

# TAMRON

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# TAMRON

LENS CATALOGUE 2017

# BUILT TO IMPRESS



# SUPER PERFORMANCE - STRIVE FOR EXCELLENCE

The lenses in our new SP Series unlock the full potential of high-resolution cameras for photographers. Advanced technologies such as VC image stabilisation, fast USD auto-focus and high-grade lens compensation ensure excellent imaging performance from every aperture. Using state of the art imaging technology, our SP technology is becoming the “creative eye” of photographers of all levels of experience.



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# EXPAND YOUR PHOTOGRAPHIC HORIZONS



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.

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

Some models cannot be used with all mounts. You can find an overview on pages 34-35. Di lenses with built-in motors for Nikon and Di II lenses have no aperture ring.

Super Performance - For discerning photographers

SP Tamron's SP Series (Super Performance) meets the highest standards in photography. The lenses are built to precise specifications to meet the demands of professional photographers, with emphasis on the highest possible build quality. Tamron doesn't compromise in quality or cost - we shoot for superior performance in every respect. The result is a range of lenses marked by impressive, innovative product design. Those looking for stellar performance need look no further than Tamron's SP lenses.

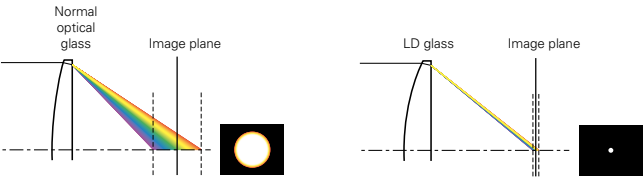


Legend - Lens construction (see lens designs in this brochure)

- Hybrid aspheric lens
- LD element
- XLD element
- AD element
- XR element
- UXR element
- Aspheric ultra-precision moulded glass

LD (Low Dispersion) Lens Element

LD LD elements reduce chromatic aberrations such as colour fringes on the contrast edges and reduced image sharpness. The cause of these optical image faults is light of different wavelengths being broken at different points. Telephoto and wide-angle focal lengths are most affected by this. LD glass has a low colour dispersion index, which causes sharper imaging. The lens element effectively minimises unwanted colour fringes.



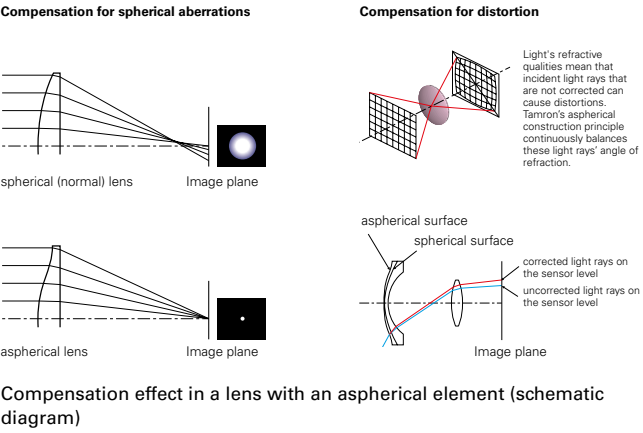
Schematic diagram of the chromatic aberration with a normal optical glass (left) and an LD glass (right)

XLD (eXtra Low Dispersion) glass

XLD XLD elements are made from high-performance optical glass with an extremely low colour dispersion index. Its refractive properties are similar to those in high-grade fluorite. This effectively prevents problematic chromatic aberrations. This means maximum image sharpness will be achieved, even at the edges of the photo.

Hybrid aspheric elements for spectacular build quality and a compact design

ASL Tamron lenses with the designation "aspherical" contain several aspheric hybrid lens elements. These are designed to all but completely remove imaging faults such as spherical aberrations in Tamron high-performance zoom lenses. A hybrid aspherical element can replace several other optical elements, contributing to a compact form factor and equally high build quality with all focal lengths and apertures. These innovative optics produce the best possible image quality in a compact form, all while retaining astonishingly large zoom ranges.

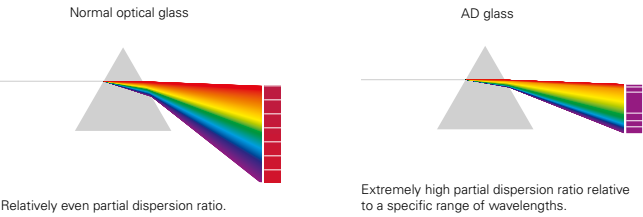


XR and UXR special glass for higher performance and more compact lens construction

XR UXR XR (eXtra Refractive Index) and UXR elements (Ultra eXtra Refractive Index) are optical glasses with a particularly high refractive index. Their properties allow a shorter overall length and therefore lighter lenses with smaller diameters, without changing the aperture size.

