With Tamron’s unique lens portfolio, photographers can use their camera’s entire potential. Advanced imaging technology and modern optical systems guarantee unbelievable optical performance. Fast AF, precise VC image stabilization and high-quality lens coatings open up new ways to express yourself. For more than 60 years, Tamron lenses have been the “creative eyes” of photographers at every level of experience.
Broadening the possibilities of photographic expression with TAMRON LENS TECHNOLOGIES

**Camera Compatibility**
The designation DI (Digitally Integrated) refers to a lens developed specially for the exacting requirements of digital cameras. Please ensure when purchasing that the lens has the correct mount for your camera system.

- For all DSLR cameras with full-format and APS-C sensors
- For DSLR cameras with APS-C sensors
- For mirrorless system cameras

Some models cannot be used with all mounts. You can find an overview on pages 30 to 31. Or lenses with built-in motors for Nikon and Di II lenses have no aperture ring.

**Superior Performance for Discriminating Shooters**
The Tamron SP (Superior Performance) series is a line of ultra-high-performance lenses designed and manufactured to the exacting specifications demanded by professionals and others who require the highest possible image quality. In creating SP lenses, Tamron’s optical designers put their foremost priority on achieving superior performance parameters—they are all designed to a higher standard with little regard for cost constraints. As a result, Tamron lenses bearing the SP designation feature impressive and innovative designs that have established an enviable reputation for excellence among those knowledgeable photographers that demand the very best.

**LD (Low Dispersion) Glass for Greater Lens Sharpness**
LD (Low Dispersion) glass elements in a lens help reduce chromatic aberrations, the tendency of light of different colors to focus at different points on the image plane. Chromatic aberration reduces the sharpness of an image, but glass with an extremely low dispersion index has less of a tendency to separate (disperse) a ray of light into a rainbow of colors. This characteristic allows the lens designer to effectively compensate for chromatic aberration at the center of the field (on axis), a particular problem at long focal lengths (the telephoto end of the zoom range), and for lateral chromatic aberration (toward the edges of the field) that often occurs at short focal lengths (the wide-angle end of the zoom range).

**AD (Anomalous Dispersion) for Better Color Correction**
AD (Anomalous Dispersion) glass is a special type of optical glass that is used to achieve more precise control of chromatic aberrations, thereby enhancing overall image quality. Glass of this type provides an abnormally large partial dispersion ratio (amount of diffraction) for light of specific wavelength ranges (colors) within the visible spectrum. By combining AD glass having these special characteristics with elements made of normal glass having different dispersion characteristics, it is possible to control the dispersion factors of a specific wavelength. This enhanced level of control results in much lower levels of artifact (central chromatic aberration for telephoto lenses or zooms used at telephoto settings) and a significant reduction of lateral (peripheral) chromatic aberration for wide-angle lenses (at zooms used at wide-angle settings).

**XLD (eXtra Low Dispersion) Lens**
XLD (eXtra Low Dispersion) lens elements made from special ultra-high-grade glass allow Tamron lens designers to achieve much greater control over chromatic aberration (color fringing) and magnification aberrations, the two major factors that inhibit image quality enhancement. In combination with LD elements, XLD elements are used to achieve sophisticated lenses that deliver the highest possible contrast, finest detail, and superior imaging performance throughout the entire zoom range.

**Hybrid Aspherical Elements Provide the Ultimate in Image Quality and Compactness**
Tamron uses several hybrid aspherical lens elements and other lens elements bearing the XGM aspherical lens designation. These innovative optics are an example of Tamron’s ultra-high-performance lenses and offer remarkable zoom ranges in extraordinarily compact packages. By perfecting these leading-edge advances for series production, Tamron has advanced the state of optical design, and virtually eliminated spherical aberration and image distortion from the all-in-one zoom range. Through the effective application of Hybrid Aspherical Technology, one lens element can take the place of multiple elements without compromising performance. This is what allows us to provide remarkable compact long-range lenses that deliver a uniformly high level of image quality at all focal lengths and apertures.

**BBAR (Broad-Band Anti-Reflection) Coating**
Tamron uses advanced multi-coating techniques to suppress reflections and light dispersion on lens element surfaces that result in reduced light transmission and may, under adverse conditions, cause flare and ghost images that reduce contrast and can diminish image quality. The BBAR Coating technology helps to provide the best possible color balance for vibrant and accurate color rendition. Tamron has developed an improved proprietary version of BBAR Coating that successfully increases light transmission in both longer and shorter wavelengths.

**New AX (Anti-reflection Xpand) Coating**
A new revolutionary AX Coating is accomplished through Tamron’s proprietary deposition technology that addresses the difficulty of applying uniformed coating using existing technology. Now the coating can be applied uniformly edge to edge, even if the convex surface has a strong curvature. As a result, the reflectance and color rendition at the peripheral part of the element is the same as the center. The new AX Coating, which is especially effective for wide-angle lenses that tend to let in harmful light from peripheral areas, effectively minimizes ghosting and provides outstanding uniform image clarity.
IF (Internal Focusing) System

IF provides numerous practical benefits to photographers including a non-rotating front filter ring that facilitates the positioning of polarizing and graduated filters, and more predictable handling because the lens length does not change during focusing. Even more important, Tamron IF system provides a much closer MCO (Minimum Object Distance) throughout its entire focusing range. In addition, IF improves optical performance by minimizing illumination loss at the corners of the image field (fringing), and helps to suppress other aberrations that become more troublesome at different focusing positions.

