed for lenses that have a non-rotating front barrel. It has four flanges on its front, two longer at the top and bottom and two shorter ones at the sides with the "corners" between them cut away. They provide more effective shading than conventional hoods because they can be longer or deeper, without cutting off the corners of the image (vignetting).



AF LENSES FOR CANON, MINOLTA, NIKON, PENTAX & SIGMA

WIDE ANGLE ZOOM LENSES



28-70mm f2.8-4

This high speed lens features a large aperture, light weight and compact dimensions. At 28mm focal length this lens has a fast f2.8 maximum aperture. Very compact, the lens weighs only 8.6 oz. and measures 2.4" at full-length. The size and weight of this standard lens makes it very suitable for landscape photography, and snapshots. This lens has a minimum focus distance of 19.7" at all focal lengths. It incorporates an aspherical lens element to minimize distortion. The ecological glass used is lead and arsenic free. Filter size: 77mm.

For Canon (SI287028CCAF)	119.00	For Nikon (SI287028CNAF)	119.00
For Minolta (SI287028CMAF)	119.00	For Sigma SA (SI287028CSA)	119.00
For Pentax (SI287028CPAF)	119.00		

28-70mm f2.8 EX DG

The world's smallest, large and constant aperture zoom lens, the 28-70mm f2.8 EX DG features Super Multi Layer (SML) coating to give superb color performance while cutting down flare and ghost. Two SLD elements and four aspherical lenses provide the ultimate correction against distortion as well as all types of aberration, especially spherical aberration. Its advanced optical design ensures high performance throughout the entire zoom range. The use of aspherical lenses also produces a very small and lightweight lens design. Its compact, yet robust, construction has an overall length of 3.4", diameter of 2.9" and a weight of 18 oz. It has a minimum focusing distance of 13" at all focal lengths and a maximum magnification ratio of 1:4.4 which is convenient for close-up photography. The inner focus system allows the lens to be focused without rotating the front element, therefore a Petal-type hood and circular polarizing filters can easily be used. Filter size: 67mm.

For Canon (SI287028DGCA)	329.00	For Nikon (SI287028DGNA)	329.00
For Minolta (SI287028DGMA)	329.00	For Sigma SA (SI287028DGSA)	329.00
For Pentax (SI287028DGPA)	329.00		



28-80mm f3.5-5.6 II Aspherical Mini Zoom Macro

Covering the most popular focal length range from 28mm wide to 80mm mid-range telephoto, this ideal zoom has tele-macro capability for a maximum magnification ratio of 1:2, plus a minimum shooting distance of under 9.5". Everything from grab shots to portraits to close-ups are possible. Sigma's exclusive optical technology makes optimum use of aspherical lens elements to achieve results on par with fixed focal length lenses throughout the entire range. And with an overall length of 2.7" and a weight of under 9 oz., it is perfect for the photographer on the go. Filter size: 55mm.

For Canon (SI288035CAFQ)	79.00	For Nikon (SI288035NAFQ)	79.00
For Minolta (SI288035MAFQ)	79.00	For Sigma SA (SI288035P)	79.00
For Pentax (SI288035PAFQ)	79.00		



28-105mm f2.8-4.0 Aspherical IF

Featuring a wide focal length range and an unusually large aperture, this lens is perfect for snapshots and great travel photos. The 4-group zoom mechanism fully corrects astigmatism and distortion. Extra-wide aspherical lens allows large f2.8 maximum aperture (at the wide setting) in a compact body. Effective anti-flare feature helps achieve crisp-to-the-edge images. An internal focusing mechanism allows the front of the lens to remain stationary, allowing use of polarizing filters. Includes "Perfect-Hood" lens hood. Filter size: 72mm.

For Canon (SI2810528CAF)	199.00	For Nikon (SI2810528NAF)	199.00
For Minolta (SI2810528MAF)	199.00	For Sigma SA (SI2810528SA)	199.00
For Pentax (SI2810528PAF)	199.00		



SIGMA

AF LENSES FOR CANON, MINOLTA, NIKON, PENTAX & SIGMA

CAMERAS & LENSES

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WIDE ANGLE ZOOM LENSES

28-105mm f3.8-5.6 UC III Aspherical IF

Building upon its predecessors, this lens offers the same focal length range (28mm to 105mm), and focusing range (19.7 inches to infinity, at all zoom settings) and provides a slightly larger effective aperture (f/3.8-5.6), while reducing the weight to less than 10 oz. A new lens design, including the use of aspherical optics and new mechanical construction, are credited with the reduction in weight, while maintaining the high level of performance for which these lenses are known. Filter size: 62mm.

For Canon (SI2810538CAF)129.00 For Nikon (SI2810538NAF)129.00
 For Minolta (SI2810538MAF)129.00 For Sigma SA (SI2810538SA)129.00
 For Pentax (SI2810538PAF)129.00



28-135mm f/3.8-5.6 Aspherical IF Macro

This lens incorporates aspherical optics, plus a floating inner focusing system, and minimizes spherical aberration and stigmatism. This lens can focus from infinity to 19.7" at all focal lengths and as close as 9.4" (1:2 reproduction ratio) at the 135mm zoom position. It incorporates an inner focusing system and a non-rotating front lens barrel for convenient filter use. Aspherical optics minimize spherical aberration and stigmatism, while the supplied "Perfect-Hood" prevents extraneous light from degrading the image quality. Filter size: 62mm.

For Canon (SI2813538CAF)159.00 For Nikon (SI2813538NAF)159.00
 For Minolta (SI2813538MAF)159.00 For Sigma SA (SI2813538SA)159.00
 For Pentax (SI2813538PAF)159.00



28-200mm f/3.5-5.6 Compact Aspherical Hyperzoom Macro

High performance 28-200mm incorporates one aspherical lens element in the rear lens group and one Special Low Dispersion (SLD) glass element in the front lens group. With a maximum diameter of 2.75" and length of 2.96", it has a compact size. Internal focusing enables it to focus as close as 19.7" from film plane to subject, at all focal lengths, and the use of polarizing filters. Because of the inner focus system, the front barrel does not have to rotate to focus the lens, and a circular polarizing filter can be easily used. It includes the reversible "Perfect-Hood". Filter Size: 62mm.

For Canon (SI2820035MCA)199.00 For Nikon (SI2820035MNA)199.00
 For Minolta (SI2820035MMA)199.00 For Sigma SA (SI2820035MSA)199.00
 For Pentax (SI2820035MPA)199.00



28-300mm f3.5-6.3 Macro

Ultra compact dimensions (3.3" length, 2.9" diameter, and 10.7:1 zoom ratio) make this the ultimate traveling companion. Able to capture a wide ranging series of subjects it incorporates SLD (Special Low Dispersion) glass elements and aspherical lenses, to produce a high level of optical performance. It has a minimum focusing distance of 19.7" at all focal lengths, and is equipped with a macro mechanism for close-up photography at 300mm telephoto, with a reproduction ratio of 1:3. A "zoom lock" prevents the setting from being changed inadvertently, while an internal focusing system eliminates front lens rotation, allowing the use of polarizing filters and Petal type hoods. Filter Size: 62mm

For Canon (SI2830035MCA)269.00 For Nikon (SI2830035MNA)269.00
 For Minolta (SI2830035MMA)269.00 For Sigma SA (SI2830035MSA)269.00
 For Pentax (SI2830035MPA)269.00



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AF LENSES FOR CANON, MINOLTA, NIKON, PENTAX & SIGMA

TELEPHOTO ZOOM LENSES

50-500mm f/4-6.3 EX RF APO/HSM

This magnificent 10x superzoom encompasses all focal lengths from "normal" to ultra-telephoto for unmatched versatility. The use of an APO design, SLD glass, a seven group zoom system, and multi-coated optics, enables the highest level of performance. It also employs a rear focus system to insure quick, convenient manual focus and a non-rotating front barrel. The Hyper Sonic Motor provides quiet, responsive autofocus plus "full time" manual focus. Zoom Lock mechanism eliminates "zoom creep" when the lens is tilted up or down. Includes lens hood, magnesium tripod mount and case. Filter size: 86mm (coarse pitch).



For Canon (SI505004ACAF)**999.00** For Nikon (SI505004ANAF)**999.00**
 For Minolta (SI505004AMAF)**999.00** For Sigma SA (SI505004A)**999.00** For Pentax (SI505004APAF)**999.00**

70-200mm f/2.8 EX APO IF/HSM

This lens features apochromatic optical design and four SLD glass elements for high image contrast, resolution and color saturation. Large f/2.8 aperture is constant throughout the zoom range. Hyper Sonic Motor (HSM) provides silent, responsive autofocus action with Canon and Nikon AF cameras, and permits manual focus without having to switch off the autofocus function. Focus Free mechanism keeps the manual focus ring from spinning when the camera is autofocus. Internal zooming mechanism allows the lens length to remain constant during zooming. Includes "Perfect-Hood" lens hood, removable tripod collar and padded soft case. Filter Size: 77mm.



For Canon (SI7020028ACA)**839.00** For Nikon (SI7020028ANA)**839.00**
 For Minolta (SI7020028AMA)**839.00** For Sigma SA (SI7020028ASA)**839.00** For Pentax (SI7020028APA)**839.00**

70-300mm f4-5.6 APO Macro Super II

This tele-macro zoom is capable of focusing down to 1:2 (half life-size) ratio at 300mm. An optional 58mm achromatic close-up lens allows even closer focusing and reproduction ratios up to 1:1 (life-size) with superb optical quality. An APO tele zoom lens, the 70-300mm also incorporates two Special Low Dispersion (SLD) glass elements in the front lens group and one in the rear lens group, to minimize chromatic aberration. It includes a reversible bayonet hood and a padded soft case. Filter size: 58mm.



For Canon (SI703004ASCA)**219.00** For Nikon (SI703004ASNA)**219.00**
 For Minolta (SI703004ASMA)**219.00** For Sigma SA (SI703004ASSA)**219.00**
 For Pentax (SI703004ASPA)**219.00**

70-300mm f/4-5.6 Macro Super II

The 70-300mm f4-5.6 DL is a compact tele-macro zoom lens capable of focusing down to 1:2 (half life-size) reproduction ratio at 300mm. An optional 58mm achromatic close-up lens allows even reproduction ratios up to 1:1 (life-size) with superb optical quality. A reversible bayonet hood is provided. Filter Size: 58mm.



For Canon (SI703004SCAF)**139.00** For Nikon (SI703004SNAF)**139.00**
 For Minolta (SSI703004SMAF)**139.00** For Sigma SA (SI703004SSA)**139.00**
 For Pentax (SSI703004SPAF)**139.00**

SIGMA

AF LENSES FOR CANON, MINOLTA, NIKON, PENTAX & SIGMA

TELEPHOTO ZOOM LENSES

80-400mm f/4.5-5.6 EX OS APO

An ultra-telephoto zoom lens with a built-in image stabilizer to eliminate blur caused by camera shake. Two modes compensate for image blurring. Mode 1 determines the camera shake in vertical and horizontal panning and compensates blurring, which is effective when shooting static subjects. Mode 2 detects the vertical camera shake, and overcomes blurring. It is especially effective with moving subjects such as motor sports etc. Two Special Low Dispersion (SLD) glass elements in the front lens group and one in the rear group offer effective control of color aberration. This lens features full-time manual focusing and a removable tripod collar. The rear focus system prevents the front of the lens from rotating; a circular polarizing filter can be easily attached and used. This lens is also equipped with Zoom Lock Switch that eliminates "Zoom Creep".



For Canon (SI8040045CAF)999.00 For Nikon (SI8040045NAF)999.00 For Sigma SA (SI8040045SA)999.00

100-300mm f4.5-6.7 DL



The most compact zoom lens in its class, the 100-300mm f4.5-6.7 DL is less than 4" long and under 2.8" in diameter, with a filter diameter of just 55mm. SLD glass keeps color aberration to a minimum. Ideal for portrait, sports and nature shooting. Includes lens hood. Filter size: 55mm.

For Canon (SI10030045CA)129.00 For Nikon (SI10030045NA)129.00
 For Minolta (SI10030045MA)129.00 For Sigma SA (SI10030045SA)129.00
 For Pentax (SI10030045PA)129.00

100-300mm f4 EX APO IF/HSM

This remarkable telephoto zoom lens provides a large F4.0 maximum aperture at all focal lengths. It uses an APO design and 4 SLD glass elements (two in the front lens group and two in the rear group) for full correction of chromatic aberration — achieving the highest level of optical performance. Canon and Nikon mount are equipped with silent, responsive and high speed HSM (Hyper Sonic Motor) as well as full-time manual focus. A removable tripod mount is also included. This lens incorporates an internal focusing system, allowing the use of a "Perfect Hood" and circular polarizing filters. And since focusing and zooming do not change its overall length, this lens is easy to hold and use. Includes lens hood and case. Filter size: 82mm.