AD (Anomalous Dispersion) elements

AD Optical lenses with an abnormal level of dispersion make a significant contribution to reducing colour fringes (chromatic aberrations) at high light frequencies and improve overall imaging performance. The combination of AD glass elements with other lenses made from normal optical glass makes it possible to control light dispersion at specific wavelengths. Axial and lateral aberrations, which can be a particular problem when using telephoto lenses or wide-angle lenses, can be significantly reduced in this way.



Comparison of the partial dispersion factors with a normal optical glass (left) and an AD glass (schematic diagram)

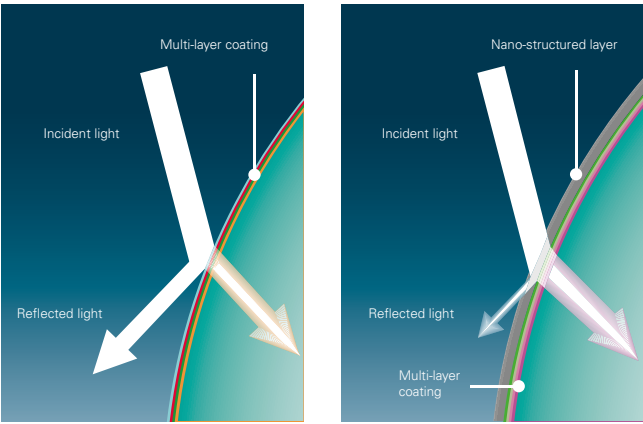


eBAND Anti-Reflex Coating

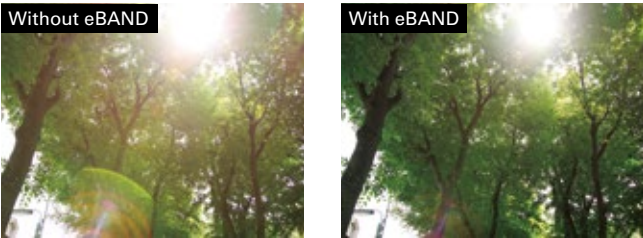
eBAND The nano-compensation process developed by Tamron allows a wafer-thin coating (1nm = 1/1,000,000mm) to be applied to the surface of the lens. The nano-structure has an ultra-low refractive index and ensures excellent anti-reflex properties in combination with the multi-layer compensation underneath. This effectively minimises undesired mirroring and ghost images.

BBAR - the key to first-class image quality

The innovative BBAR (Broad Band Anti-Reflection) multi-layer compensation from Tamron ensures that light that hits the surface of the lens is not reflected or dispersed. This means that loss of light and contrast are avoided and ghost images are prevented. BBAR multi-layer compensation also ensures the best possible colour balance, which results in natural and precise colour reproduction.

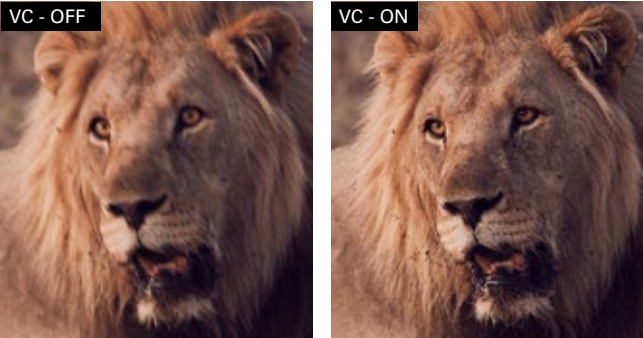


Working mechanism of Tamron's eBAND compensation (right) compared with a standard coating (schematic diagram).



Tamron's eBAND compensation effectively prevents mirror images that can occur in back lit photographs as a result of reflections on the lens surfaces inside the lens.



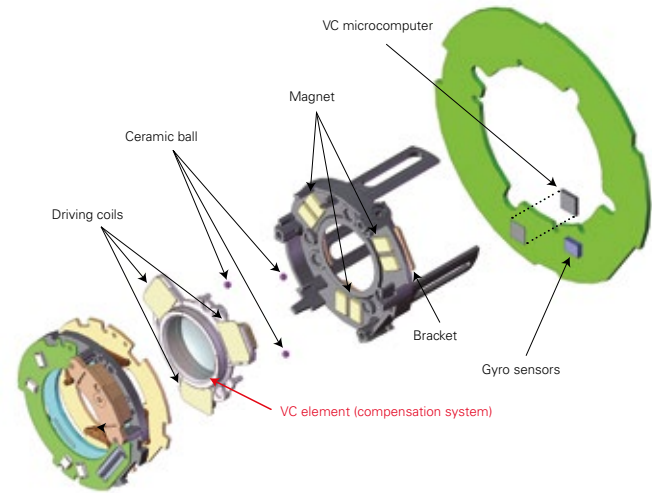


The VC image stabiliser suppresses the effects of camera movement. Both pictures were taken under the same conditions.

