# **AUTOFOCUS LENSES**

# WIDE-ANGLE, WIDE-ANGLE ZOOM & SUPER TELEPHOTO 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 you 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)1099.00	For Nikon (TA1428ANAF)1099.00
For Sony/Minolta (TA1428AMAF)1099.00	For Pentax (TA1428APAF)1099.00





## **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)399.00	For Nikon (TA2413535NAF)399.00
For Sony/Minolta (TA2413535MAF) 399.00	For Pentax (TA2413535PAF) 399.00

#### **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



Many Tamron lenses include rebates. Please go on-line or call for details and expiration dates.

### **PROfessional Learning Center**

On Tamron's website (www.tamron.com), you will find a great resource—the PROfessional Learning Center. This dynamic online resource features a wide range of incisive, up-to-date articles and inspiring images by leading pro shooters presented in a graphically exciting, user-friendly format.

The PROfessional Learning Center is designed to help everyone from photo enthusiasts to aspiring pros take better pictures and enhance their creative potential. It includes articles on shooting tips and techniques by specialists in all fields, from formal portraits to wildlife, and everything in between. You can also download mini-courses on lighting, lens selection, filters, Photoshop programs, color management and much, much more. Most important, there is plenty of straight-from-the-shoulder advice from top pros to help you get the most out of your digital and traditional equipment. So, if you're serious about improving your images, log on to go to "photographic lenses" and click on Learning Center.



# DIGITAL SLRS TAMRON

# Di (DIGITALLY INTEGRATED) LENSES

Designed for superior use with digital SLR cameras and conventional 35mm cameras.

### **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 hood and soft pouch. Filter size: 55mm.

For Canon (TA9028MCAF)489.00	For Nikon (TA9028MNAF)489.00
For Sony/Minolta (TA9028MMAF)489.00	For Pentax (TA9028MPAF)489.00





## 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)699.95	For Sony/Minolta (TA18035MAF)699.95
<b>For Nikon</b> ( <i>TA18035NAF</i> ) <b>699.95</b>	For Pentax (TA18035PAF)699.95

## 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)......299.00 For Nikon (TA173528NAF)......299.00





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

The world's lightest and most compact fast standard zoom lens, this 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 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)379.00	For Nikon (TA287528NAF)379.00
For Sony/Minolta (TA287528MAF)379.00	For Pentax (TA287528PAF)379.00



# **TAMRON**

# Di (DIGITALLY INTEGRATED) LENSES

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

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. The 'moving triple cam' mechanism 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 (TA2820038MCA), for Nikon (TA2820038MNA), for Minolta (TA2820038MM), and for Pentax (TA2820038MP)......299.00



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

A quantum leap in design, 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), for Nikon (TA2830035XDN), for Minolta (TA2830035XDM), and for Pentax (TA2830035XDP)......399.00

## AF70-300mm f/4.0-5.6 Di 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 portraiture, or "compression effects" that make the most of the telephoto lens. Switch to maco 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 (TA70300MCA)189.00	For Nikon (TA70300MNA)189.00
For Sony/Minolta (TA70300MM)189.00	For Pentax (TA70300MP)189.00





#### 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. A detachable Filter Effect Control ring allows a filter to be rotated to the desired position with the hood still attached, enabling you to simultaneously perform minute adjustments to a polarizer filter. You can confirm the effect through the viewfinder while using the hood to prevent harmful light from entering the lens. This lens includes a lens hood, detachable filter effect control and a soft lens case with a strap. Filter size is 86mm.

For Canon (TA20050056C), for Nikon (TA20050056N), and for Sony/Minolta (TA20050056M).......879.00

Many Tamron lenses include rebates. Please go on-line or call for details and expiration dates.



# **Di-II LENSES**

Tamron's DI-II (Digitally-Integrated)-II lenses are designed for exclusive use on digital cameras with smaller-size imagers. They are not for use with 35mm film cameras or digital SLR cameras with image sensors larger than 24mm x 16mm. When used with digital SLRs using APS-C size image sensors, they capture the optimum scope and provide high image quality in terms of resolution, contrast and flatness of image field. The DI-II zoom lenses use a new optical system dedicated to digital SLR photography by optimizing the angles of incidences of light rays reaching the CCD imager. They confine the changing angles of incidences of light rays reaching the imager within a certain scope over the entire image field from the center to the periphery, by considering the effects of variances due to zooming.