For Canon (SI1003004CAF)899.00 For Nikon (SI1003004NAF)899.00
 For Minolta (SI1003004MAF)899.00 For Sigma SA (SI1003004SA)899.00 For Pentax (SI1003004PAF)899.00

120-300mm f2.8 EX APO/HSM



A telephoto zoom lens which retains a constant fast aperture of F2.8 at all focal lengths and allows you to determine the picture composition you want without having to change your vantage point. It has two SLD (Special Low Dispersion) glass elements in the front lens group and one in the rear lens group for excellent correction of chromatic aberration. Models equipped with an HSM (Hyper Sonic Motor) combine high AF speeds with whisper-quiet operation. Since the front lens group does not rotate, it accepts a circular polarizing filter. Use this lens as a 168-420mm f4 AF tele-zoom

lens with the optional APO 1.4x Teleconverter or as a 240-600 mm f5.6 AF ultra-telephoto zoom lens with the APO 2x Teleconverter. The lens materials used in this lens are lead and arsenic free ecological glass. Filter Size: 105mm.

For Canon (SI12030028CA)2399.00 For Nikon (SI12030028NA)2399.00 For Sigma SA (SI12030028SA)2399.00



EQUIPMENT LEASING AVAILABLE

AF LENSES FOR CANON, MINOLTA, NIKON, PENTAX & SIGMA

SUPER-TELEPHOTO ZOOM LENSES

135-400mm f/4.5-5.6 Aspherical RF APO

Covering the most frequently used focal lengths, from mid to long-range telephoto, this lens lets you handle an unprecedented range of subjects from landscapes to fast action sports. It incorporates a 5-group zoom system to achieve sharp, high contrast results throughout the entire zoom range. Three SLD glass elements eliminate the secondary spectra effect normally associated with telephotos, while the rear focus system keeps the front lens from rotating, giving you easier use of polarizing filters. A convenient built-in rotary tripod mount eliminates vibration during shutter release. Includes reversible lens hood and padded soft lens case. Filter size: 77mm.



For Canon (SI13540045CA)	559.00	For Nikon (SI13540045NA)	559.00
For Minolta (SI13540045MA)	559.00	For Sigma SA (SI13540045SA)	559.00
For Pentax (SI13540045PA)	559.00		

170-500mm f5-6.3 Aspherical RF APO

This convenient and practical lens is great for sports and nature. It combines a 5 lens group zoom system with an aspherical lens element to deliver sharp high contrast images throughout the entire zoom range. It uses Sigma's unique apochromatic lens design and three SLD glass elements to eliminate aberrations usually found in ultra-telephoto lenses. And with Sigma's new focusing system, the front lens group doesn't rotate, which makes using polarized filters a snap. A convenient built-in rotary tripod mount eliminates vibration during shutter release. Includes a reversible lens hood and padded soft lens case. Filter Size: 86mm coarse pitch.



For Canon (SI1705005ACA)	699.00	For Nikon (SI1705005ANA)	699.00
For Minolta (SI1705005AMA)	699.00	For Sigma SA (SI1705005ASA)	699.00
For Pentax (SI1705005APA)	699.00		

300-800mm f5.6 EX IF APO/HSM

The 300-800mm f/5.6 EX IF APO/HSM is currently the longest zoom lens made by any manufacturer, and is ideal for nature/outdoor or sports photography. This extreme telephoto zoom lens provides a relatively large constant f/5.6 maximum aperture at all focal lengths. It covers the ultra-telephoto range up to 800mm. By continuously varying the angle of view from 8.2° to 3.1°, the lens takes a lot of the footwork out of picture composition. The use of Apochromatic design and two ELD (Extraordinary Low Dispersion) glass elements in the front lens group give full correction of chromatic aberration and provide a high level of optical performance. The AF drive for the Canon EOS, Nikon and Sigma mounts are equipped with the silent, responsive and high speed Hyper Sonic Motor and provides full-time manual focus override. A tripod mount is provided with the lens. Since zooming does not change the lens overall length, the lens is easy to hold and use. The materials used are lead and arsenic free ecological glass. Filter size: 46mm, in rear.



For Canon (SI3008005ACA)	6199.00	For Nikon (SI30080056NA)	6199.00	For Sigma SA (SI3008005ASA)	6199.00
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SIGMA

LENS SPECIFICATIONS

Lens	Corresponding AF Mount					Angle of View View (Diag.)	Minimum Aperture	Minimum Focus Distance	Filter Size	Dimensions	Weight
	S	M	N	P	C						
8mm f/4	O	O	D	O	O	180°	32	7.9"	Rear Filter	2.9 x 2.4"	11.2 oz.
14mm f/2.8	O	O	D	O	O	114.2°	22	7.1"	Rear Filter	3.2 x 3.6"	23.3 oz.
15mm f/2.8	O	O	D	O	O	180°	22	5.9"	Rear Filter	2.9 x 2.8"	11.7 oz.
20mm f/1.8	O	D	D	O	O	94.5°	22	7.9"	82mm	3.5 x 3.4"	18.3 oz.
24mm f/1.8	O	D	D	O	O	84.1°	22	7.1"	77mm	3.3 x 3.1"	17.1 oz.
28mm f/1.8	O	O	D	O	O	75.4°	22	7.9"	77mm	3.3 x 3.1"	16.9 oz.
50mm f/2.8	O	O	D	O	O	46.8°	32/45	1.6"	55mm	2.8 x 2.5"	11.3 oz.
105mm f/2.8	O	O	D	O	O	23.3°	32/45	4.7"	58mm	3.1 x 3.7"	15.9 oz.
150mm f/2.8	O	O	D	O	O	16.4°	22	15"	72mm	3.1 x 5.4"	31.6 oz.
180mm f/3.5	O	O	D	O	O	13.7°	32	9.05"	72mm	3.1 x 7.1"	33.3 oz.
300mm f/2.8	O	O	D	O	O	8.2°	32	98.4"	46mm (rear)	4.7 x 8.4"	84.7 oz.
500mm f/4.5 APO	O	O	D	O	O	5°	32	157.5"	46mm (rear)	4.8 x 13.8"	109.7 oz.
600mm f/8	O	O	O	O	O	4.1°	8 (fixed)	78.7"	30.5mm (rear)	3.9 x 4.8"	29.3 oz.
12-24mm f/4.5-5.6	O	D	D	O	O	122°-84.1°	22	11"	Rear filter	3.4 x 3.9"	21.6 oz.
15-30mm f/3.5-4.5	O	D	D	O	O	110°-71.6°	22	11.8"	Rear Filter	3.4 x 5.1"	21.8 oz.
17-35mm f/2.8-4	O	D	D	O	O	103.7°-63.4	22	10.6"	77mm	3.3 x 3.4"	19.8 oz.
20-40mm f/2.8	O	D	D	O	O	94.5°-56.8°	22	11.8"	82mm	3.5 x 4.2"	20.9 oz.
24-60mm f/2.8	O	D	D	O	O	84.1° - 39.6°	22	14.9"	77mm	3.3 x 3.4"	19.4 oz.
24-70mm f/2.8	O	D	D	O	O	84.1° - 34.3°	32	15.7"	82mm	3.5 x 4.5"	25.2 oz.
24-70mm f/3.5-5.6	O	D	D	O	O	84.1° - 34.3°	22	15.7"	62mm	2.7 x 3"	10.1 oz.
24-135mm f/2.8-4.5	O	D	D	O	O	84.1°-18.2°	32	19.7"	77mm	3.3 x 3.6"	18.8 oz.
28-70mm f/2.8-4	O	D	D	O	O	75.5°-34.3°	22	19.7"	58mm	2.7 x 2.4"	8.6 oz.
28-70mm f/2.8 EX DG	O	O	D	O	O	75.4°-34.3°	32	15.7"	77mm	3.3 x 4.0"	22.7 oz.
28-80mm f/3.5-5.6 II	O	O	D	O	O	75.4° - 30.3°	22	23.9" (9.8" Macro)	55mm	2.7 x 2.8"	9 oz.
28-105mm f/2.8-4	O	O	D	O	O	75.4°-23.3°	22-32	19.7"	72mm	3.0 x 3.1"	14.3 oz.
28-105mm f/3.8-5.6	O	O	D	O	O	75.4°-23.3°	22	19.7"	62mm	2.8 x 2.9"	9.7 oz.
28-135mm f/3.8-5.6	O	O	D	O	O	75.4° - 18.2°	22	19.7" (9.4" Macro)	62mm	2.9 x 2.9"	14.5 oz.
28-200mm f/3.5-5.6	O	D	D	O	O	75.4° - 12.3°	22	18.9"	62mm	2.76 x 2.96"	13.4 oz.
28-300mm f/3.5-6.3	O	D	D	O	O	75.4° - 8.2°	22	19.7"	62mm	2.9 x 3.3"	16.2 oz.
50-500mm f/4-6.3	O	O	D	O	O	46.8°-5°	22	39.4-118.1"	86mm	3.7 x 8.5	64.9 oz.
70-200mm f/2.8	O	O	D	O	O	34.3°-12.3°	32	70.9"	77mm	3.4 x 7.2"	44.8 oz.
70-300mm f/4-5.6 APO II	O	O	D	O	O	34.3°-8.2°	22	95" (37.4 Macro)	58mm	3.0 x 4.7"	18.7 oz.
70-300mm f/4-5.6 II	O	O	D	O	O	34.3°-8.2°	22	59" (37.4" Macro)	58mm	3.0 x 4.8"	19.2 oz.
80-400mm f/4.5-5.6	O	-	D	-	O	30.3° - 6.2°	32	70.9"	77mm	3.74 x 7.6"	61.8 oz.
100-300mm f/4.5-6.7 DL	O	O	D	O	O	24.4°-8.2°	22-32	78.8"	55mm	2.8 x 3.9"	14.5 oz.
100-300mm f/4	O	D	D	O	O	24.4° - 8.2°	32	70.9"	82mm	3.6 x 8.9"	50.8 oz.
120-300mm f/2.8	O	-	D	-	O	20.4° - 8.2°	32	59-98.4"	105mm	4.4 x 10.74"	91.7 oz.
135-400mm f/4.5-5.6	O	O	D	O	O	18.2° - 6.2°	32	78.8 - 86.6"	77mm	3.5 x 0.72"	43.9 oz.
170-500mm f/5-6.3	O	O	D	O	O	14.5° - 5°	32	118.1 - 126"	86mm	3.6 x 9.1"	47.4 oz.
300-800mm f/5.6	O	-	D	-	O	8.2° - 3.1°	32	236.2"	46mm (rear)	6.5 x 21.4"	207.4 oz.



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35RF



Manual Rangefinder Camera

The 35 RF is a manual rangefinder camera reminiscent of old times. Its die-cast aluminum chassis, silver finish, rubber side grip and high quality bayonet-mount lenses all make this the perfect choice for the serious rangefinder user. A classic rangefinder camera with high-end features, the 35RF offers mechanical and optical perfection, as well as brilliant viewfinder image, compact design, precise distance measurement and modern high-performance lenses.

- ◆ Its range-viewfinder is an optical tool of the utmost precision and guarantees a precise manual focusing.
- ◆ Framelines for 40, 50, 80mm lenses
- ◆ Precise trigonometric focusing in a permanently brilliant viewfinder ensures pin-point focus even in critical lighting conditions.
- ◆ Camera body is made of die-cast aluminum, and metal cover plates are in silver finish, with black rubberized finger grips
- ◆ Rollei M bayonet mount (accepts Leica and other brand M-mount lenses, as well as Canon, Contax, Leica, Nikon and Voigtlander 39mm screwmount lenses with an adapter)
- ◆ The laminar metal focal-plane shutter makes shutter release an aesthetic pleasure. A very exact sounding shutter release tells you that your picture has been recorded on film.
- ◆ Manually set ISO from 25-3200
- ◆ Shutter speeds range from a slow 1 second to a fast 1/2000 of a second to cover the most demanding shooting situations.
- ◆ Offers flash sync at 1/125 second via PC terminal and hot-shoe contact
- ◆ For exposure metering, the 35RF offers center-weighted TTL average metering (activated by lightly pressing the shutter release). Has a correct-exposure display and warnings against over/under exposure
- ◆ Manual loading, winding and rewinding
- ◆ Complete functional range even if batteries are low (except for exposure metering)

35RF 35mm Rangefinder Manual Focus Camera Body (RO35RF)

With strap, two 1.5-volt batteries and 2-year warranty599.95

35RF 35mm Rangefinder Manual Focus Camera Kit (RO35RF40K)

With Sonnar 40mm f/2.8 HFT lens, strap, two 1.5-volt batteries and 2-year warranty ...1019.95

35RF ACCESSORIES

40mm f/2.8 Sonnar HFT Manual Focus Lens

The 40mm f/2.8 Sonnar HFT is a high-quality general purpose lens for the 35RF, ideal for indoor and outdoor use. Compact and lightweight, its initial aperture of f/2.8 gives it a wide margin for shooting in low light with excellent focusing results. Available in black or chrome. Filter size is 39mm.