ZL (Zoom Lock) Feature

Another original Tamron mechanical engineering concept, ZL is a simple convenience feature that prevents undesired extension (creep) of the lens barrel when carrying the camera/lens unit on a neck strap. This enhances responsiveness in the field and helps protect the lens.

FLEX ZOOM LOCK Mechanism

This mechanism quickly locks or unlocks the zoom at any position simply by sliding the zoom ring. Photographers can shoot from any angle without the zoom extending unintentionally.

*IF 150-500mm G2 (Model A022) exclusive

Multiple-Cam Mechanism for Smooth, Stable Zooming and Precise Focusing at All Focal Lengths

The manufacture of compact, high-quality, all-in-one zoom lenses became a reality only when Tamron perfected a lens chassis that permitted stable and smooth extension of the lens barrel. The “Multiple-Cam Zoom Mechanism” is an original Tamron design that makes it possible to convert a single cylindrical surface using high-tech mechanical machinery. This key component enables zoom lens barrels to be extended and retracted effortlessly, achieving commendably compact dimensions at the wide-angle settings, while holding precise extension at telephoto settings.

Integrated Focus Cam Design for Optimizing Internal Focusing

Tamron’s Integrated Focus Cam is a precise mechanical component that optimizes the coordinated movement of the IF system with the Multiple-Cam Zoom Mechanism. This ingenious Focus Cam is designed to ensure seamless and precise positioning of all the highly sophisticated internal elements within the lens and coordinate them with the convenient external zoom and focus controls that comprise the user interface.

Engineering Plastics Technology

To insure the highest levels of performance and durability without adding additional weight, Tamron all-in-one zoom lenses make extensive use of engineering plastic materials in many critical mechanical components of the lens. Tamron has developed advanced proprietary methods for manufacturing these advanced polycarbonate materials to a very high degree of precision, and repeated tests have confirmed their long-lasting properties and dimensional stability under the toughest conditions. Indeed, polycarbonate of this caliber is the material of choice whenever we produce high-precision components that require the strength to withstand rigorous use.

Different Angles of View with Different Focal Lengths

Taken with a full-frame camera

- 10mm (Equivalent to 16mm)
- 24mm (Equivalent to 35mm)
- 50mm (Equivalent to 75mm)
- 70mm (Equivalent to 105mm)
- 100mm (Equivalent to 150mm)
- 200mm (Equivalent to 320mm)
- 300mm

Taken with an APS-C size digital camera

- 15mm (Equivalent to 23mm)
- 35mm (Equivalent to 53mm)
- 50mm (Equivalent to 75mm)
- 70mm (Equivalent to 105mm)
- 100mm (Equivalent to 150mm)
- 200mm (Equivalent to 320mm)
- 300mm

Introducing “VC” — Tamron’s Unique Vibration Compensation Mechanism

Tamron’s unique VC (Vibration Compensation) mechanism uses a proprietary actuator and algorithms to deliver an extremely stable viewfinder image with excellent tracking. The mechanism uses a three-cell system to electromagnetically drive the lens element that compensates for vibration, which glides smoothly on three balls with little friction. This simple mechanical structure is one of the secrets to Tamron’s compact lenses.

HLD (High/Low torque-modulated Drive)

The AF drive system uses Tamron’s exclusive HLD motor. This energy-saving HLD motor generates outstanding drive torque, so focusing is precise and quiet. Because of its small size and arched shape, the HLD motor doesn’t take up much space, which meant the lens could be designed to be even more compact.

PZD (Piezo Drive)

An exclusive Tamron innovation, PZD is an advanced ultrasonic, AF motor based on the latest piezoelectric technology—the standing wave principle. It utilizes high-frequency voltage to turn a ceramic piezoelectric element with a wobbling effect, causing the metal tip at the rotor’s contact point to rotate elastically, thereby turning the rotor to focus the lens swiftly, silently, and with great precision. Standing wave ultrasonic motors like the one used in Tamron’s innovative PZD have a number of advantages. They’re smaller and lighter and also provide faster and quieter operation than DC motors for improved AF performance. Compared with their predecessors, their actuator system allows for greater flexibility in lens design, reducing the overall size and weight of the lens.

USD (Ultrasonic Silent Drive)

USD is an ingeniously upgraded AF drive system developed by Tamron to deliver the extraordinary autofocusing speed and precision needed to capture every nuance of high-speed sports action, along with virtually noiseless operation as required for discreet picture taking. Based on advanced motor technology that precisely controls the angle of rotation. A sensor continuously determines the lens’s current focus setting, achieving quick and precise focusing. This also allows videographers to keep moving objects in focus effortlessly, achieving commendably compact dimensions at the wide-angle settings, while holding precise extension at telephoto settings.

OSD (Optimized Silent Drive)

The newly developed OSD module achieves silent focusing. This makes the lens ideal for situations in which absolute silence is needed during photography. The AF also reacts very quickly and focuses precisely. This is noticeable, for example, when tracking a subject: the photographer will never miss the perfect moment when shooting fast-moving subjects.