Peripheral light fall-off is minimized when compared with that of conventional film lenses cameras so that images are uniformly bright from the center to the periphery. Ghosting and flare caused by aberrations are annoying factors in digital SLR photography, so Tamron has adopted various countermeasures against the problem including the employment of "Internal Surface Coatings" (i.e., multiple-layer coatings on cemented surfaces of plural elements) and new multiple-layer coating technology on ordinary elements in order to minimize reflections that occur when light enters through the front element and to reduce image degrading effects caused by the imagers themselves.

#### **Di-II Lenses all Feature**

- ♦ All Di-II he lenses (except the AF55-200mm) include a glare-reducing flower-shaped lens hood. The special hood provides optimum shading of superfluous light rays that enter from the rectangular frame outside the image field. (The AF55-200mm includes a standard lens hood).
- ◆ Improvements have been made to their external design by adding a gold-colored band above the focus ring to enhance the appearance and make it stand out as a Di-II lens. The rubber patterns of the zoom and focus control rings have been improved at the same time to compliment the digital camera design style and to provide better handling.
- ◆ In order to achieve outstanding optical quality, their optical system uses one element of HID (High Index/High Dispersion glass) to compensate for spherical aberrations, and one LD (Low Dispersion) glass element to minimize on-axis (longitudinal) and off-axis chromatic aberrations that are the greatest hindrance to high optical quality.
- ◆ In addition, there is a high-precision, large clear aperture, glass-molded aspherical element and two hybrid aspherical elements to thoroughly compensate for spherical and chromatic aberrations and distortion.

# ALL TAMRON LENSES INCLUDE USA 6-YEAR WARRANTY

## SP AF11-18mm f/4.5-5.6 Di-II LD Aspherical (IF)

A high performance ultra wideangle zoom lens designed exclusively for digital SLR cameras using APS-C size image sensors, this lens provides reliable performance in a compact size to meet the needs of digital SLR camera users pursuing creativity in wideangle photography. In addition to an optical system featuring glass-molded aspherical element having a large clear aperture, the lens incorporates hybrid aspherical elements, and elements using such special glass materials as high index/high dispersion glass and low dispersion optical glass, for outstanding optical performance. Internal Surface Coatings (i.e., multiple-layer coatings on cemented surfaces of plural elements) and multiple-layer coating technology on ordinary elements minimize reflections that occur when light enters through the front element and to reduce image degrading effects caused by the imagers themselves.



The lens provides the 35mm equivalent of a 17-28mm. When you combine it with the 18-200mm Di-II, you can cover the focal length equivalent of 17-300mm. Provides an angle of view as wide as 103°, yet it is still lightweight and compact. In addition, the MFD (Minimum Focus Distance) is 9.8″ throughout the entire zoom range, so you can easily get close to your subjects for a dramatic perspective. Includes lens hood. Filter size is 77mm.

For Canon (TA111845CAF).......569.00 For Nikon (TA111845NAF)......569.00 For Sony/Minolta (TA111845MAF).....569.00

Many Tamron lenses include rebates. Please go on-line or call for details and expiration dates.



# **Di-II LENSES**

## SP AF17-50mm f/2.8 XR Di II LD Aspherical [IF]

Lightweight and compact, this lens offers the 35mm equivalent of a 26-78mm lens. Portrait shots are made beautiful with the natural out-of-focus effect characteristic provided by the fast f/2.8 aperture. Minimum focus distance of 10.6″ achieves a maximum magnification ratio of 1:4.5 at 50mm. Just 3.2″ long and weighing only 15.3 oz., the use of XR (Extra Refractive Index) glass reduces aberrations to the absolute minimum while achieving remarkable compactness. LD (Low Dispersion) glass element achieves effective compensation of on-axis and lateral chromatic aberrations—critical for enhancing optical quality in digital photography. Zoom Lock prevents unwanted barrel extension when carrying the lens/camera combination. Includes lens hood. Filter size is 67mm.