40mm f/2.8 Sonnar HFT (RO4028RF35S):

40mm f/2.8 Sonnar HFT (RO4028RF35B):

Chrome549.95

Black679.95

80mm f/2.8 Planar HFT Manual Focus Lens

The 80mm f/2.8 Planar HFT lens for the 35RF rangefinder camera is a medium focal length lens ideal for portraiture, landscape details and candid shots from a certain distance. This lens design is based on the legendary medium-format lens used in the famous twin-lens Rolleiflex 2.8 Series, known for its superior field flattening. Available in black or chrome. Filter size is 43mm.

80mm f/2.8 Planar HFT (RO8028RF35S): Chrome.....1349.95

80mm f/2.8 Planar HFT (RO8028RF35B): Black1449.95



Rapid Trigger Winder

A valuable accessory for the 35RF, this winder can be skillfully operated for a film advance rate of up to 3 fps (frames per second). You can leave the winder on the camera and still change the film (RORTW35)400.00



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Adaptall-2 Interchangeable Mount System

Tamron stands apart from other lens manufacturers with its use of an interchangeable mount system instead of a fixed-mount. Fixed-mount lenses are limited to use on cameras using that specific mount system. Tamron's interchangeable Adaptall mounts mean you can use the lens on virtually any manual-focus SLR camera. In fact, Tamron offers approximately 20 different mounts useable with some 200 35mm SLRs.



Adaptall-2 Mounts are available for:

- Canon FD/FT Series
- Contax/Yashica Series
- Fujica ST Series
- Fujica AX Bayonet Series
- Konica AR Series
- Leica R4 Series
- Mamiya ZE Series
- Minolta MD/SR Series
- Nikon AI Series
- Olympus OM Series
- Pentax ES/Spotmatic Series
- Pentax K Series
- Pentax Super-A Series
- Praktica B200 Series
- Ricoh XR-P Series
- Rollei SL-35/Voigtlander VSL Series
- Universal (42mm Screw)
- Dynax/Maxxum Series
- C-mount for CCTV/VCR

24mm f/2.5 (TA2425)

This lens provides a field of view of 84° for full image framing applications. It also has an F number of f/2.5 which is approximately 25% faster than comparable f/2.8 lenses. Yet this lens is very compact with an overall length of 1.7" and diameter of 2.7" and weighs just 8oz. Filter size: 55mm.....249.95

SP 90mm f/2.8 1:1 Macro (TA9028M)

The portrait capabilities of this popular lens is further enhanced with its fast f2.8 aperture. For handling ease, the lens weighs a mere 14oz., making it ideal for taking advantage of its maximum macro magnification ratio of 1:1. Its f2.8 aperture and 9-bladed diaphragm help in producing soft out-of-focus backgrounds, while the optical design of the lens ensures sharp images from corner-to-corner. Includes hood and soft pouch. Filter size: 55mm489.00

SP 300mm f/2.8 LD (IF) (TA30028)

An ultra-high performance, fast telephoto lens that is well suited to both the fast-action world of sports photography and to shooting indoor theatrical events. The nine-blade aperture design makes a nearly circular opening for a soft blurred background-an ideal effect for portraiture. Two large LD elements incorporated in the optical design produce sharp, clear pictures with high contrast and true color fidelity from corner-to-corner. Includes a lens hood, soft case and 43mm drop-in filter holder with filter. Filter size: 112mm front; 43mm rear drop-in2649.95

SP 500mm f/8 Reflex (TA5008)

This is a catadioptric-type ("reflex") telephoto lens with two silver evaporation coated reflective mirrors. The silver evaporation coating on the rear lens surface compensates for spherical aberrations on reflective surface giving high quality images throughout the focusing range. Tele-macro is also available with a short minimum focusing distance of 67" and a maximum magnification ratio of 1:3. It includes a hood, hard case, and a 30.5mm drop-in filter holder with a UV Filter. Filter size: 82mm front; 30.5mm rear drop-in459.95



24mm f/2.5

SP 90mm f/2.8 1:1 Macro

SP 300mm f/2.8 LD (IF)

SP 500mm f/8 Reflex



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28-70mm f/3.5-4.5 (TA287035)

Extremely lightweight and compact, this zoom lens feels more like a standard fixed focal length lens yet delivers coverage from a real wide angle 28mm to a medium telephoto 70mm. In addition, the 28-70mm has a tele-macro function with a maximum magnification ratio of 1:3 at 70mm for good close-ups. The 28-70mm is made to travel since this focal length range can handle everything from group shots to scenic landscape pictures. Filter size: 52mm.....**189.95**

SP 28-105mm f/2.8 LD Aspherical (IF) (TA2810528)

This lens establishes a new benchmark as a standard lens, extending from a wide 28mm all the way to 105mm telephoto, with a fast constant 2.8 maximum aperture. The use of four large diameter aspherical elements and three LD glass elements reduces various aberrations while minimizing the fall-off of light at the corners. Tamron's Internal Focusing system and Triple-Cam zoom system combine to permit a body that at the 28mm zoom position is very compact, with excellent optical performance. Also, an Anti-Slip-Mode mechanism prevents the lens barrel from sliding outward under its own weight. Includes a lens hood and soft case. Filter size: 82mm**949.00**

28-200mm f/3.8-5.6 LD Aspherical (IF) Super (TA2820038A)

The 28-200mm is loaded with state-of-the-art features, and can be used with more than 200 different 35mm SLR cameras, old and new. Furthermore, zoom and focus ring patterns are changed to improve overall handling ease. Includes a lens hood. Filter size: 72mm.....**299.95**

60-300mm f/3.8-5.4 (TA6030038)

This powerful telephoto zoom lens goes from a medium telephoto of 60mm to an ultra-telephoto range of 300mm quickly and easily. The lens includes a macro function with a maximum magnification ratio of 1:1.5. A one-touch ring feature means focusing, zooming, and macro modes are accessible using just one control ring. Includes a lens hood and case. Filter size: 62mm**439.00**

SP 70-210mm f/3.5 (TA7021035)

Another zoom from the high quality SP series, this lens features a constant F/3.5 maximum aperture and 3x zoom ratio. Tele-macro is also available with a maximum magnification ratio of 1:2.6. The true color reproduction quality combined with the macro feature make this lens an excellent choice for flower photography or any detailed nature study. Includes a lens hood and a soft case. Filter size: 62mm**399.95**

70-210mm F/4-5.6 (TA702104)

A very compact zoom measuring just 79mm (3.1") yet zoom up to a focal length of 210mm. The lens which is highly portable and easy to use is constructed of 13 elements in 9 groups. It produces corner-to-corner sharp pictures with good contrast. A macro function is incorporated with a maximum magnification ratio 1:4. Includes hood. Filter size: 52mm**194.95**

2x Tele-Converter

This tele-converter doubles both the aperture and magnification ratio of lens, and retains the original lens minimum focus. It has a 2.6" diameter, and weighs 4.2 oz. Available for Nikon AI (TA2X4N), Olympus OM (TA2X4O), Minolta MD (TA2X4M) and Pentax/Ricoh (TA2X4P).....**68.50**



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WIDE-ANGLE, TELEPHOTO & MACRO LENSES

SP AF14mm f/2.8 Aspherical [IF]

This ultra wide angle lens features a fast F/2.8 aperture and a sophisticated optical system allowing photographers to create dynamic photographs that take full advantage of the rectangular characteristics of the lens. Two Hybrid Aspherical lens elements eliminate distortion and comatic flare associated with ultra wide angle lenses. The result is a fast focusing lens that delivers high quality images with minimal light fall off at the picture corners. The lens is also equipped with a one-touch focusing mechanism that allows the focus mode to be switched with a simple push/pull movement. The lens has a large focusing ring, built-in lens hood and gelatin filter holder at the rear element of the lens. Includes built-in lens hood and a padded case.



For Canon (TA1428ACAF)999.95 For Nikon (TA1428ANAF)999.95
 For Minolta (TA1428AMAF)999.95 For Pentax (TA1428APAF)999.95



SP AF90mm f/2.8 Di 1:1 Macro

This compact and lightweight lens boasts high resolving power and sharp image depiction with ideal background blur, making it ideal for close-up and portrait photography. A wide, smooth focusing ring makes delicate manual focusing in the macro mode easy and precise. An optical multi-coating is applied to its element surfaces to meet digital SLR performance characteristics. Includes a hoos and soft pouch. Filter size: 55mm.

For Canon (TA9028MCAF)479.95 For Nikon (TA9028MNAF)479.95
 For Minolta (TA9028MMAF)479.95 For Pentax (TA9028MPAF)479.95

AF 180mm f/3.5 Di LD [IF] 1:1 Macro

This lens employs an internal focusing system that maintains the overall length of the lens during focusing. Two Low Dispersion glass elements effectively compensate for chromatic aberration. It provides high-contrast, outstanding image quality and a soft out-of-focus background effect. An AF/MF one touch switch over mechanism is built into the focus ring (for Canon and Nikon only). An FEC (Filter Effect Control) function enhances the operational ease of polarizing filter use by rotating the filter to the desired position while the hood is attached. The lens comes complete with a tripod mount, a hood and a neoprene custom case with a carrying strap. Filter size: 72mm.



For Canon (TA18035CAF)679.95 For Nikon (TA18035NAF)679.95
 For Minolta (TA18035MAF)679.95 For Pentax (TA18035PAF)679.95

SP AF300mm f/2.8 LD [IF]



This fast telephoto delivers the exacting performance demanded by professionals. Two large LD (Low Dispersion) elements provide high contrast and crystal-clear image quality from the full open aperture. Internal Focusing (IF) lets you maintain optimum holding balance since the lens' overall length remains constant during focusing. Tamron's Floating Focusing System improves optical performance especially at close shooting distances. Nine bladed iris forms a nearly perfect circle to create excellent background blur for outdoor portraits. The ideal lens for shooting nature, sports and low light indoor performances. Conveniences include easy-to-use AF/MF focusing ring, supplied rear filter insertion frame and circular polarizer, detachable tripod mount, and a lens hood. It also includes a soft case. Filter size: 43mm rear drop-in, 112mm front.

For Canon (TA30028CAF)2999.00 For Nikon (TA30028NAF)2799.00 For Minolta (TA30028MAF)2799.00

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SP AF17-35mm F/2.8-4 Di LD Aspherical [IF]

A super wide-angle zoom lens that provides extended focal length covering and an entirely new optical system for optimal performance with digital SLR cameras. When used with CCD or CMOS image sensors the 17mm-focal length can achieve a 35mm SLR equivalent of approximately 24mm, allowing photographers to fully utilize its vast perspective and depth of field.

Ghost flare, common in backlit situations, is vastly reduced, enabling clear, high-definition photography. Image distortion, aspherical aberrations and other aberrations are corrected and eliminated through the use of a compound aspherical element. Moreover, color aberrations characteristic of wide-angle lenses have been diminished through the use of an LD element. Includes a lens hood. Filter Size is 77mm.

For Canon (TA173528CAF)469.95 For Nikon (TA173528NAF)469.95
For Minolta (TA173528MAF)469.95 For Pentax (TA173528PAF)469.95

AF19-35mm f/3.5-4.5

An affordable super wide-angle zoom ideal for travel, landscape, group portrait, adventure photography and more. Offering an authentic super wide-angle range with an angle of view of 97°- 63° and a close M.O.D. of 19.68", this 19-35mm provides dramatic and fun image making. The lens is easy to carry anywhere as it weighs just 10.5 ounces and is only 2.66" long. It also features a fixed front element group and filter mount, facilitating the use of polarizing filters. It includes a hood. Filter size is 77mm.

For Canon (TA193535CAF)219.95 For Nikon (TA193535NAF)219.95
For Minolta (TA193535MAF)219.95



SP AF24-135mm f/3.5-5.6 AD Aspherical [IF]

Versatile and flexible, this high power zoom lens takes you from 24mm wide angle to 135mm telephoto. It incorporates an AD (Anomalous Dispersion) glass element with four hybrid aspherical elements to achieve sharp, crisp resolution and brilliant, vivid color reproduction. Internal Focusing (IF) makes the lens more compact and allows the use of a polarizing filter. The lens also features a high 1:3.3 macro magnification ratio at 135mm, making it possible to fill the frame with a subject no larger than a postcard. It includes a lens hood and a case. Filter size: 72mm.