RXD (Rapid eXtra-silent stepping Drive) Motor

The AF system is based on a RXD stepping motor with a drive element that precisely controls the angle of rotation. A sensor continuously determines the lens’s current focus setting, achieving quick and precise focusing. This also allows videographers to keep moving objects in focus effortlessly, achieving commendably compact dimensions at the wide-angle settings, while holding precise extension at telephoto settings.

Fluorine Coating

Fluorine Coating was developed for optical systems in industrial production. It provides long-term protection to the front lens against oil and water. Any soiling won’t stick to the surface - you will be able to wipe it easily.

Moisture-Proof and Dust-Resistant Construction

Moisture-Proof and Dust-Resistant Construction has been improved to an exceptionally high standard in lens protection, preventing any intrusion of dirt, dust, or sand into the lens. A rubber seal protects each switch on the lens and sealing member is applied to the mechanical interface between the focus ring and the lens housing. The construction further expands opportunities for shooting, ensuring reliability even in harsh, windy conditions and immediately after rainfall.

Moisture-Resistant Construction

For greater protection when shooting outdoors, leak-resistant seals throughout the lens barrel help protect your equipment.
28-75mm F/2.8 Di III RXD

Find exciting new ways to express yourself! High sharpness and soft background blur make for true-to-life results.

Compact and light – ideal for mirrorless camera systems

The 28-75mm F/2.8 (Model A036) is incredibly light and easy to handle, with a weight of just 550g and a length of just 117.8mm. Its compact optical construction has been specially developed for high-resolution cameras without compromising with the aperture size.

Creative bokeh and impressive night shots

For a 28mm focal length, the MOD is just 0.19m, which allows for incredible close-up shots with an image ratio of 1:2.9 with a dynamic wide-angle perspective. At 75mm, the photographer can get up to 0.39m away from the subject, which can create attractive background blur.

Extremely precise and quiet AF

The AF system works with an extra-quiet RXD stepping motor. A sensor continuously determines the lens’s current focus setting, achieving quick and precise focusing that also allows videographers to keep moving objects in focus continually.

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Extremely precise and quiet AF

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Get an MOD of 0.19m at a wide-angle setting

Focal length: 28mm, Exposure: F/22 30sec., ISO: 200

* Sample image of deformation effects by wide angle close-up shooting

The Model A036 is a fast standard zoom lens developed for mirrorless system cameras. It combines high image quality with attractive background blur (bokeh). Special glass elements, such as an XLD lens, prevent imaging errors and ensure a high-resolution across the entire focal length range.

Standard zoom

Get an MOD of 0.19m at a wide-angle setting

Focal length: 28mm, Exposure: F/22 30sec., ISO: 200

* Sample image of deformation effects by wide angle close-up shooting

The Model A036 is a fast standard zoom lens developed for mirrorless system cameras. It combines high image quality with attractive background blur (bokeh). Special glass elements, such as an XLD lens, prevent imaging errors and ensure a high-resolution across the entire focal length range.
The second generation of Tamron's ultra wide-angle zoom lens offers outstanding image quality. The use of XGM and LD lens elements almost completely suppresses the typical aberrations seen with wide-angle lenses. The AX Coating, newly developed by Tamron, sets new standards in reducing ghost images and blind spots.

Optical Construction: 18 elements in 13 groups
Filter Size: N/A
Length: 142.5mm (5.6in)
Weight: 1.10kg (38.8oz)
Minimum Object Distance: 0.28m (11in)
17-35mm F/2.8-4 Di OSD

The most compact and lightest ultra wide-angle zoom in its class.* Experience the best balance between image quality and convenience.

Advanced coating for high image quality
Strong backlight often leads to unwanted reflections in wide-angle lenses. In the 17-35mm, scattered light and ghost images are effectively prevented by a sophisticated BBAR Coating.

OSD AF – quick, precise and noiseless
Thanks to the new OSD technology, the AF is extra quiet. The precision and speed of focusing, even when tracking with AF, has also been significantly improved.

Circular aperture for soft bokeh
The seven aperture blades are configured so that the aperture keeps its circular shape for up to two stops. Bright points of light in the background are shown as beautifully soft circles.

The BBAR Coating effectively controls ghosting and flare

With the total length of 90mm and a weight of 460g, the 17-35mm F/2.8-4 (Model A037) is the smallest and lightest lens in its class.* The optical construction includes 15 elements in 10 groups, including four LD and two GM elements, which help largely correct distortion and other optical aberrations. The lens casing is sealed against the weather and the front lens is additionally protected with a Flourine Coating.

Optical Construction: 15 elements in 10 groups
Filter Size: ø77mm
Length: 90.0mm
Weight: 460g (16.2oz)
Minimum Object Distance: 0.28m (11in)

* Among ultra-wide angle zoom lenses using an F-stop faster than F/4 for 35mm full size DSLR cameras. As of July 2018: Tamron
SP 24-70mm F/2.8 Di VC USD G2

Sophisticated design, outstanding performance and the best image quality - Your photography will be a dream with this standard zoom lens.

The latest generation of our fast-aperture standard zoom, with the most advanced features, built for professional requirements and the latest generation of high-resolution DSLR cameras. A lens for anyone who doesn’t want to compromise on their equipment or image quality.

Tamron’s eBAND and BBAR Coatings successfully and substantially curb the ghosting and flare that occur when photographing backlit subjects.

Standard zoom / Telephoto zoom

SP 70-200mm F/2.8 Di VC USD G2

The next generation of fast telephoto lenses, with faster AF and VC image stabilization for the highest performance and best image quality.