## AF18-200mm f/3.5-6.3 XR Di-II LD Aspherical (IF) Macro

This high power zoom lens uses XR (Extra Refractive Index) glass in an innovative way in order to optimize the overall distribution of optical power throughout the zoom range. It also reduces various aberrations to the absolute minimum and achieves remarkable downsizing at the same time. In addition, three hybrid aspherical lens elements and two LD (Low Dispersion) glass elements are used to accomplish effective compensation of on-axis and lateral chromatic aberrations, a critical factor to enhance the optical quality in digital photography. The lens realizes a minimum focus distance of 0.45m over the entire zoom range. Since the maximum magnification ratio at f/200mm is 1:3.7, you can enjoy close-up photography easily and conveniently. Zoom Lock prevents unwanted barrel extension when carrying the lens/camera combination. Includes lens hood. Filter size is 62mm.



Lightweight and compact, the AF18-250mm is the ultimate high power zoom boasting a 13.9x zoom ratio. Yet the lens is a mere 0.2mm more in its maximum diameter and just 0.6mm in overall length than the 18-200mm, in a lens that offers a 388mm ultra telephoto (35mm equivalent). Uses an LD (Low Dispersion) glass element and one AD (Anomalous Dispersion) lens in the first group to minimize on-axis chromatic aberration while achieving the 250mm ultra-tele focal length. Minimum focusing distance of 0.45m (17.7") throughout the entire zoom range affords a 1:3.5 macro capability. Includes lens hood. Filter size is 62mm.

For Canon (TA182503563C)389.00	For Nikon (TA182503563N)389.00
For Sony/Minolta (TA182503563S)389.00	For Pentax (TA182503563P)389.00





# AF55-200mm f/4-5.6 Di II LD Macro

This lightweight and compact telephoto zoom covers the 35mm focal length equivalent of 85-310mm. 3.3" long and a mere 10.4 oz., it realizes an MFD (Minimum Focus Distance) of 37.4" over the entire zoom range. Since the maximum magnification ratio at f/200mm is 1:3.5, you can enjoy easy and convenient close-up photography. Employs a nine-blade almost circular diaphragm construction providing naturally blurred background effects when a natural out-of-focus effect is desired. LD (Low Dispersion) glass element is used to accomplish effective compensation of on-axis and lateral chromatic aberrations, a critical factor to enhance the optical quality in digital photography. Includes lens hood. Filter size is 52mm.



# TOKINA

# **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 distinctive gold rings, continues this evolution. All include 3-year warranty.

## 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.

#### **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.

## **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.

### SD Super Low Dispersion:

- ♦ When standard optical glass is used in telephoto lenses, a phenomenon called chromatic aberration can occur. Chromatic aberration is the inherent tendency for glass to disperse (separate) a ray of light into the colors of the rainbow. The rainbow effect created by a glass prism is the most dramatic demonstration of chromatic aberration.
- ◆ In lenses, it is much less pronounced, but still creates slightly out of focus colors, akin to an "optical noise" that has a negative impact on the quality of the picture. To eliminate chromatic aberration, Tokina employs expensive, special glass material having super-low dispersion (SD) properties in the AT-X 107DX and the AT-X 535 Pro DX.

# ALL TOKINA AT-X LENSES INCLUDE A 3-YEAR WARRANTY

#### FISH-EYE ZOOM LENS

#### 10-17mm f/3.5-4.5 Fish-Eye Zoom Lens for Digital Only (AT-X 107 DX)



Designed to only work with cameras that have an APS-C sized sensor, the AT-X 107 DX is a full-frame fish-eye lens that gives the photographer an approximate 180° field of view with dramatic curvature of field or "fish-eye" effect. With this lens an entire view or vista can be captured, wider than the human eye can see. The AT-X 107 opens an entirely new dimension of photography. The front element of the AT-X 107 DX has a newly formulated WP or "Water Proof" optical coating on the glass. This new coating makes marks such as spots left by water or finger-prints much easier to clean than standard multi-coating. The rear optical group of the lens contains one SD (Super-Low Dispersion) glass element to reduce the number of elements (pieces of glass) in the optical design in order to make the lens more compact, light-weight and faster focusing.