For Canon (TA2413535CAF)369.95 For Nikon (TA2413535NAF)369.95
For Minolta (TA2413535MAF)369.95 For Pentax (TA2413535PAF)369.95

SP AF28-75mm f/2.8 XR Di LD Aspherical [IF] Macro

The world's lightest and most compact fast standard zoom lens, the SP AF28-75mm Macro utilizes XR size reduction technology to achieve the lens' compact size—maximum diameter of 2.9", 3.6" long and only 17.9 oz. In addition, with the Digitally Integrated Design, it provides optimum performance when used with the latest digital SLR cameras. The use of Extra Refractive Index glass enables reduction in size while at the same time compensating for aberrations. Three LD (Low Dispersion) elements ensure superb image quality. It incorporates a convenient zoom lock mechanism that keeps the lens retracted when being carried on a camera, helping to prevent the lens from accidentally being knocked or bumped when walking through crowds. Supplied flower-shaped hood with excellent stray-light shielding properties. 67mm filter size.

For Canon (TA287528CAF)369.95 For Nikon (TA287528NAF)369.95
For Minolta (TA287528MAF)369.95 For Pentax (TA287528PAF)369.95



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HIGH PERFORMANCE ZOOM LENSES

SP AF28-105mm f/2.8 LD Aspherical [IF]

This lens features a fast f/2.8 aperture even at 105mm, so you can shoot fantastic portraits with better background blur. The use of four large diameter aspherical elements and three LD (Low Dispersion) glass elements reduces various aberrations while minimizing the fall-off of light at the corners. IF (Internal Focusing) and Triple-Cam zoom system contribute to the lens' extreme compactness and excellent optical performance. Since the front lens group doesn't rotate, you can use polarizing filters or the supplied lens hood. An Anti-Slip-Mode mechanism prevents the lens barrel from slipping downward. Includes a lens hood and soft case. Filter size: 82mm.

For Canon (TA2810528CAF)769.95 For Nikon (TA2810528NAF)769.95 For Minolta (TA2810528MAF) ..769.95



AF28-200mm f/3.8-5.6 XR Aspherical [IF] Macro

Incorporating revolutionary optics, the AF 28-200mm achieves superior image quality and compactness in the same zoom lens. XR Glass bends light more than normal or lower refractive index glasses, which makes the length of the whole optical system shorter. In addition, optical power is enhanced with three aspherical lenses, each which do the job of several lenses combined, to reduce and eliminate aberration in the shortened optical configuration. Key to the perfection of the lens was development of the 'moving triple cam' – the mechanism that helps the lens achieve rock-solid stability during the radical barrel movement between the retracted 28mm position to the extended 200mm position. This remarkable mechanism transforms the conventional fixed triple cam into a moving unit that slides in conjunction with zooming action. Includes a lens hood. Filter size: 62mm.

For Canon (TA2820038CAF)269.95 For Nikon (TA2820038NAF)269.95
 For Minolta (TA2820038MAF)269.95 For Pentax (TA2820038PAF)269.95

AF28-300mm f/3.5-6.3 XR Di LD Aspherical [IF] Macro

A quantum leap in design, technology and manufacturing, the AF28-300mm is built with an optical system that incorporates three Hybrid Aspherical elements and two high-grade LD (Low Dispersion) glass elements. Together they provide never-before-possible sharpness, contrast and color depth, while eliminating chromatic aberrations inherent to a high-power zoom lens of this magnitude. These state-of-the-art optics are housed in a sophisticated "Quad-Cam Zoom Mechanism" which enables four lens barrels to be extended and retracted effortlessly - achieving compactness at 28mm, while holding precise extension at 300mm. It features an Internal Focusing (IF) system, minimizing illumination loss at image corners, and suppressing aberrations that are caused by focusing positions. Includes a lens hood. Filter size: 62mm.

For Canon (TA2830035XDC)399.00 For Nikon (TA2830035XDN)399.00
 For Minolta (TA2830035XDM)399.00 For Pentax (TA2830035XDP)399.00



AF70-300mm f/4.0-5.6 LD Macro

This is the definitive lightweight, compact telephoto macro zoom with a maximum magnification ratio of 1:2 at the 300mm setting — ideal for shooting subjects that are difficult to approach such as sporting and theatrical events. The lens also has the ability to provide beautifully blurred backgrounds and to highlight the main subject in protraiture, or "compression effects" that make the most of the telephoto lens. Switch to macro mode, and subjects as close as 37" can be shot within the focal range of 180-300mm, for true macro photography. It includes a lens hood. 62mm filter size.

For Canon (TA703004MCAF)149.95 For Nikon (TA703004MNAF)149.95
 For Minolta (TA703004MMAF)149.95 For Pentax (TA703004MPAF)149.95



EQUIPMENT LEASING AVAILABLE

TAMRON

AUTOFOCUS LENSES

HIGH PERFORMANCE ZOOM LENSES

SP AF200-500mm f/5-6.3 Di LD [IF

Bring your far away subjects up close while compressing the distance between the main subject and the background for professional-looking results. Even though this lens covers a range up to 500mm, its design is relatively lightweight and compact. The optical design of this lens enables you to get as close as 8.2' from your main subject at any focal length, and provides a maximum magnification ratio of 1:5 at the 500mm end, allowing for dynamic and impressive pictures of small objects.

This lens sports the detachable Filter Effect Control ring which allows a filter to be rotated to the desired position with the hood still attached. This enables you to simultaneously perform minute adjustments to a polarizer filter. You can confirm the Polarizing effect through the viewfinder, all while using the hood to prevent harmful light from entering the lens. The Di designation means that this lens features an optical system that is designed to meet the performance characteristics of digital SLR cameras. This lens includes a lens hood, detachable filter effect control and a soft lens case with a strap. Filter size: 86mm.



For Canon (TA20050056C)879.00 For Nikon (TA20050056N).....879.00 For Minolta (TA20050056M) ..879.00

CAMERAS & LENSES

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AF TeleConverters	1.4X	2X	1.4X SP	2X SP
Lens Construction (Groups/Elements)	4 groups 4 elements	4 groups 4 elements	4 groups 5 elements	4 groups 7 elements
Maximum Magnification	1.4X the mag ratio of original lens	2X the mag ratio of original lens	Approx. 2 times = 1 diaphragm	Approx. 4 times = 2 diaphragm
Length	0.7"	1"	19.4mm	43.5mm
Available Mounts	Canon, Minolta, Nikon, Pentax	Canon, Minolta, Nikon, Pentax	Canon, Minolta, Nikon	Canon, Minolta, Nikon
Price	79.95	144.95	174.95	194.95

AF Lenses	Groups/Elements	Angle of View	Minimum Focusing Distance	Filter Size	Dimensions	Weight
SP AF14mm f/2.8 IF	12/14	114°	7.9"	—	3.4 x 3.4"	23.8 oz.
SP AF90mm f/2.8 Di Macro	9/10	27°	11.4"	55mm	2.8 x 3.8"	14.3 oz.
AF 180mm f/3.5 Di 1:1 Macro	11/14	14°	18.5"	72mm	3.3 x 6.5"	32.5 oz.
SP AF300mm f/2.8 LD IF	7/10	8°	98.4"	43mm	4.7 x 8.4"	80 oz.
SP AF17-35mm f/2.8-4 Di LD Aspherical	11/14	104° - 63°	11.8"	77mm	3.41 x 3.28"	15.5 oz.
AF19-35mm f/3.5-4.5	13/11	97° - 63°	1.6'	77mm	2.7 x 3.2"	9.6 oz.
SP AF24-135mm f/3.5-5.6 IF	10/14	84° - 18°	15.7"	72mm	3.1 x 3.2"	18.7 oz.
SP AF28-75mm f/2.8 XR Di LD Macro	14/16	75° - 32°	13"	67mm	2.9 x 3.6"	18 oz.
SP AF28-105mm f/2.8 LD IF	13/15	75° - 24°	19.3"	82mm	3.4 x 4.4"	1.93 lb.
SP AF28-200mm f/3.8-5.6 XR IF	10/14	75° - 12°	19.3"	62mm	2.8 x 3"	12.5 oz.
AF28-300mm f/3.5-5.6 XR IF Di	13/15	75° - 8°	19.3"	62mm	2.9 x 3.3"	14.8 oz.
AF70-300mm f/4.0-5.6 LD Macro	13/9	34° - 8°	4.9' (3.1' in macro mode)	62mm	3 x 4.6"	15.3 oz.
SP AF200-500mm f/5-6.3 Di LD IF	10/13	12° - 5°	98.4"	62mm	3.7 x 8.9"	43.6 oz.

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TOKINA

MANUAL FOCUS LENSES

WIDE ANGLE & TELEPHOTO ZOOM LENSES

MF 28-70mm f/3.9-4.8 II

This compact lightweight lens is designed for use with manual focus camera bodies. It is perfect for beginning photographers, photo students who are required to use manual focus equipment, and photographers looking for a lighter, smaller alternative to older bulky lenses. The optics are made from glass provided by Hoya Corporation, the worlds largest optical glass manufacturer, and have multi-coating applied to the elements to reduce or eliminate reflections that can cause image degrading flare and ghosting. The lens has an excellent close focusing ability of just 13.4" that yields a macro ratio of 1:4.

For Canon FD (TO287039C)124.95 For Nikon AI (TO287039N)124.95
For Minolta MD (TO287039M)124.95 For Pentax PK (TO287039N)124.95

MF 28-105mm f/3.5-4.8

This all-purpose lens will provide the avid shooter with a convenient, compact 28-105mm wide-angle to moderate telephoto focal range in a lightweight package. It's "two touch" rotary zoom design and all metal lens barrels give this lens excellent handling and durability at an affordable price. It also offers a 1:5 macro ratio for interesting close-ups. The creative capabilities are only limited by your imagination.

For Canon FD (TO2810535CQ)189.95 For Pentax PK (TO2810535PQ)189.95
For Minolta MD (TO2810535MQ)189.95 For Yashica Contax (TO2810535CYQ) ..189.95
For Nikon AI (TO2810535N)189.95 For Olympus (TO2810535OQ).....189.95



MF 28-200mm f/3.5-4.3

With a zoom ratio of over 7:1, this remarkable manual focus lens covers all focal lengths required for virtually any situation. It is less than 4.3" long and weighs only 24.3 oz. Photographic applications range from landscapes and portraits to sports. Made from traditional all metal barrels and all glass optics, this lens will provide years of dedicated service.

For Canon FD (TO2820035C)219.95 For Pentax PK (TO2820035P)219.95
For Minolta MD (TO2820035M).....219.95 For Yashica Contax (TO2820035CY)....219.95
For Nikon AI (TO2820035N).....219.95 For Olympus (TO2820035O)219.95

MF 60-300mm f/4-5.6

A useful 5x manual focus zoom that covers the entire range from 60mm standard to 300mm telephoto. This lens can easily handle many aspects of photography. The "one touch" zoom/focus operation gives it excellent handling and range of magnifications in a compact body.

For Canon FD (TO603004C)179.95 For Pentax PK (TO603004P)179.95
For Minolta MD (TO603004M)179.95 For Nikon AI (TO603004N)179.95

MF 70-210mm f/4.5-5.6

Barely 3.43" long and 15 oz. in weight, this is one of the world's smallest telephoto zoom lenses. It's one-touch system holds focus throughout the zoom, it's size is perfect for fast moving hand-held photography, and it's range makes it suitable for a wide range of applications.

For Canon FD (TO7021045C)124.95 For Nikon AI (TO7021045N).....124.95
For Minolta MD (TO7021045M).....124.95 For Pentax PK (TO7021045P)124.95



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TOKINA

AUTOFOCUS LENSES

AT-X (Advanced Technology-Xtra) signifies a special group of lenses that are manufactured without compromise. Combining advanced design and fabrication technology with a unique optical configuration system developed by Tokina, has made advanced features, high performance, light weight and compact designs possible. Tokina's proprietary AT-X lens technology has evolved toward optical perfection for nearly 20 years. They have made continuous improvements and each new model is a further refinement of previous designs and materials. The current PRO series, recognizable by their distinctive Gold rings, continues this evolution.



CAMERAS & LENSES

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The Tokina Difference:

Mechanisms:

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

Exterior Finish:

- PRO models have a hardened Armalite finish to increase durability and give a top-quality feel and finish

- Ergonomic designs emphasize control, grip and ease of operation with textured rubber used on zoom and focus barrels.