The SP 70-200mm F/2.8 G2 (Model A025) telephoto zoom lens reimagines the highly acclaimed Model A009 with enhanced optical performance, improved VC, faster AF speed and accuracy, and shortened MOD of 0.95m for greater flexibility. What’s more, compatibility with Tamron tele converters provides additional focal length.

50-megapixel portrait picture made with the Model A025. Highest optical performance achieved with use of the VC image stabilization. (Focal length: 200mm, Exposure: F/2.8, 1/2000 sec., ISO: 125)
18-400mm F/3.5-6.3 Di II VC HLD

The world’s first 22.2x ultra-telephoto all-in-one zoom

The 18-400mm F/3.5-6.3 (Model B028) is the world’s first lens for APS-C DSLR cameras that covers focal lengths from 18mm to 400mm, achieving a zoom factor of 22.2x. This megazoom is therefore suitable as a universal lens, ideal for traveling and daily use.

High-precision AF and compact construction

The new, energy-saving HLD motor generates outstanding drive torque to allow precise and quiet focusing. The lens was designed to be even more compact and lightweight, so it takes up less space with its smaller size.

Maximum sharpness thanks to VC image stabilization

The tried and tested VC image stabilization technology supports photographers in taking sharp and shake-free pictures in any situation — whether in low-light conditions or with extreme free-hand super-telephoto shots.

Focal length comparison: 18-400mm Di II VC HLD

Equivalent to 22.2x magnification of the subject

The high-quality lenses guarantee sharp photos and beautiful bokeh.

The VC image stabilization provides for sharp pictures, even in low-light conditions.

The Model B028 all-in-one zoom lens from Tamron offers limitless photography fun. With a focal length range from 28mm to 620mm converted for 35mm format, no subject will be too elusive. Despite the impressive 22.2x zoom, the lens is surprisingly compact, with a length of 121.4mm and a weight of just 705g.
Tamron, the pioneer of all-in-one zooms with a track record of developing revolutionary lenses introduces the ultimate all-in-one zoom lens. The lens covers a wide focal range from 16mm at the wide end to 300mm at the super-telephoto end while maintains a compact body size. The MOD of 0.39m also makes it ideal for macro photography.

**16-300mm F/3.5-6.3 Di II VC PZD MACRO**

Tamron, the pioneer of all-in-one zooms with a track record of developing revolutionary lenses introduces the ultimate all-in-one zoom lens. The lens covers a wide focal range from 16mm at the wide end to 300mm at the super-telephoto end while maintains a compact body size. The MOD of 0.39m also makes it ideal for macro photography.

**18-200mm F/3.5-6.3 Di II VC**

An all-in-one zoom lens covering the versatile 18-200mm focal range. The lightest weight in the world* has been achieved despite the built-in VC image stabilization, and with the latest optical design, the lens produces exceptional rendering performance.

*Among 18-200mm interchangeable lenses for APS-C DSLR cameras with O.I.S. (As of January 2018. Source: Tamron)

**18-270mm F/3.5-6.3 Di II VC PZD**

This all-in-one zoom lens covers a wide focal range from 18mm at the wide end to 270mm at the telephoto end, and produces sharp and clear image quality. Tamron’s VC image stabilization reduces image blur caused by camera shake to deliver sharp images even when shooting handheld in low-light or at the telephoto end.

**28-300mm F/3.5-6.3 Di VC PZD**

With the use of specialized glass elements including molded-glass aspherical lenses, high rendering performance has been achieved while reducing lens size. The VC image stabilization corrects for camera shake that tends to occur under low-light conditions and at the telephoto end, enabling comfortable hand-held shooting.

**14-150mm F/3.5-5.8 Di III for Micro Four Thirds System**

This lens incorporates molded-glass aspherical elements, LD and other specialized glass elements for excellent correction of different aberrations to achieve stellar imaging performance.

**18-200mm F/3.5-6.3 Di III VC**

for mirrorless interchangeable-lens cameras (APS-C format) : Canon, Sony

This all-in-one zoom lens incorporates the VC image stabilization and a low-noise stepping motor for autofocus mechanism. Enjoy a more comfortable video shooting experience, with expanded shooting options.

* This lens cannot be used with any digital SLR camera with a built-in mirror box or with any SLR camera for 35mm film.

* The Sony version of this model complies with the E-mount specifications. It has been developed after disclosure of the basic specifications of the E-mount from Sony Corporation.

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**Optical Construction**

- 17 elements in 13 groups
- 18 elements in 13 groups
- 16 elements in 12 groups
- 16 elements in 13 groups
- 19 elements in 15 groups

**Filter Size**

- ø62mm
- ø67mm
- ø62mm
- ø62mm
- ø67mm

**Length**

- 96.7mm (3.8in)
- 80.4mm (3.2in)
- 99.5mm (3.9in)
- 94.1mm (3.7in)
- 96mm (3.8in)

**Weight**

- 460g (16.2oz)
- 285g (10.1oz)
- 540g (19.0oz)
- 400g (14.1oz)
- 540g (19.0oz)

**Minimum Object Distance**

- 0.5m (19.7in)
- 0.5m (19.7in)
- 0.49m (19.3in)
- 0.49m - 0.77m (19.3in - 30.3in)
- 0.49m (19.3in)
70-210mm F/4 Di VC USD

Outstanding optical performance over the entire range of focal lengths and, with an image ratio of 1:3.1, the best magnification in this lens class.*

With the development of the 70-210mm F/4 (Model A034), Tamron has drawn on its long and wide-ranging expertise in the construction of telephoto lenses. The result is a compact telephoto with excellent optical performance for shots with very high-resolution and an excellent contrast ratio. The large F/4 aperture across the entire focal length range allows precise control of the depth of field and a beautiful bokeh effect.