# TOKINA

# LENSES

#### AT-X PRO ZOOM LENSES

### 12-24mm f/4 Zoom Lens for Digital Only (AT-X 124 PRO DX)

Designed exclusively for Canon and Nikon digital SLRs with APS-C sized sensor, this ultra wide-angle zoom lens that has the 35mm equivalent of an 18-36mm zoom while maintaining a bright constant aperture of f/4. Two sharp-cut aspherical elements accurately correct aspherical aberration usually associated with ultra-wide angle lenses. Fast internal focusing with Tokina's One-Touch focus clutch mechanism allows the lens to AF focus faster and switching between auto and manual focus is as easy as snapping the focus ring back and forth. Non-rotating 77mm filter threads mean special effect filters will not change when the lens' focus is changed. Chrome plated brass mount plate and all-metal zoom unit can stand up to regular use while advanced polycarbonate outer lens barrels reduce the weight of the lens, making it a pleasure to carry. Includes BH-777 lens hood. Filter size is 77mm.

For Canon (TO122440CAF)......499.95 For Nikon (TO122440NAF)......499.95

### 50-135mm f/2.8 Zoom Lens for Digital Only (AT-X 535 PRO DX)

Designed for use exclusively on Canon and Nikon digital SLRs with APS-C sized sensor, this lens gives digital photographers a 35mm equivalent of an 80-210 telephoto zoom—but is much more compact and lightweight. The lens features SD glass lens elements to correct for chromatic aberrations and focuses all colors accurately at the film plane, making the AT-X 535 PRO DX an APO lens. The front element has a newly formulated WP or "Water Proof" optical coating on the glass. This new coating makes marks such as spots left by water or finger-prints much easier to clean than standard multi-coating. Other features include a built-in tripod collar and One-touch focus clutch mechanism for fast switching between auto focus and manual focus modes. Includes BH-671 lens hood. Filter size is 67mm.





#### 100mm f/2.8 Macro Lens for Film and Digital (AT-X 100 PRO D)

The AT-X 100 PRO D macro lens can handle both the digital and film worlds with ease. Capable of life-sized (1:1) reproduction at 11.8" the lens' multi-coating has been re-engineered to match the highly reflective silicon based CCD and CMOS sensors in today's digital SLR cameras. This lens gives the best of both worlds because optics still give full coverage and excellent sharpness on 35mm film. Features Tokina One Touch Focus Clutch Mechanism for fast easy switching between manual and auto focus, and a 55mm non-rotating filter thread for use with macro ring flashes and special effects filters. Also comes with a deep bayonet mounted lens hood. For convenience, there is a focus limiter switch that can lock the focus out of the closes focus making it focus faster when used as a moderate telephoto lens that is excellent portraits as well. Includes lens hood. Filter size is 55mm.

# 80-400mm f/4.5-5.6 Zoom for Film and Digital (AT-X 840 D)

The smallest SLR lens available that zooms to 400mm, the AT-X 840 AF D has a smooth and quick internal focusing system, so the all-metal inner barrel that houses the heaviest glass elements doesn't rotate when the lens focuses, making it very fast. Multi-coatings applied to the elements are formulated to compensate for the highly reflective CCD and CMOS sensors in today's digital SLR cameras—greatly reducing the chance of internal flare or ghost reflections. A built-in low-profile tripod collar makes for a well-balanced camera/lens combination when using a tripod or monopod. The zoom can be locked at 80mm so there is no chance of "zoom creep" when the camera and lens are carried over the shoulder. Last, the supplied BH-725 lens hood has a PL Assist spring-loaded thumb wheel that allows a circular polarizer or special effects filter to be rotated while the lens hood is in place. No more removing the hood to change the position of the filter. Filter size is 72mm.