Operation:

- Use of special alloy Duralumin for metal parts provides excellent durability, stabilizes torque and provides better handling. It also maintains smoother operation under all conditions.
- A special lubricant formulated to perform even under extreme temperatures, is used on moving parts
- Unique lens coating makes the lenses resistant to flare and ghosting, and helps them achieve faithful color reproduction

AT-X PRO FIXED FOCAL LENGTH LENSES



AF 17mm f/3.5 AT-X Pro

This super wide angle lens features Tokina's exclusive "Focus Clutch Mechanism" for faster, smoother auto focus as well as smooth manual focus. It also features a floating element auto focus system for high resolution and contrast, an all glass aspherical lens element, and all aluminum lens barrels with a chrome-plated, brass mount plate. The lens elements are made of higher quality HLD (high refraction, low dispersion) glass to provide even illumination across the whole film plane and prevent light fall-off. Filter size is 77mm.

For Canon (TO1735PCAF)389.95 For Nikon (TO1735PNAF)389.95
 For Minolta (TO1735PMAF)389.95

AF 300mm f/2.8 AT-X Pro IRF

Features the exclusive "Focus Clutch Mechanism" for auto and manual focusing that is much faster and smoother than other lenses. As with all Tokina AT-X AF lenses, this lens is constructed using all aluminum lens barrels and a chrome-plated, brass mount plate. The first lens group is made from two elements of high quality SD (Super Low Dispersion) glass to minimize chromatic aberration. The patented Internal Rear Focus (IRF) system moves smaller lens groups within the lens barrel, which is useful for long telephoto lens designs. The IRF system also allows faster auto focusing and a more compact lens design.

For Canon (TO30028PCAF)2299.95 For Nikon (TO30028PNAF)2299.95
 For Minolta (TO30028PMAF)2299.95



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TOKINA

AUTOFOCUS LENSES

AT-X PRO ZOOM LENSES

AF 20-35mm f/2.8 AT-X Pro IF

Just look through the viewfinder and see the world in a dramatic new perspective. An ultra wide-angle zoom, the AF 20-35mm produces edge-to-edge razor-sharp images, while the fast f/2.8 aperture makes picture taking indoors or at dusk—effortless. Additional features include two (the front and rear) molded multi-coated aspherical elements, and the exclusive “Focus Clutch Mechanism”. In addition, IF (Internal Focus) means filter threads don’t move during focusing. The advantage is when a special effects filter is used, it isn’t necessary to readjust the position of the filter every time the focus is changed. Like all Tokina AT-X AF lenses the AF 20-35mm f/2.8 AT-X Pro is constructed using an all aluminum lens barrel and a chrome-plated brass mount plate. Lens elements are made of high-quality HLD (high refraction, low dispersion) glass for high resolution and contrast. Filter size is 77mm.



For Canon (TO203528CAF)	479.95	For Nikon (TO203528NAF)	479.95
For Minolta (TO203528MAF)	479.95	For Pentax (TO203528PAF)	479.95

AF 28-70mm f/2.8 AT-X Pro SV

This lens provides a constant wide f/2.8 aperture for excellent low light photography at any focal length in the zoom range. The wide aperture allows more light through to the camera for taking pictures in difficult lighting situations, or for use of faster shutter speeds to either reduce vibrations or capture fast action. Also, constant aperture lenses make manual strobe calculations easier. With the increased use of non-corrosive materials this lens will give you years of use. Filter size is 77mm.

For Canon (TO287028ACA)	249.95
For Nikon (TO287028AND)	249.95
For Minolta (TO287028AMA)	249.95
For Pentax (TO287028APE)	249.95



AF 28-80mm f/2.8 AT-X Pro

Constructed of the highest-quality optical glass, this lens uses two aspherical lens elements and one SD (super low dispersion) glass element to insure critical sharpness across the film plane. In addition to outstanding optical quality, it offers conveniences such as a window showing a distance scale. This makes it possible to tell the focusing distance, regardless of the actual setting of the focus mode. Redesigned Focus Clutch Mechanism allows the focus ring to be snapped back to the manual focus position at anytime. This means you don’t have to change the AF/MF switch every time the lens is switched from auto to manual focus. Filter size is 77mm.

For Canon (TO288028CAF)	519.00
For Nikon (TO288028NAF)	519.00
For Minolta (TO288028MAF)	519.00
For Pentax (TO288028PAF)	519.00

AF 80-200mm f/2.8 AT-X Pro

Built to professional specifications, the AF 80-200mm f/2.8 provides uniformly high image quality from infinity to close focus using a unique floating element system that separately focuses the first three and last two elements in the forward lens groups. It also uses SD (Super-Low Dispersion) glass to minimize chromatic aberration. Tokina’s exclusive “Focus Clutch Mechanism” assures top performance during auto and manual focusing, while a new exterior finish improves overall handling and durability. Filter size is 77mm.



For Canon (TO8020028PCA)	609.95	For Nikon (TO8020028PNA)	609.95
For Minolta (TO8020028PMA)	609.95	For Pentax (TO8020028PPA)	609.95

TOKINA

AUTOFOCUS LENSES

AT-X ZOOM LENSES

AF 19-35mm f/3.5-4.5

One of Tokina's most popular lenses, the AF19-35mm f/3.5-4.5 uses high refraction, low dispersion (HLD) glass and multi-coated lens elements for outstanding performance in a value-priced lens. It offers easy handling, since it is compact and there is no change in overall length when zooming. Special filters can also easily be used because the front filter thread doesn't rotate. Lens barrel is made from black polycarbonate to reduce overall weight, making it convenient to carry. Filter size is 77mm.

For Canon (TO193535CAFQ).....169.95 **For Nikon (TO193535NAFQ).....169.95**
For Minolta (TO193535MAFQ).....169.95 **For Pentax (TO193535PAF).....169.95**



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AF 24-200mm f/3.5-5.6 ATX IF

The ultimate traveling lens, the AF 24-200mm is currently the widest zoom range available. It is constructed using a chrome plated brass mount plate and a combination of aluminum and composite lens barrels to reduce weight while maintaining strength and durability. Optically, the lens uses two Aspherical lens elements and one SD (Super Low Dispersion) glass element to ensure sharpness across the film plane. Internal Focusing (IF) mechanism gives this lens fast auto focus and means the filter threads don't move during focusing. This allows special effects filter such as a circular polarizer to be used. Focus distance is indicated on the manual focus ring. Like the rest of the lenses in the AT-X series, the AF 24-200mm is a parafoveal lens, meaning, when focus is achieved at a telephoto focal length, you can zoom back to wide angle and maintain focus. Filter size is 72mm.

For Canon (TO2420035CAF).....299.95 **For Nikon (TO2420035NAF).....299.95**
For Minolta (TO2420035MAF).....299.95 **For Pentax (TO2420035PAF).....299.95**

AF 80-400mm f/4.5-5.6 ATX II

A complete range of lenses in one! The AF 80-400mm has an incredibly compact design for its enormous zoom focal length range and is ideal for those who don't want to lug around huge zoom lenses—but still want the flexibility to take long range sport or nature shots. Specialized features for this lens include a supplied tripod clamp that is rotatable for landscape or portrait shots, and a zoom lock. By locking the zoom at its shortest (80mm) setting, the lens can be carried comfortably suspended at the camera. SD (Super Low Dispersion) glass reduces chromatic aberration for high contrast shots of maximum definition with any color fringe. High quality is also achieved with the bayonet hood and internal "flare cutter". Filter size is 72mm.

For Canon (TO8040045TCC).....489.95 **For Nikon (TO8040045TCN).....489.95**
For Minolta (TO8040045TCM).....489.95 **For Pentax (TO8040045TCP).....489.95**



AF LENS SPECIFICATIONS

	17mm	300mm	20-35mm	28-70mm	28-80mm	80-200mm	19-35mm	24-200mm	80-400mm
Minimum Focusing	.82'	7.9'	1.64'	1.65'	1.6'	5.9'	1.3'	2.9'	2.5m
Focusing System	Internal	Internal (rear)	Internal	Internal	Internal	Internal	Internal	Internal	Rotary
Filter Size	77mm	112/35.5mm	77mm	77mm	77mm	77mm	77mm	72mm	72mm
Supplied Lens Hood	BH-773	MH-112N	BH-773	BH-776	BH-775	MH-774N	BH-774	BH-723	BH721
Supplied Case	Soft Case	Hard Case	Soft Case	Soft Case	Soft Case	Hard Case	—	Soft Case	Soft Case

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VIVITAR

V3800N

SLR CAMERAS

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35mm Manual Focusing SLR Camera

An inexpensive all-manual SLR built on a Pentax K-mount chassis known for reliability, the V3800N includes a self-timer, a depth-of-field preview and the ability to shoot multiple exposures on a single frame. The venerable K-mount assures that a ready supply of sharp, reasonably priced lenses (both new and used) is available for the camera. Powered via two 1.5v alkaline or silver batteries, the shutter is operable without battery power at all speeds up to 1/2000 of a second.



FEATURES

- ◆ Easy to use manual SLR camera ideal for the first-time SLR user
- ◆ Depth of field preview
- ◆ Multiple exposure capability
- ◆ Bright viewfinder with split image focusing and three-LED display
- ◆ Hot shoe with x-contact for flash photography, synchronized at 1/125 second or slower
- ◆ Film speed range: ISO 25 to 3200
- ◆ Accurate center-weighted, TTL metering system
- ◆ Self timer with 10 second delay
- ◆ Takes regular mechanical cable release
- ◆ Only available in kits which include a 50 mm f/1.7 lens or 28-70mm f/3.4-4.8, a camera case, and with or without the Vivitar 2000 Auto Flash

V3800N Camera Kit (VIV3800N5017)
Includes V3800N camera, 50mm f/1.7 lens and camera case**139.95**

V3800N Camera Kit (VIV38005017K)
Includes V3800N camera, 50mm f/1.7 lens, camera case and 2000 Auto Flash**149.95**

V3800N Camera Kit (VIV3800N2870)
Includes V3800N camera, 28-70mm f/3.4-4.8 lens and camera case **159.95**

V3800N Camera Kit (VIV38002870K)
Includes V3800N camera, 28-70mm f/3.4-4.8 lens, camera case and 2000 Auto Flash...**169.95**

Lens Mount: "K" Type Bayonet

Exposure & Focus Modes: Manual

Exposure Metering: Centerweighted LED

Metering Range: EV 2-19 @ ISO 100 with f/1.7 lens)

Shutter Speed: 1/2000 to 1 Second + bulb with flash sync at 1/125 of a second

ISO Range: 25-3200 (manually set)

Film Wind: Manual

Focusing Screen: Fixed matte with horizontal split image

PC Terminal: Yes

Depth-of-Field Preview: Yes

Multiple Exposure: Yes

Power Source: Two 1.5v LR44/SR44 alkaline or lithium batteries

Dimensions: 5.3 x 2.3 x 2.0" (WxHxD)

Weight: 0.98 lb

FIXED FOCAL LENS



100mm f/3.5-5.6
Macro Manual Lens

100mm f/3.5-5.6
Macro AF Lens

100mm f/3.5 Macro AF and Manual Focus Lenses

With an aperture range of f/3.5-22, a macro ratio of 1:1 and a minimum focusing distance of 1.4', this lens is designed for high detail macro photography. It's also flexible enough to be good for portrait photography and is available in all popular SLR camera mounts. Superior optical performance is ensured with 5 elements in 4 groups, and with multi-coated optics to reduce flare and increase light transmission. Filter size is 49mm.

MANUAL LENSES

For Canon FD (V110035MC)**119.95**

For Nikon AI (V110035MN).....**119.95**

For Olympus (V110035MO)**119.95**

For Pentax PK (V110035MP)**119.95**

For Contax/Yashica (V110035MCY) ..**119.95**

AF LENSES

For Canon EOS (V110035MCAF).....**149.95**

For Nikon AF (V110035MNAF)**139.95**

For Minolta Maxxum (V110035MMAF) ..**139.95**

For Pentax AF (V110035MPAF).....**139.95**



VIVITAR

T-MOUNT LENSES

500mm f/8 Manual Focus Mirror Reflex Lens

Ideal for sports and nature photography, the economical and compact 500mm f/8 features a 30.5mm rear filter system and is available with a wide selection of Vivitar T-mount lens adapters. Minimum focusing distance is 5.5'.