With a category-leading magnification ratio of 0.32x, this telephoto zoom lens achieves a MOD of just 0.95m. Get closer to your subjects and feel the freedom of shooting.

Optical Construction : 20 elements in 14 groups
Filter Size : ø67mm
Length : 174mm (6.8in)
Weight : 850g (30oz)
Minimum Object Distance : 0.95m (37.4in)

100-400mm F/4.5-6.3 Di VC USD

Extremely portable, with a highly responsive AF

Now you can seize the moment with lasting effect.

The Tamron 100-400mm F/4.5-6.3 Di (Model A035) is a highly portable, ultra-telephoto zoom lens with AF precision for shooting instantaneous movement with the utmost clarity. With this effectively positioned, LD lens element, aberrations typical with many telephoto lenses are a thing of the past. Tamron’s proprietary eBAND Coating suppresses reflections, yielding vivid images of amazing clarity.

Excellent AF performance meets enhanced VC

Optical Construction : 17 elements in 11 groups
Filter Size : ø67mm
Length : 196.5mm (7.7in)
Weight : 1,115g (39.3oz)
Minimum Object Distance : 1.5m (59.0in)
Ultrasonic zoom/Telephoto zoom

**SP 70-300mm F/4.5-6.3 Di VC USD**

This lens is developed by substantially enhancing the features of the popular SP 70-300mm F/4-5.6 Di VC USD (Model A005). With the external design completely revamped, a Fluorine Coating with outstanding durability is applied to the front element surface of the lens. Improvements have also been achieved in AF speed and responsiveness and VC image stabilization functions.

**Features**
- Di
- SP
- VC
- USD
- FLR
- LD
- XLD
- IF
- DMPU

**Model**
- SP 70-300mm F/4-5.6 Di VC USD

**Optical Construction**
- 17 elements in 12 groups

**Filter Size**
- ø62mm

**Length**
- 142.7mm (5.6in)

**Weight**
- 765g (27.0oz)

**Minimum Object Distance**
- 1.5m (59.0in) (0.95m macro)

**AWARDS**
- 2017

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**SP 150-600mm F/5-6.3 Di VC USD G2**

The ultra-telephoto zoom lens means you are never too far away to get a great close-up of your subject. The second generation of the SP 150-600mm has a high-first-class optical performance, and the AF and VC image stabilization have been improved even further. The front lens has a Fluorine Coating and the entire housing is protected against splashing water and dust.

**Features**
- Di
- SP
- VC
- USD
- eBAND
- MR
- LL
- OF
- ZL
- IF
- DMPU

**Model**
- SP 150-600mm F/5-6.3 Di VC USD G2

**Optical Construction**
- 21 elements in 13 groups

**Filter Size**
- ø95mm

**Length**
- 257.7mm (10.1in)

**Weight**
- 1,990g (70.2oz)

**Minimum Object Distance**
- 2.2m (86.6in)

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**AF70-300mm F/4-5.6 Di LD MACRO**

The 1:2 macro function telephoto lens is the ideal addition to a standard lens. This model combines high mechanical quality with outstanding optical properties. The macro switch-over mechanism at focal ranges 180-300mm lets the photographer photograph the subject from just 0.95m away.

**Features**
- Di
- SP
- VC
- USD
- FLR
- LD
- XLD
- IF
- DMPU

**Model**
- AF70-300mm F/4-5.6 Di LD MACRO

**Optical Construction**
- 20 elements in 13 groups

**Filter Size**
- ø95mm

**Length**
- 257.8mm (10.1in)

**Weight**
- 1,951g (68.8oz)

**Minimum Object Distance**
- 2.7m (106.3in)

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**SP 70-300mm F/4.5-6.3 Di VC USD**

This compact telephoto lens is the first choice for photo enthusiasts wanting to capture far-away subjects full-size in a photo. Equipped with VC image stabilization and USD autofocus, you can take sharp, lively photos in a variety of situations. XLD and LD glass elements help reduce optical image defects.

**Features**
- Di
- SP
- VC
- USD
- FLR
- LD
- XLD
- IF
- DMPU

**Model**
- SP 70-300mm F/4-5.6 Di VC USD

**Optical Construction**
- 17 elements in 12 groups

**Filter Size**
- ø62mm

**Length**
- 142.7mm (5.6in)

**Weight**
- 765g (27.0oz)

**Minimum Object Distance**
- 1.5m (59.0in) (0.95m macro)

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**SP 150-600mm F/5-6.3 Di VC USD**

With a length of just 196mm, this lens is one of the most compact 70-200mm telephotos. Despite its modest dimensions, it is fast and has high sharpness and resolution. The MOG of just 0.95m means you can take close-up shots with a magnification of 1:3.1.