Vibration Compensation - The ultimate in image stabilisation, by Tamron

**VC** The VC (vibration compensation) mechanism developed by Tamron balances unwanted movement in diagonal, horizontal and vertical directions. The optical image stabilisation is controlled by highly-sensitive gyro sensors. The VC lens group utilises low-friction ball bearings, making the construction simple, effective and robust. Thanks to the VC mechanism, the photographer gains up to 4.5 f-stops when shooting by hand and gets an extremely stable viewfinder picture. Even in difficult photographic situations, you can focus all of your attention on the creative process.

**SONY\*** For a Sony mount without a VC image stabiliser, because Sony cameras already have an integrated image stabiliser.



Structure of the VC unit in model 16-300mm VC PZD

Internal focusing - Many practical advantages

**IF** Internal focusing has a range of advantages for photographers: The lens is simpler to use because the extension length does not change when focusing. The lens filter ring does not turn with the lens when focusing, which makes it easier to take photos with polarisation and graduated filters. The shortest focusing distance over the entire focus area is significantly lower. Also, loss of light at the edges of the image (vignetting) and focus-related image defects are minimised.

Zoom-lock mechanism

**ZL** The zoom-lock mechanism developed by Tamron stops the lens barrel from extending by itself when it is not being used. The lens is protected against damage and can still be attached quickly.



Multiple-cam mechanism - a stable and reliable chassis for zoom lenses

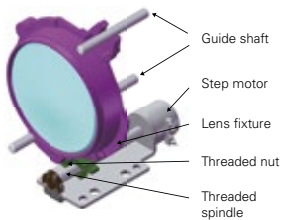
To make our compact, high-performance zoom lenses, we had to develop a lens chassis that allowed the barrel to extend evenly and smoothly. The Multiple-Cam mechanism allows several precision curves to be worked into a cylindrical surface. The mechanism allows very compact measurements for wide-angle lenses and precise extension of telephoto lenses.

Integrated Focus-Cam - Optimum Internal Focusing

The Integrated Focus-Cam System from Tamron synchronises the internal focusing movements with the Multiple-Cam mechanism. It helps to coordinate the smooth and precise positioning of all of the internal components with the external elements for zoom and focusing.

Step motor - perfect for videos

The step motor enables fine control over its rotation, as you might need, for example, for filming videos. This focusing drive works very quickly and quietly by extending without transmission gearing.



Well-protected against splashing water

**MR** “Moisture resistant” means that the lens is protected against penetration by splashing water. This is mainly visible in the seal on the fine rubber bead on the bayonet mount.

HLD meets highly precise AF

**HLD** With the new 10-24mm F/3.5-4.5 Di II VC HLD, Tamron introduces the HLD (High/Low torque-modulated Drive) AF drive system. The excellent driving power of the all-new HLD enables stable and precise focusing, even with the large focusing lens elements used on Model B023. What’s more, the Full-time Manual Focus override allows you to make fine adjustments – without having to switch from AF to MF mode.

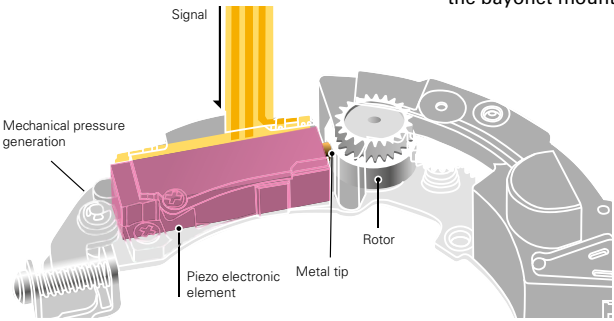


Piezo drive - fast and compact AF motor

**PZD** Tamron’s Piezo Drive (PZD) ultrasonic auto-focus motor lets us build an ultra-compact, high-performance lens. The abbreviation PZD can usually be found in the handy and simple Megazoom lenses, which cover an extraordinarily wide range of focal lengths. The motors are smaller and also benefit from fast auto-focus, high precision and almost complete lack of running noise.



The PZD ultrasonic motor is located in the rear of the lens, directly in front of the bayonet mount.