For Canon FD (VI5008C)	109.95	For Minolta MD (VI5008M).....	109.95
For Canon EOS (VI5008CAF).....	109.95	For Nikon (VI5008NAF).....	109.95
For Contax/Yashica (VI5008CY).....	109.95	For Olympus (VI5008O).....	109.95
For Konica (VI5008K).....	109.95	For Pentax PK (VI5008P).....	109.95
For Minolta Maxxum (VI5008MAF).....	109.95	For Universal Screw Mount (VI5008PU).....	109.95
Without T-mount (required) (VI5008).....	99.95		



600-1000mm f/9.9-16 Super Telephoto

AF and Manual Focus Zoom Lens with 2x Teleconverter



Ideal for long range wildlife and sports photography, this T-mount lens offers smooth one-touch zoom control and is multi-coated for reduced flare and increased light transmission. But it doesn't stop there. It also includes a 2x converter—transforming the lens into an incredible 1200 -2000mm super telephoto zoom lens. (Minimum focus without the 2x is 13'.) T-mount adapter included.

For Canon FD (VI6001000C)	299.95	For Konica (VI6001000K)	299.95	For Nikon (VI6001000N)	299.95
For Canon EOS (VI6001000CAF).....	299.95	For Minolta Maxxum (VI6001000MAF).....	299.95	For Olympus (VI6001000O).....	299.95
For Contax/Yashica (VI6001000CY).....	299.95	For Minolta MD (VI6001000M).....	299.95	For Pentax PK (VI6001000P).....	299.95
For Universal Screw Mount (VI6001000PU).....	299.95				

SLR CAMERAS

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ZOOM LENSES

19-35mm f/3.5-4.5 Series 1 Ultra Wide-Angle AF and Manual Focus Zoom Lens

With an aperture range of f/3.5-22 and a minimum focusing distance of 1.6', this compact and lightweight lens is the perfect wide angle partner to any SLR camera. Available in all popular SLR camera mounts. Filter size is 77mm.

MANUAL LENSES

For Canon FD (VII93535C).....	139.95	For Minolta MD (VII93535M).....	139.95
For Contax/Yashica (VII93535CY).....	139.95	For Pentax PK (VII93535P).....	139.95
For Nikon AI (VII93535N)	139.95	For Olympus (VII93535O).....	139.95

AF LENSES

For Canon EOS (VII93535CAF).....	179.95	For Minolta Maxxum (VII93535MAF) ...	159.95
For Nikon AF (VII93535NAF)	159.95	For Pentax AF (VII93535PAF)	159.95

28-80mm f/3.5-5.6

Manual Focus Wide-Angle Zoom Lens

This manual focus zoom lens, with an aperture range of f/3.5-22 and a minimum focusing distance of 2.8', is ideal for wide angle closeups. It has enough zoom range for moderate portraiture, and is available in many popular camera mounts. Filter size is 58mm.

For Canon FD (VII288035C).....	99.95	For Nikon AI (VII288035N)	99.95
For Contax/Yashica (VII288035CY).....	99.95	For Minolta MD (VII288035M)	99.95
For Pentax PK (VII288035P).....	99.95		



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VIVITAR

ZOOM LENSES

28-210mm f/3.5-5.6 High Performance Manual Focus Wide-Angle Zoom Lens

With an aperture range of f/3.5-22 and a macro ratio of 1:4, this lens is an ideal addition to any photographer's bag of tricks. The 7x zoom provides versatile performance. Filter size is 72mm.

For Canon FD (VI2821035C).....	139.95	For Olympus (VI2821035O)	139.95
For Nikon AI (VI2821035N)	139.95	For Contax/Yashica (VI2821035CY).....	139.95
For Minolta MD (VI2821035M).....	139.95	For Pentax PK (VI2821035P)	139.95

28-210mm f/4.2-6.5 Series 1 Autofocus Wide-Angle Zoom Lens

With an aperture range of f/4.2-22 and a macro ratio of 1:6, this lens is a great addition for any photographer. The 7x zoom provides versatile performance. Minimum focusing distance is 1.6'. Filter size is 67mm.

For Canon EOS (VI2821042CAF)	189.95	For Minolta Maxxum (VI2821042MAF)	179.95
For Nikon AF (VI2821042NAF).....	179.95	For Pentax AF (VI2821042PAF)	179.95

28-300mm f/4.0-6.3 Series 1 Autofocus Wide-Angle Zoom Lens

This lens offers the widest zoom range available (over 10x) today in a single autofocus lens. Compact and lightweight, it is ideal for the traveler who wants to carry one lens and still cover virtually every photographic situation with ease. Minimum focusing distance is 1.6'. Filter size is 67mm.

For Canon EOS (VI283004CAF).....	209.95	For Nikon AF (VI283004NAF).....	199.95
For Minolta Maxxum (VI283004MAF).....	199.95		



70-210mm f/4.5-5.6 AF & Manual Focus Telephoto Zoom

An exceptionally compact and lightweight telephoto zoom lens with macro focusing as close as 1:4x. It delivers superior optical performance with 12 elements in 8 groups, has a one-touch focus and zoom control, and is multicoated for reduced flare and increased light transmission. It is ideal for sports and wildlife photography. Filter size is 52mm.

For Canon EOS (VI7021045CAF)	119.95	For Nikon AI (VI7021045N)	99.95
For Nikon AF (VI7021045NAF)	99.95	For Minolta MD (VI7021045M)	99.95
For Minolta Maxxum (VI7021045MAF)	99.95	For Pentax K (VI7021045P)	99.95
For Canon FD (VI7021045C)	99.95		

100-300mm f/5.6-6.7 AF & Manual Focus Telephoto Zoom

An affordable telephoto zoom ideal for sports and wildlife photography, the 100-300mm is also exceptionally compact and lightweight for a zoom with this reach. Multicoated for reduced flare and increased light transmission, it features one-touch focus and zoom control, and macro focusing as close as 1:4x and fast f/5.6 aperture. Filter size is 52mm.

For Canon EOS (VI10030056CA)	124.95	For Canon FD (VI10030056CM)	109.95
For Nikon AF (VI10030056NA)	114.95	For Nikon AI (VI10030056NM)	109.95
For Min. Maxxum (VI10030056MA)	114.95	For Minolta MD (VI10030056MM).....	109.95
For Pentax AF (VI10030056PA)	114.95	For Pentax K (VI10030056PM)	109.95



VIVITAR

ZOOM LENSES

100-400mm f4.5-6.7 AF Telephoto Zoom Lens

With a maximum magnification of 8x, this lens allows you to capture distant subjects with ease. A must for the long range shooter, the 100-400mm lens allows you to capture distant subjects with ease. Available in all popular SLR camera mounts, it offers precision auto focus performing at longer focal lengths and smooth one-touch zoom control. Minimum focusing distance is 6.5'.

- For Canon EOS (VI10040045CA)229.95
- For Nikon AF (VI10040045NA)209.95
- For Minolta Maxxum (VI10040045MA)209.95
- For Pentax AF (VI10040045PA)229.95

Manual Extension Tube Set

Full automatic diaphragm and meter coupling operation. Set includes 12mm, 20mm and 36mm extenders. Extenders use internal baffles to eliminate stray light.

- For Canon FD (VIETSC)94.95
- For Minolta MD (VIETSM)94.95
- For Nikon AI (VIETSN)94.95
- For Pentax K (VIETSP)94.95



100-400mm
f/4.5-6.7
AF
Telephoto
Zoom Lens

Manual
Extension
Tubes

2x Teleconverter

2x magnification, 4 elements, multi-coated lens. Includes case and protective lens cap.

- For Canon EOS (VI2XCAF)89.95
- For Contax/Yashica (VI2XCY)49.95
- For Minolta Maxxum (VI2XMAF)89.95
- For Minolta MD (VI2XM)49.95
- For Nikon AF (VI2XNAF)89.95
- For Pentax/Ricoh (VI2XP)49.95



Series 1 2x Teleconverter

2x magnification, 7 elements, multi-coated lens. Includes case and protective cap.

- For Canon EOS (VI2XCAFQ)119.95
- For Minolta Maxxum (VI2XMAFQ)119.95
- For Nikon AF (VI2XNAFQ)119.95

CAMERAS & LENSES

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	Minimum Focus Distance	Magnification	Angle of View	Length	Weight	Filter Size
100mm f/3.5 Macro Manual	1.4'	1:2 (1:1 with life-size attachment)	25°	2.6"	0.57 lb.	49mm
100mm f/3.5 Macro AF	1.4'	1:2 (1:1 with life-size attachment)	24°	2.7"	9.5 oz.	49mm
500mm f/8	5'	1:2.7	5°	3.4"	.79 lb.	30.5mm rear
19-35mm f/3.5-4.5	1.6'	1:6.8	97 to 63°	2.8"	0.69 lb.	77mm
28-80mm f/3.5-5.6	2.8'	1:4	75 to 30°	2.9"	0.64 lb.	58mm
28-210mm f/3.5-5.6	8.2' (3.6' in macro mode)	1:4	75 to 11°	4.4"	1.18 lb.	72mm
28-210mm f/4.2-6.5 Series 1	1.7'	1:6.8	75 to 11°	3.9"	0.87 lb.	67mm
28-300mm f/4.0-6.3 Series 1	6.2'	1:5.5	75 to 8°	4.8"	1.25 lb.	77mm
70-210mm f/4.5-5.6 Manual	3.8'	1:4	34 - 12°	3.4"	15.9 oz.	52mm
70-210mm f/4.5-5.6 AF	4.4'	1:5	34.3 - 11.8°	4"	14.6 oz.	55mm
100-300mm f/5.6-6.7 Manual	4.9'	1:4	24 to 8°	5.3"	1.1 lb.	52mm
100-300mm f/5.6-6.7 AF	4.9'	1:4	24 to 8°	5.5"	1.1 lb.	55mm
100-400mm f/4.5-6.7	6.5'	1:4	24 to 6.4°	6.3"	25.9 oz.	67mm
600-1000mm f/9.9-16	14.4'	N/A	4.1-2.5°	12.6" at its smallest size	1.85 lb.	72mm (77mm on lens hood)

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VOIGTLANDER

BESSA R

CAMERAS & LENSES

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Manual Focus 35mm Rangefinder Camera

The Bessa R is composed of an all aluminum die-cast metal casing with a streamlined body that fits comfortably into the palm of your hand. It is extremely durable with excellent corrosion resistance. The combination rangefinder/viewfinder has framelines for 35, 50, 75 and 90mm lenses-and makes a good approximation of a 28mm lens by using the whole viewfinder. The overall brightness and clarity of the split image is nearly equal the Leica M6, and actually brighter than a Leica M2 or M3. It is also parallax corrected.



- ◆ Incorporates a Leica 39mm screw lens mount, so it can accept lenses from Leica, Canon, Contax, Voigtlander and others
- ◆ Changing of focal lengths is done manually and the double mechanical shutter is quiet, reliable and won't be damaged by the sun.
- ◆ Manual focus and exposure modes
- ◆ TTL centerweighted light metering (range is EV 1-19 @ ISO 100 with 50mm f/1.5 lens)
- ◆ 1 to 1/2000 shutter speed + bulb, with flash sync at 1/125 second
- ◆ Clear LED exposure scale with red for under/overexposure and green for correct exposure
- ◆ Exceptionally bright viewfinder with split image rangefinder patch and brightlines for 35, 50, 75 & 90mm lenses
- ◆ ISO range is ISO 25-3200 (manually set)
- ◆ Manual film transport using superb and unobtrusive rewind knob
- ◆ 10-second self-timer
- ◆ Hot flash shoe and PC terminal
- ◆ Accepts diopters for the Nikon FM10
- ◆ Accepts standard mechanical cable release
- ◆ Powered by two 1.5v LR44 alkaline batteries
- ◆ Measures 5.3 x 3.1 x 1.3" (WxHxD); it weighs 0.87 lb.

Bessar R Silver Body (VOBRS)299.95

Bessar R Black Body (VOBRB)299.95

Case for Bessa-R Standard (VOCBR)39.95

Case for Bessa-R Snout (VOCBRS).....34.95

BESSA R2A/BESSA R3A

Manual Focus 35mm Rangefinder Cameras



A great alternative to the Leica M, Konica Hexar RF and Contax G-Series cameras, the Bessa R2A and R3A use Leica's M mount, plus they offer automatic aperture-priority exposure (metered manual exposure is also possible), Trigger Winder capability, and comfortable ratcheted film advance. Compatible with most standard Leica M bayonet lenses or screw mount lenses with an adapter, they feature improved body covering like magnesium-cast top and bottom covers and scratch-resistant splatter paint finish. They also offer a superior rubberized and anodized metal body, as well as internal parts made of metal instead of plastic (as on the Bessa R). The Bessa R2A and R3A are solid and durable, while the textured rubber will "hold" onto your hand. They are also exceptionally comfortable cameras

to hold and carry, due to the very graspable body covering and the molded palm grip on the back door.