**Features**
- Di
- SP
- VC
- USD
- FLR
- LD
- XLD
- IF
- DMPU

**Model**
- SP 150-600mm F/5-6.3 Di VC USD
10-24mm F/3.5-4.5 Di II VC HLD

The new generation of a Tamron classic. This ultra wide-angle zoom lens offers fantastic perspectives and a huge wide angle.

This ultra wide-angle zoom lens for APS-C DSLR cameras offers the finest of all Tamron worlds: best-in-class. *10-24mm focal length range (the 35mm equivalent of 16-37mm), the compact size of our previous Model B001, plus vastly improved optical performance. It also includes state-of-the-art Tamron technology like VC image stabilization, a HLD, Fluorine Coating, and Moisture-Resistant Construction.

**Focal length comparison: 10-24mm F/3.5-4.5 Di II VC HLD**

**10mm (16mm**) 24mm (37mm**)**

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**SP AF28-75mm F/2.8 XR Di II LD Aspherical [IF] MACRO**

A fast standard zoom lens delivering high image quality, balancing a compact form with the exceptional image performance that comes from ensuring uniform light intensity across the entire frame and a constant F/2.8 aperture.

**SP AF17-50mm F/2.8 XR Di II VC LD Aspherical [IF]**

Enjoy wielding a high-quality, high-performance fast standard zoom lens with a constant F/2.8 aperture equipped with VC image stabilization. Unleash your photographic freedom with the ability to easily shoot hand-held, even in low-light.

**SP AF17-50mm F/2.8 XR Di II LD Aspherical [IF]**

An extremely compact fast standard zoom lens that combines astounding image quality with superior versatility and cost effectiveness. Enjoy the beautiful rendering of scenes unique to a constant F/2.8 aperture lens.

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* Among ultra wide-angle zoom lenses for APS-C DSLR cameras (As of January 2018, Source: Tamron)
** Focal length is 16-37mm equivalent in small image format.
**SP 35mm F/1.8 Di VC USD**

A fast-aperture 35mm extremely high-quality prime lens, with the built-in VC image stabilization and USD motor. Thanks to the world’s shortest* MOD in this lens class, at 0.2m, you can take pictures that have the look of macro shots. The lens is properly protected against splashing water and the front lens can be cleaned easily thanks to Fluorine Coating.

* In comparison with currently available 35mm prime lenses for DSLR with full-format sensors, excluding macro lenses. (As of July 2015, Source: Tamron)

**SP 45mm F/1.8 Di VC USD**

Advanced optical design and use of special glass elements, including aspherical lenses and LD elements, are what make this excellent lens stand out. It is the first* standard prime lens for full-format DSLRs in the world to be equipped with an image stabilization, and the first lens of its class** with a MOD of just 0.29m. Like all models in the SP series, it also has exceptionally high built quality.

* As of July 2015, Source: Tamron

**SP 85mm F/1.8 Di VC USD**

This fast-aperture compact prime lens is ideally suited for demanding portrait shots with natural-looking proportions and colours. It is the first* 85mm F/1.8 lens in the world with integrated image stabilization. Its features include an excellent resolution and dreamy bokeh. An XLD and an LD glass element ensure consistently high imaging performance over the entire image area.

* In comparison with currently available 85mm F/1.8 prime lenses for DSLR with full-format sensors, excluding macro lenses. (As of January 2016, Source: Tamron)

**SP 90mm F/2.8 Di MACRO 1:1 VC USD**

We have used the most advanced technologies to really make this superb SP prime lens stand out. It carries the heritage of Tamron’s legendary series of 90mm macro lenses into the future. The VC image stabilization is supported by XY-Shift compensation, which dramatically widens the range of applications. The housing is also protected against damp and dust, while Fluorine Coating makes cleaning the lens a breeze.

**SP AF90mm F/2.8 Di MACRO 1:1**

This tried and tested version of Tamron’s classic 90mm macro lens is the ideal universal lens for ambitious photographers. The optical construction includes 10 elements in 9 groups, making for excellent imaging performance. The MOD is just 0.29m, so you can photograph even small objects at an image ratio of 1:1.

**SP AF60mm F/2 Di II LD [IF] MACRO 1:1**

This lens offers a special look at the subtleties in nature. You can use it to project your subjects life-size (1:1 image ratio) onto the sensor at a distance of 0.23m. The high-speed and fast-aperture will give you wonderful blur effects and sharp photos without a tripod, even in low-light.

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Fixed focal / Macro
## Accessories

<table>
<thead>
<tr>
<th>Lens</th>
<th>TAP-in Console</th>
<th>Teleconverter</th>
<th>Tripod mount</th>
<th>Tripod mount included</th>
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<td>10-24mm F3.5-4.5 Di II VC HLD</td>
<td>-</td>
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<tr>
<td>SP 15-30mm F2.8 VC USD G2</td>
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<tr>
<td>17-35mm F2.8-4 Di OSD</td>
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<tr>
<td>18-400mm F3.5-6.3 Di II VC HLD</td>
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<tr>
<td>SP 24-70mm F2.8 Di VC USD G2</td>
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<tr>
<td>SP 70-200mm F2.8 Di VC USD G2</td>
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<tr>
<td>SP AF70-300mm F/2.8 Di LD [IF] MACRO</td>
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<tr>
<td>70-210mm F4 Di VC USD</td>
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<tr>
<td>150-400mm F4.5-6.3 Di VC USD</td>
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<tr>
<td>SP 150-600mm F5-6.3 Di VC USD G2</td>
<td>-</td>
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<tr>
<td>SP 150-600mm F5-6.3 Di VC USD</td>
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<tr>
<td>SP AF70-300mm F/2.8 Di LD [IF] MACRO</td>
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<tr>
<td>35mm F/1.8 Di VC USD</td>
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<tr>
<td>45mm F/1.8 Di VC USD</td>
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<tr>
<td>85mm F/1.8 Di VC USD</td>
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<td>-</td>
</tr>
<tr>
<td>90mm F/2.8 Di MACRO 1:1 VC USD</td>
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</tbody>
</table>