Ultrasonic Silent Drive – High-performance focusing

**USD** Ultrasonic Silent Drive (USD) auto-focus motors are used in SP lenses. These high-performance drives convert ultrasonic waves into torque, enabling highly precise, fast and almost silent focusing. The principle uses a rotor and does not require a transmission between the motor and the focus ring. This means the photographer can change the focus setting at any time without having to press a switch. This makes USD lenses well suited for fast-moving and dynamic subjects, such as in nature and sports photography.



TAP-in Console – Individual settings for your Tamron lens

Photographers can use the TAP-in Console to configure Tamron’s new SP Series for their own needs. The accessory lets them update firmware themselves using a computer for the first time, as well as adopting other configurations. Previously, this could only be done on-location at a Tamron Customer Service Centre. Depending on the lens, the individually configurable parameters include: Focus adjustment, setting the focus limiter, optimisation of the manual focus function and calibration of the VC image stabiliser.

The TAP-in Console can be used with all lenses in the new SP Series (F012, F013, F016, F017, A022 and A025). Recently added and fully compatible is the new 10-24mm F/3.5-4.5 Di II VC HLD.

Download the software here:  
<http://www.tamron.co.jp/software/en/tapin/>



Two exclusive tele converters (1.4x and 2.0x)

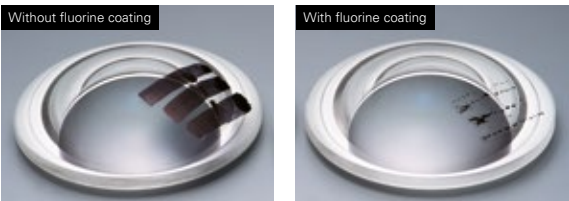
These accessories make it easy to expand the versatility of the new SP 150-600mm F/5-6.3 Di VC USD G2 (Model A022) ultra-telephoto zoom lens and the new SP 70-200mm F/2.8 Di VC USD G2 (Model A025) telephoto zoom lens. TELE CONVERTER 1.4x (Model TC-X14) increases the focal length by a factor of 1.4x, while TELE CONVERTER 2.0x (Model TC-X20) doubles the focal length.

left: TC-X14 (1.4x)  
right: TC-X20 (2.0x)



Fluorine coating

**FLR** 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 away easily.



Focal length comparison

Top row: Full-frame format  
Bottom row: APS-C format (crop factor 1.55)  
\*equivalent full-frame format







SP 70-200mm G2 - Focal length: 280 mm (200mm incl. Tamron tele converter) - Exposure: 1/4 at 1/1600 sec. - ISO 1600



**Philip Ruopp**  
Advertising- and  
Sports-photographer  
Laichlingen, Germany

## Extreme Sharpness, fascinating Detail

“As an advertising photographer, who mainly works in the field of sports and action, a fast tele-zoom is of course one of my standard lenses. The narrow angle of view condenses the depth of the scene and focuses on the essentials. I am also able to zoom in so that the subject is captured as large as possible, even if I have to photograph from a distance.

I first used the new SP 70-200mm F/2.8 Di VC USD G2 in Portugal, where I photographed surfers. Its high build quality and the haptic fascinated me right away. This tele-zoom feels really good in your hand. It is also protected against splash water and dust, which is great when you're shooting by the sea. I could simply wipe off splashes of salt water and grains of sand afterwards.

The most important features of the SP 70-200mm G2 are inside the tube. The sharpness is excellent and reminds me of pictures taken with fixed focal lengths. Every detail is captured perfectly when working with professional, high-resolution cameras. A further advantage and ideal for action shooting, when I follow an athlete with the camera is the new panning mode of the VC (Vibration Compensation). The autofocus reacts quickly. The rate of sharp results was enormous, even though the surfer often came out of a wave at the last moment.”



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



# SP 70-200mm f/2.8 Di VC USD G2

NEW

The new SP 70-200mm F/2.8 G2 (Model A025) telephoto lens reimagines the highly acclaimed Model A009 with enhanced optical and technical features.

### High resolution meets beautiful bokeh

Every aspect of the SP 70-200mm F/2.8 G2 (Model A025) zoom has been improved, providing high image quality and enhanced bokeh throughout.

### Fast auto-focus and flexible VC image stabiliser

Tamron's best-in-class VC\* image stabilisation performance is equivalent to 5 stops\*\*, according to CIPA standards. Plus, this lens offers a choice of three VC modes, including one

exclusively for panning. Now you can match the VC mode to your shooting conditions and enjoy sharp, jitter-free handheld shooting – even in low light conditions.

\* Among 70-200mm F/2.8 interchangeable lenses for full-frame DSLR cameras. (As of January, 2017. Source: Tamron.)