Identical except for the finders, the R2A has a .7 magnification finder with 35/50/75/90 framelines while the R3A has a 1:1 finder with 40/50/75/90 framelines. This makes the Bessa 3A the first Leica M mount camera with a life size 1:1 finder!

The life size view finder allows you to shoot comfortably and effectively with both eyes open at the same time!



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

VOIGTLANDER

BESSA R2A/BESSA R3A

- ◆ Leica M-type lens mount accepts M bayonet-type lenses from Leica, Minolta and Konica as well as all 39mm screw mount lenses from Canon, Leica & Voigtlander—with an optional adapter.
- ◆ Aperture priority automatic exposure—you set the lens aperture, the camera sets the shutter speed.
- ◆ Electronic shutter with 1 to 1/2000 shutter + bulb manually selected speeds, 8-1/2000 on AE and flash sync at 1/125 second. (Like most electronic shutters, there is no manual speed back up if the batteries die.)
- ◆ Shutter speed LED readout from 1-2000 at the bottom of the finder.
- ◆ TTL centerweighted light metering for ambient light (range is EV 1-19 @ ISO 100 with 50mm f/1.5 lens)
- ◆ Metering in Manual or AE with AE Exposure Lock
- ◆ ISO range is ISO 25-3200 (manually set)
- ◆ ±2 stop exposure compensation on AE
- ◆ Ratcheting film advance, 45° standoff and 120° advance stroke
- ◆ Rotating shutter lock on shutter release; heavy duty rewind knob
- ◆ Compatible with the Voigtlander Trigger Winder for fast, battery-free film advance. With practice you can shoot 3 frames per second without the battery dependency of a motor drive (you can still use the top mounted shutter release). The Trigger Winder also provides a comfortable grip, as strap lugs for mounting the camera vertically rather than horizontally.
- ◆ Powered by two 1.5v LR44 alkaline batteries. Low batteries are indicated by blinking LEDs.
- ◆ Hot flash shoe and PC terminal
- ◆ Accepts diopters for the Nikon FM10
- ◆ They measure 5.4 x 3.2 x 1.4" (WxHxD); and weigh 1 lb.
- ◆ No self-timer

Bessa-R2A (0.7x Viewfinder)
Black Body (VOBR2A)\$49.95
Bessa-R3A (1.0x Viewfinder)
Black Body (VOBR3A)\$49.95
Case for Bessa-R Standard (VOCBR) ..\$39.95
Case for Bessa-R Snout (VOCBR3) ...\$34.95

CAMERAS & LENSES

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LEICA M-MOUNT RANGEFINDER LENSES

A standard Leica M-mount is used for these lenses, making them compatible with the Bessa R2A and R3A cameras as well as the Konica Hexar RF and Leica M cameras.

35mm f/1.2 Wide Angle Nokton (VO3512B)

This extremely fast wide-angle lens, the 35mm f/1.2 has an aspherical design to minimize distortion common with wide-angle lenses, and features an all-metal lens barrel construction and a 12-bladed aperture diaphragm which creates very pleasing out-of-focus highlights. Full rangefinder coupling is retained, and the aperture ring has click stops at half-stop intervals. Includes lens hood. Filter size is 52mm.....**879.95**



35mm f/2.5-M Wide Angle Color-Skopar Pan (PII) (VO3525P2B)

The tiny Color-Skopar 35mm f/2.5 lens features an all-metal lens barrel construction and a 10-bladed aperture diaphragm which creates pleasing out-of-focus highlights. Click stop aperture movements at half-stop intervals makes subtle adjustments in exposure or depth-of-field easy. Filter size is 39mm.....**339.95**

40mm f/1.4 Nokton Classic (VO4014B)

Especially prized, the 40mm focal length provides the best and most natural perspective for the 35mm 24x36 format. Extremely fast, the 40 f/1.4 has 7 elements in 6 groups, is rangefinder coupled, and has a close focus of .7 meters. Its dimensions are 1.15 x 2.15" and it weighs 6.1 oz.....**379.95**



M-LENS SPECIFICATIONS

	Groups/Elements	Picture Angle	Minimum Focus	Maximum Diameter	Length	Weight
35mm f/1.2	7/10	63°	2.3'	2.5"	3"	1.1 lb.
35mm f/2.5-M	5/7	63°	2.3'	2.2"	23mm	4.7 oz.
40mm f/1.4	6/7	56°	2.3'	2.2"	1.15"	6.1 oz.

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VOIGTLANDER

L (LEICA 39mm) SCREWMOUNT LENSES

For Bessa R or the R2A/R3A with Optional Adapter

These lenses use a standard L-mount, making them compatible with the Bessa R as well as classic cameras from Leica and Canon with the venerable 39mm screwmount design. If you want to use these lenses with the Bessa R2A and R3A, Leica M, or Konica Hexar RF cameras, they require the optional M-Bayonet adapter ring.

12mm f/5.6 Ultra Wide Aspherical Heliar with Viewfinder

This non-fisheye lens has an amazing 121° angle of view, making it ideal for stunning landscape photography as well as dramatic interiors. Even when shooting with the aperture wide open, the lens will yield high contrast and excellent resolution. A 9-bladed aperture diaphragm creates very pleasing out-of-focus highlights. Click-stops on the aperture movement at half-stop intervals, make it easy to make subtle adjustments in exposure or depth-of-field. It has no rangefinder coupling because it's extremely wide depth of field does not require it. The lens comes with a bright dedicated viewfinder, featuring a high eye-point design allowing you to see the entire image area while wearing glasses. Includes a viewfinder and lens hood. Filter size is 77mm (with optional filter adapter).

12mm f/5.6 Ultra Wide Heliar with Viewfinder: Silver color (VO1256S)599.00

12mm f/5.6 Ultra Wide Heliar with Viewfinder: Black color (VO1256B)599.00

Filter adapter to allows use of 77mm filters on the 12mm f/5.6 Heliar lens (VOFA)69.95



15mm f/4.5 Super-Wide Aspherical Heliar Lens with Viewfinder

This lens has a 110° angle of view and is ideal for stunning landscape photography as well as situations requiring a wide angle lens such as tight interiors. It includes a viewfinder.

15mm f/4.5 Super-Wide Heliar with Viewfinder: Silver color (VO1545S)349.95

15mm f/4.5 Super-Wide Heliar with Viewfinder Black color (VO1545B)349.95

21mm f/4.0 Wide Angle Color-Skopar with Viewfinder

With the attached focus assister you go from minimum distance to infinity in less than 90° of rotation. Apertures are selected with the click-stop diaphragm. It includes a viewfinder and a lens hood. Filter size is 39mm

21mm f/4 Wide Angle Color-Skopar with Viewfinder: Silver color (VO214S)339.95

21mm f/4 Wide Angle Color-Skopar with Viewfinder: Black color (VO214B)339.95



25mm f/4.0 Wide Angle Snapshot Skopar with Viewfinder

The Skopar, a radical lens desired by many camera enthusiasts, makes a return as a super-sharp, dedicated snapshot lens. Designed for fast and easy use, this lens has click-stops on the focus ring, which makes estimating focus distance quick and simple. A unique multi-coating reduces flare and ghost while maintaining excellent image quality. Has a built-in focus click-stop mechanism, a powerful feature in snapshot photography. Includes a 25mm viewfinder and a lens hood. Filter size is 39mm.

25mm f/4 Wide Angle Snapshot Skopar with Viewfinder: Silver color (VO254S)249.00

25mm f/4 Wide Angle Snapshot Skopar with Viewfinder: Black color (VO254B)249.00

VOIGTLANDER

L (LEICA 39mm) SCREWMOUNT LENSES

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28mm f/3.5 Wide Angle Color Skopar

The Color-Skopar 28mm f/3.5 features an all-metal lens barrel construction and a 10 bladed aperture which creates pleasing out-of-focus highlights. This lens retains rangefinder and viewfinder coupling with all the combinations. Viewfinder sold separately. Filter size is 39mm.

28mm f/3.5 Wide Angle Color Skopar: Silver color (VO2835C)289.95
 28mm f/3.5 Wide Angle Color Skopar: Black color (VO2835B).....289.95



28mm f/1.9 Wide Angle Ultron

This ultrafast wideangle lens is a leader in speed for this focal length. With the attached focus assister you go from minimum distance to infinity in less than 90° of rotation. Apertures are selected with the click-stop diaphragm. This lens retains rangefinder coupling with all the combinations, and when used with Leica's 0.58x and 0.72x M-series cameras as well as the Konica Hexar RF, will trigger the appropriate viewfinder window. Excellent depth of field scale. Viewfinder sold separately. Filter size is 46mm.

28mm f/1.9 Wide Angle Ultron: Silver color (VO2819S)449.95
 28mm f/1.9 Wide Angle Ultron: Black color (VO2819B)449.95

35mm f/1.7 Wide Angle Ultron Aspherical

A nice fast optic for the 39mm screwmount rangefinder cameras from Voigtlander, Leica and Canon. It features an all-metal lens barrel construction and a 10-bladed aperture diaphragm which creates very pleasing out-of-focus highlights. Full rangefinder coupling is retained, and the aperture ring has click stops at half-stop intervals. This lens retains rangefinder and viewfinder coupling with all the combinations. Includes a lens hood. Viewfinder sold separately. Filter size is 39mm.

35mm f/1.7 Wide Angle Ultron: Silver color (VO3517S)384.95
 35mm f/1.7 Wide Angle Ultron: Black color (VO3517B)384.95



35mm f/2.5 Wide Angle Color-Skopar C (Classic)

This lens features an all-metal lens barrel construction and a 10-bladed aperture which creates pleasing out-of-focus highlights. Click-stop aperture movement delineated in half-stop intervals makes subtle adjustments in exposure or depth-of-field simple. This lens retains rangefinder and viewfinder coupling with all the combinations. Has a permanently attached circular lens hood. Filter size is 39mm.

35mm f/2.5 Wide Angle Color Skopar: Silver color (VO3525CS)229.95
 35mm f/2.5 Wide Angle Color Skopar: Black color (VO3525CB).....229.95



50mm f/1.5 Normal Nokton

A fast optic for 39mm screwmount rangefinder cameras, the Nokton features all-metal lens barrel construction and a 10 bladed aperture diaphragm which creates pleasing out-of-focus highlights. Click stop aperture movements at half-stop intervals makes subtle adjustments in exposure or depth-of-field easy. The Nokton lens is unusual in the rangefinder field because of the use of modern aspherical lens element fabrication technology on the rear element. The lens is constructed with two aspherical surfaces and one SD (super-low dispersion) glass element. This lens retains rangefinder and viewfinder coupling with all the combinations. Viewfinder sold separately. Filter size is 52mm.

50mm f/1.5 Normal Nokton: Silver color (VO5015S)349.95
 50mm f/1.5 Normal Nokton: Black color (VO5015B)349.95



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VOIGTLANDER

L (LEICA 39mm) SCREWMOUNT LENSES

CAMERAS & LENSES

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50mm f/2.5 Normal Color-Skopar Classic

This Color-Skopar 50mm f/2.5 features an all-metal lens barrel construction and a 10-bladed aperture which creates pleasing out-of-focus highlights. This lens retains rangefinder and viewfinder coupling with all the combinations. Viewfinder sold separately. Filter size is 52mm.

50mm f/2.5 Normal Color-Skopar Classic: Silver color (VO5025C)289.95
 50mm f/2.5 Normal Color-Skopar Classic: Black color (VO5025B)289.95



75mm f/2.5 Telephoto Color Heliar

The Color Heliar has all-metal lens barrel construction and a 10-bladed aperture diaphragm which creates pleasing out-of-focus highlights. Click stop aperture movement at half-stop intervals makes subtle adjustments in exposure or depth-of-field easy. This lens retains rangefinder and viewfinder coupling with all combinations. Viewfinder sold separately. Includes lens hood. Filter size is 43mm.

75mm f/2.5 Telephoto Color Heliar: Silver color (VO7525S)299.95
 75mm f/2.5 Telephoto Color Heliar: Black color (VO7525B)299.95

90mm f/3.5 APO Lanthar

This unique lens allows all three components of the light spectrum (infrared, visible light and ultraviolet) to pass through it, tremendously increasing the sharpness and contrast of pictures and making this lens basically irreplaceable for photographers interested in infrared, black and white and specialty photography. Lens barrel construction is a metallic affair, and a 10-bladed aperture creates pleasing unfocused highlights. Features click-stop aperture movement at half-stop intervals. This lens retains rangefinder and viewfinder coupling with all combinations. Includes lens hood. Viewfinder sold separately. Filter size is 39mm.