### TAP-in Console™ – Individually configure your Tamron lens

Photographers can use the TAP-in Console to configure selected Tamron lenses for their own needs. This means, for example, that you can update the firmware on your lens using your own computer and configure it in other ways that were previously only possible on-location via Tamron services. The parameters that are individually configurable include (depending on the lens): Focus adjustment, setting the focus limiter, optimization of the manual focus function and calibration of the VC image stabilization.


### Teleconverter

The TC-X14 and TC-X20 teleconverters allow the focal length of compatible Tamron lenses to be extended by the factors 1.4x or 2.0x. The high imaging performance of the lens remains unaffected.

with TC-X14 (1.4x)

with TC-X20 (2.0x)

### Tripod mount

A new textured grip and ARCA-SWISS compatible tripod interface enhance both speed and utility. And because the tripod mount is made of lightweight magnesium, it is much easier to carry.

*SP AF70-300mm (Model A001) and SP 150-600mm (Model A011) are not ARCA-SWISS compatible.


**Lens Specifications**

### Di for Digital SLR cameras with full-format and APS-C sensor

<table>
<thead>
<tr>
<th>Model</th>
<th>Focal Length (mm)</th>
<th>Max. Aperture</th>
<th>Focal Ratio</th>
<th>Angle of View</th>
<th>Diaphragm</th>
<th>Weight (grams)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP 15-30mm F/3.5–4 Di VC USD G2</td>
<td>15–30</td>
<td>3.5-4</td>
<td>3.5-4</td>
<td>75°-45°</td>
<td>14-11</td>
<td>0.45 (15.3)</td>
</tr>
<tr>
<td>SP 17-50mm F/2.8 Di III VC</td>
<td>17-50</td>
<td>2.8</td>
<td>2.8</td>
<td>108°44'–60°20'</td>
<td>22-12</td>
<td>0.39 (15.3)</td>
</tr>
<tr>
<td>SP 28-75mm F/2.8 Di III RXD</td>
<td>28-75</td>
<td>2.8</td>
<td>2.8</td>
<td>108°44'–60°20'</td>
<td>22-12</td>
<td>0.39 (15.3)</td>
</tr>
</tbody>
</table>

**Notes**

- **Notes on model B011**
  - When using the AFS mode (Continuous AF) with 18-200mm Di III VC, please note:
    - As an alternative to the situation described above, the focus mode can be set to Single-Servo AF (S-AF) or Manual Focus (MF).
    - Even if the camera is set to Single-Servo AF (S-AF), the focus mode may still be set to Continuous AF (C-AF) or Manual Focus (MF).
    - Be careful if the camera shows an error message or if the LCD monitor goes dark. If this occurs, please take the following actions:
      - Switch the camera off.
      - Ensure there is no dirt or oil on the signal contacts in the lens and/or the camera.
      - If the problem continues, switch the camera off and remove the battery. Reinsert the battery and switch the camera back on.

### Di II for Digital SLR cameras with APS-C sensor

<table>
<thead>
<tr>
<th>Model</th>
<th>Focal Length (mm)</th>
<th>Max. Aperture</th>
<th>Focal Ratio</th>
<th>Angle of View</th>
<th>Diaphragm</th>
<th>Weight (grams)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP 10-24mm F/3.5-4.5 Di II HL</td>
<td>10-24</td>
<td>3.5-4.5</td>
<td>3.5-4.5</td>
<td>84°04'–34°21'</td>
<td>22-9</td>
<td>0.29 (11.4)</td>
</tr>
<tr>
<td>SP 16-35mm F/2.8-4 Di II VC MACRO 1.4</td>
<td>16-35</td>
<td>2.8-4</td>
<td>2.8-4</td>
<td>78°45'–31°11'</td>
<td>19-14</td>
<td>0.38 (13.8)</td>
</tr>
<tr>
<td>SP 17-50mm F/2.8 Di II VC MACRO [IF]</td>
<td>17-50</td>
<td>2.8</td>
<td>2.8</td>
<td>84°04'–34°21'</td>
<td>22-9</td>
<td>0.29 (11.4)</td>
</tr>
<tr>
<td>AF 28–75mm F/2.8 Di III RXD</td>
<td>28–75</td>
<td>2.8</td>
<td>2.8</td>
<td>108°44'–60°20'</td>
<td>22-12</td>
<td>0.39 (15.3)</td>
</tr>
</tbody>
</table>

**Notes**

- **Notes on model B011**
  - When using the AFS mode (Continuous AF) with 18-200mm Di III VC, please note:
    - As an alternative to the situation described above, the focus mode can be set to Single-Servo AF (S-AF) or Manual Focus (MF).
    - Be careful if the camera shows an error message or if the LCD monitor goes dark. If this occurs, please take the following actions:
      - Switch the camera off.
      - Ensure there is no dirt or oil on the signal contacts in the lens and/or the camera.
      - If the problem continues, switch the camera off and remove the battery. Reinsert the battery and switch the camera back on.