90mm f/3.5 Telephoto APO Lanthar: Silver color (VO9035S)319.95
 90mm f/3.5 Telephoto APO Lanthar: Black color (VO9035B)319.95



Lens Hoods

Lens hoods are primarily designed to prevent unwanted stray light from entering the lens by extending and shading the end of the lens. In addition, since the end of the lens is extended, you also get the added benefit of some extra protection from accidental impact.



Rectangular Metal Lens Hood (VOLH1)
 For 21mm, 25mm and 28mm Lenses49.95



Rectangular Metal Lens Hood (VOLH2)
 For 35mm and 50mm Lenses49.95

M-Bayonet Adapter Rings

Required to use the above L (Leica 39mm) screw-mount lenses with the Voigtlander Bessa R2A and R3A, Leica M, or Konica Hexar RF cameras.



M-Bayonet Adapter Ring (VOMBAR35)
 For 35mm and 135mm Screw-Mount Lenses59.95

M-Bayonet Adapter Ring (VOMBAR50)
 For 50mm and 75mm Screw-Mount Lenses59.95

M-Bayonet Adapter Ring (VOMBAR28)
 For 28mm and 90mm Screw-Mount Lenses59.95

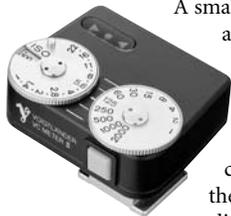


EQUIPMENT LEASING AVAILABLE

VOIGTLANDER

ACCESSORIES

VC Light Meter II



A small, lightweight accessory meter that serves older Leicas and similar rangefinder cameras. The meter conveniently slips into the camera's shoe while readings are taken. Three

dials - one for ISO, one for aperture and one for shutter speed allow settings to be made. A series of LEDs illuminate when correct measurement has been achieved.

- VC Light Meter II (VOM2S) Silver199.95
- VC Light Meter II (VOM2B) Black.....189.95
- Strap Adapter for VC Meter (VOSAVC) ..39.95

Rapid Trigger Winder (VOW)



A valuable accessory, the winder can be skillfully operated for a film advance rate of up to three frames per second. You can leave the winder on the camera and still change the film. Built-in side grip. Three strap lugs for horizontal or vertical carrying. Tripod socket199.95

Bubble Level (VOBL)
Fits into camera's shoe.....129.95

Side Grip for Bessa Cameras (VOG)
Screws into tripod socket49.95

Bottom Grip A (Straight) for Bessa Cameras (VOGBA)
Provides a handy vertical bottom grip to any rangefinder camera. Connects to the 1/4-20" tripod socket at the bottom of the camera39.95



Bottom Grip B (Ball) for Bessa Cameras (VOGBB)
Provides a handy ball-shaped bottom grip for any rangefinder camera. Connects to the 1/4-20" tripod socket at the bottom of the camera39.95

Double Shoe Adapter Type A (VODSAA)

Dual-mounting adapter allows the VC Light Meter II to be used slightly offset on top of the camera with a viewfinder attached directly over the camera flash shoe.....59.95



Angle Viewfinder for Bessa-R Cameras

with 12mm, 15mm, 21mm or 25mm Lenses (VOVFA)

This first device of its kind, the Angle Viewfinder makes composition of vertical and horizontal pictures with Voigtlander's superwide lenses (which fit all Leica screwmount cameras) easy. Included is a rear built-in diopter, parallax

compensation marks, and a clear bright view.....199.95

Attachment for Angle Viewfinder

12mm Attachment for Angle Viewfinder (VOA12VF): This 12mm adapter is required to make the Angle Viewfinder compatible with a 12mm lens.....84.95

15mm Attachment for Angle Viewfinder (VOA15VF): This 15mm adapter is required to make the Angle Viewfinder compatible with a 15mm lens.....69.95

21mm Attachment for Angle Viewfinder (VOA21VF): This 21mm adapter is required to make the Angle Viewfinder compatible with a 21mm lens.....69.95

25mm Attachment for Angle Viewfinder (VOA25VF): This 25mm adapter is required to make the Angle Viewfinder compatible with a 25mm lens.....69.95

Viewfinders with Brightlines

These viewfinders have parallax correction marks and a bright, stellar image.

Viewfinder with Brightlines

For 28mm Lens (VOVF28B):
Black color169.95

Viewfinder with Brightlines For 28mm Lens (VOVF28S):
Silver color169.95

Viewfinder with Brightlines For 35mm Lens (VOVF35B):
Black color169.95

Viewfinder with Brightlines For 35mm Lens (VOVF35S):
Silver color169.95

Viewfinder with Brightlines For 28mm and 35mm Lens (VOMF2835B):
Black color199.99

Viewfinder with Brightlines For 28mm and 35mm Lens (VOMF2835S):
Silver color199.99

Viewfinder with Brightlines For 40mm Lens (VOVF40B):
Black color129.95

Viewfinder with Brightlines For 50mm Lens (VOVF50B):
Black color129.95



Viewfinder for 50mm lens

Viewfinder with Brightlines For 50mm Lens (VOVF50S):
Silver color129.95

Viewfinder with Brightlines For 75mm Lens (VOVF75B):
Black color129.95

Viewfinder with Brightlines For 75mm Lens (VOVF75S):
Silver color129.95

Viewfinder with Brightlines For 90mm Lens (VOVF90B):
Black color169.95

Viewfinder with Brightlines For 90mm Lens (VOVF90S):
Silver color169.95

VOIGTLANDER

BESSA R2S • BESSA R2C

CAMERAS & LENSES

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Manual Focus 35mm Rangefinder Cameras



Basically the same as the Bessa R2A without automatic exposure, the Bessa R2S has a classic Nikon Rangefinder lens mount while the R2C has a classic Contax Rangefinder lens mount (both are based on a the mount introduced in 1932 on the Zeiss Contax 1). The Bessa R2S will accept the Voigtlander S or SC lenses, or any of the Nikon Rangefinder lenses (except 21mm f/4). It also accepts some classic Contax rangefinder lenses, but with restrictions. The Bessa R2C will accept the Voigtlander SC lenses, or most of the classical Contax rangefinder* lenses. This camera will also accept some Nikon rangefinder lenses, but with restrictions.

*Note: they are not compatible with the modern "G" mount and does not accept Contax G lenses.

BESSAFLEX™ Manual Focus 35mm Screwmount SLR Camera

Available in black or silver, the Beassaflex™ is the first camera in decades to utilize the once predominant "Universal" 42mm lens screw mount. Designed to fulfill a market demand for a simple mechanical single lens reflex camera in the popular 42mm Pentax screw mount, the Bessaflex™ is an ideal camera for students and beginner photographers attending photo schools where a mechanical SLR camera is required. The camera features rugged die cast body, extremely bright viewfinder, light meter, self timer, TTL flash socket, stop-down switch for through the lens light metering and depth of focus assessment. The film door of camera is equipped with window for type-of-film viewing. The fully mechanical shutter will work without batteries.



FEATURES

- ◆ Pentax "Universal" 42mm screw mount
- ◆ Manual focus, manual exposure
- ◆ Camera provides TTL "stop-down" metering activated by the Meter Switch, ideally placed to be operated by your left thumb as you hold and focus the camera. (Meter Switch only works with "Auto" diaphragm lenses.
- ◆ Doesn't have a shoe mount (can be added as an accessory); has a PC terminal
- ◆ Extremely bright viewfinder
- ◆ Depth-of-preview via the Metering Switch
- ◆ Top shutter speed of 1/2000 second
- ◆ 10-second self-timer
- ◆ Accepts standard mechanical cable release
- ◆ Powered by 2 included LR-44 1.5v batteries
- ◆ Compact and lightweight (only 1.1 lb.)

Bessaflex™ Manual Focus Camera Body (VOBTMB) Black color.....	Flash Shoe Adapter for Bessaflex™ (VOSABS) This adapter allows a shoe flash to be mounted to the Bessaflex™ body, and links up to the PC socket to provide TTL metering
Bessaflex™ Manual Focus Camera Body (VOBTMS) Silver color.....
Voigtlander Case for Bessaflex™ (VOCBS)
	299.95
	299.95
	39.95
	32.99



VOIGTLANDER

BESSAFLEX™ SLR LENSES

12mm f/5.6 Ultra Wide-Heliar SL

with Viewfinder (VO1256SL)

A unique, non-fisheye lens designed for Nikon cameras equipped with mirror lock-up system. It features a Nikon bayonet mount, metal body with high quality finish, aspherical lens element and comes with dedicated viewfinder and front/rear lens caps**889.00**

15mm f/4.5 Super Wide-Heliar SL

with Viewfinder (VO1545SL)

The metal 15mm f/4.5 lens is a non-fisheye lens for Nikon cameras equipped with a mirror lock-up system. It features Nikon bayonet mount, an aspherical lens element and comes with dedicated viewfinder and front/rear lens caps**589.99**

Ultron 40mm f/2.0 SL

Aspherical Manual Focus Lens (VO402SL)

A top quality metal lens that delivers exceptionally sharp pictures even at fully opened diaphragm. It features an aspherical lens element and has front and rear lens caps. Available in Nikon AIS, Canon FD, Pentax K, Minolta MD, Contax / Yashica MM, Olympus OM and Pentax 42mm screw mount**289.99**

Color Heliar 75mm f/2.5 SL

Manual Focus Lens (VO7525SLPE)

The metal 75mm f/2.5 Color-Heliar features a mount for the optional square metal hood and comes with front and rear lens caps. The lens is available in Nikon AIS, Canon FD, Pentax K, Minolta MD, Contax / Yashica MM, Olympus OM and Pentax 42mm screw mount.....**289.99**

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This lens features a metal body with high quality finish, close focus that gives 3.5x magnification, mount for the optional square metal hood and lens comes with front and rear lens caps. Available in Nikon AIS, Canon FD, Pentax K, Minolta MD, Contax / Yashica MM, Olympus OM and Pentax 42mm screw mount**299.99**

Macro APO-Lanthar 125mm f/2.5 SL

Manual Focus Lens (VO12525SLPE)

This metal lens features a high quality finish, macro, square metal hood and lens comes with front and rear lens caps. Available in Nikon AIS, Canon FD, Pentax K, Minolta MD, Contax / Yashica MM, Olympus OM and Pentax 42mm screw mount**659.99**

APO-Lanthar 180mm f/4.0 SL

Manual Focus Lens (VO1804SLPE)

The metal APO-Lanthar 180mm f/4.0 lens features a close focus, mounts for the optional square metal hood and front and rear lens caps. The lens is available in Nikon AIS, Canon FD, Pentax K, Minolta MD, Contax / Yashica MM, Olympus OM and Pentax 42mm screw mount.....**359.99**

BESSAFLEX™ LENS SPECIFICATIONS

	Minimum Focus Distance	f/Stop Range	Angle of View	Length	Weight	Filter Size
12mm f/5.6	1'	5.6-22	121°	0.6"	7 oz.	77mm*
15mm f/4.5	1'	4.5-22	110°	0.5"	5.3 oz.	
40mm f/2.0	1.3'	2-16	57°	5.1"	9 oz.	52mm
75mm f/2.5	2.3'	2.5-22	32°	1.6"	8.8 oz.	49mm
90mm f/3.5	1.6'	3.5-22	27°	2.3"	13.7 oz.	49mm
125mm f/2.5	15"	2.5-22	20°	3.5"	1.5 lb.	58mm
180mm f/4.0	4'	4-22	14°	3.1"	1.1 lb.	49mm



L SCREWMOUNT LENS SPECIFICATIONS

	Minimum Focus Distance	f/Stop Range	Angle of View	Length	Weight	Filter Size
12mm f/5.6	11.8"	5.6-22	121°	1.5"	0.20 lb.	77mm*
15mm f/4.5	1'	4.5-22	110°	1.2"	0.23 lb.	
21mm f/4.0	1.6'	4.0-22	90.9°	1.1"	0.24 lb.	39mm
25mm f/4.0	2.3'	4.0-22	82°	1.2"	0.20 lb.	39mm
28mm f/3.5	27.5"	3.5-22	75°	1.01"	5.75 oz.	39mm
28mm f/1.9	2.3'	1.9-22	75°	2.5"	0.58 lb.	46mm
35mm f/1.7	3'	1.7-16	63°	1.8"	0.44 lb.	39mm
35mm f/2.5	2.9'	2.5-22	63°	1.2"	0.29 lb.	39mm
50mm f/1.5	3'	1.5-16	46°	2.2"	0.53 lb.	52mm
50mm f/2.5	29.5"	2.5-22	46°	1.3"	7.3 oz.	39mm
75mm f/2.5	3.3'	2.5-16	32°	2.5"	0.50 lb.	43mm
90mm f/3.5	3.3'	3.5-22	27°	3.5"	0.57 lb.	39mm

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