### H for mirrorless system cameras

<table>
<thead>
<tr>
<th>Model</th>
<th>Focal Length (mm)</th>
<th>Max. Aperture</th>
<th>Focal Ratio</th>
<th>Angle of View</th>
<th>Diaphragm</th>
<th>Weight (grams)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14-150mm F/3.5-5.6 Di III</td>
<td>14-150</td>
<td>3.5-5.6</td>
<td>3.5-5.6</td>
<td>84°04'–34°21'</td>
<td>21-9</td>
<td>0.59 (20.1)</td>
</tr>
<tr>
<td>18-200mm F/3.5-5.6 Di III VC</td>
<td>18-200</td>
<td>3.5-5.6</td>
<td>3.5-5.6</td>
<td>84°04'–34°21'</td>
<td>21-9</td>
<td>0.59 (20.1)</td>
</tr>
</tbody>
</table>

**Lens hoods**

- **Indicates a flower-shaped hood**
- **Indicates a round-shaped hood**

All Tamron lenses are supplied with a lens hood as standard that is made to fit for the specific lens. This lens attachment prevents lateral light entering the lens and thereby minimizes the risk of dispersion and ghost images on the outside of the lens harming the quality of the image. On lenses with IF (Internal Focusing), the lens hood is somewhat longer and is tulip-shaped, preventing shadowing in the corners of the picture.

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**Notes**

- **Conversion adapter** indicates a flower-shaped hood.
- **Conversion adapter** indicates a round-shaped hood.

All Tamron lenses are supplied with a lens hood as standard that is made to fit for the specific lens. This lens attachment prevents lateral light entering the lens and thereby minimizes the risk of dispersion and ghost images on the outside of the lens harming the quality of the image. On lenses with IF (Internal Focusing), the lens hood is somewhat longer and is tulip-shaped, preventing shadowing in the corners of the picture.
Photographic Lenses
Interchangeable lenses broaden photographic expression. Tamron employs its advanced technological capabilities to develop lenses with creative specifications, superior rendering capabilities and designs that are compact, lightweight and easy to operate. Among these offerings, our all-in-one zoom lenses that cover a wide range of focal length from wide angle to telephoto in one lens, and our highest-grade SP (Superior Performance) series have won numerous prestigious awards and earned an excellent reputation among photographers and photography enthusiasts around the world.

Surveillance Camera Lenses / FA and Machine Vision Lenses
Tamron has continued to develop surveillance camera lenses to meet the precise needs of the market, evidenced by its pioneering development of var-focal lenses in the industry. We also develop and manufacture lenses for Machine Vision cameras used in the industrial sector. With our extensive lineup and advanced technological capabilities, we cater to the needs of customers while supporting the development of a safe and secure society.

Long Wavelength Infrared (LWIR) Lenses
Incorporating technologies that use wavelengths invisible to the naked eye, lenses for LWIR cameras are in growing demand for surveillance to prevent facility intrusions, anomaly detection for equipment, and so on. Utilizing the expertise it has developed to date, Tamron has developed LWIR camera lenses equipped with an optical VC (Vibration Compensation) system. We boast a vast lineup of high-value added lenses designed for a wide range of usage environments and equipment, including large aperture and compact lenses.

Camera Module
In addition to lenses, Tamron utilizes the technologies and know-how it has amassed in the security market to develop Ultra-Compact Camera Module equipped with a revolutionary optical VC (Vibration Compensation) mechanism. Despite being fitted with damping technologies to control vibrations during recording, they are surprisingly compact and lightweight. Customizable to suit various uses, our camera modules have earned high marks from a wide range of markets.

Camcorder Lenses / Digital Still Camera Lenses
Leveraging technologies and expertise cultivated over many years together with leading-edge technologies, Tamron develops and supplies optical lens units that support image sensors with increasingly high pixel counts. Through our advanced, large-scale production system, we respond to all manner of customer needs in a flexible and speedy manner, and have earned a high degree of trust as a result.

Automotive Camera Lenses
As lawmakers enact tighter laws and regulations to ensure automotive safety and manufacturers continue to equip vehicles with advanced driving assistance systems (ADAS), vehicle-mounted cameras have become increasingly common not only for enhancing visibility but also providing sending features, resulting in the increased importance of high-performance lenses. In addition to its advanced precision optical technologies, Tamron uses its stable supply systems and through quality assurance standards to develop lenses tailored to a wide variety of automotive applications.

Device Units
Tamron has developed a range of high-precision lens components. The lineup includes various aspherical lens elements, thin film-coating products using special multilayer films, and ultra-high precision test plates that can quickly and accurately verify the profile irregularity of lens surfaces. In the area of test plates in particular, Tamron accepts orders to manufacture flat and spherical test plates that have been polished with skilled craftsmanship.

High-precision Plastic Injection Molds
To better meet diversifying market needs and speedily develop and manufacture excellent products, Tamron maintains plants for the design and production of plastic molds. The plants manufacture molds for all kinds of precision equipment and optical equipments parts. Tamron has also installed state-of-the-art machines to reinforce its development capabilities as part of efforts to drastically shorten its lead time in mold manufacturing.