\*\* Using in VC MODE 3  
For Canon: 5D-MKIII is used  
For Nikon: D810 is used



Two optional teleconverters available (1.4x and 2.0x)



The tripod mount ring is ARCA-SWISS compatible and can be removed when required.



With the TAP-in Console you can update and customize your Tamron lens for your personal needs

### Extremely Sharp: SP 70-200mm f/2.8 Di VC USD G2



50-Mpx portrait picture made with the Tamron SP 70-200mm G2 (Focal length 200mm, F/2.8, 1/200 sec., ISO 125)



Selected image detail of the same picture – Highest optical performance in addition to the newest VC image stabiliser warrantys for razor sharp images

The new SP70-200mm F/2.8 G2 (Model A025) telephoto lens reimagines the highly acclaimed Model A009 with enhanced optical performance, improved VC (Vibration Compensation), faster AF speed and accuracy, and shortened MOD (Minimum Object Distance) for greater flexibility. What's more, compatibility with Tamron teleconverters provides additional focal length.

Di

SP

VC

USD

eBAND

MR

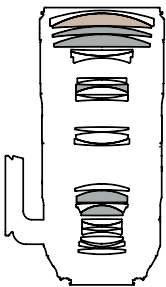
FLR

LD

CANON

NIKON

Model A025



**Technical information:**  
Elements/groups: 23/17  
Closest focusing distance: 95cm  
Filter diameter: 77mm  
Length: 193.8mm  
Weight: 1.500g



SP 70-200mm G2 · Focal length: 135 mm · Exposure: f/3.5 at 1/1250 sec. · ISO 640



# SP 150-600mm f/5-6.3 Di VC USD G2

The new generation of Tamron’s ultra-telezoom lenses. This incredible lens will win you over with its astounding optical performance and slick features.

**Premium optical construction**

The optical structure has 21 elements in 13 groups, including three LD glass elements. The closest focusing distance is just 220cm. The housing protects against dust and splashing water.

**Fast auto-focus and flexible VC image stabiliser**

Both the auto-focus performance and the VC image stabiliser have been improved in comparison with the first generation. The G2 version has three VC modes for difference applications and allows up to 4.5 levels of longer shutter speed.

**Accessories for every occasion**

Two teleconverters with 1.4x and 2.0x focal length multiplication are available for the SP 150-600mm G2. These can be used to double the zoom area to 1200mm. The ultra-telezoom is also compatible with Tamron’s TAP-in Console.



With the TAP-in Console you can update and customize your Tamron lens for your personal needs



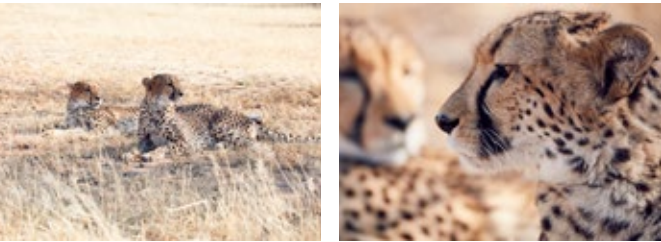
The tripod mount ring is ARCA-SWISS compatible and can be removed when required.



The FLEX ZOOM LOCK lets you fix the current zoom position quickly.



**Focal length comparison: SP 150-600mm f/5-6.3 Di VC USD G2**



The VC image stabiliser suppresses the effects of camera movement. Both pictures were taken under the same conditions.

The ultra-telezoom 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 first-class optical build and the auto-focus and VC image stabiliser have been improved even further. The front lens is equipped with fluorine cooating and the entire housing is protected against splashing water and dust.

Di

SP

VC

USD

eBAND

MR

FLR

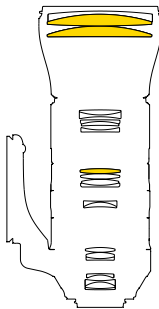
LD

CANON

NIKON

SONY\*

Model A022



**Technical information:**  
Elements/groups: 21/13  
Closest focusing distance: 220cm  
Filter diameter: 95mm  
Length: 260.2mm  
Weight: 2.010g



SP 150-600mm G2 · Focal length: 329mm · Exposure: f/6.3 at 1/400 sec. · ISO 1250



SP 150-600mm G2 · Focal length: 600mm  
Exposure: F/6.3 bei 1/320 sec. · ISO 1600



**Thomas Kettner**  
Fashion- and  
Lifestyle-photographer  
Hamburg

## The beauty and power of nature

“As a fashion and lifestyle photographer, from the beginning I’m been very excited about the versatile range of focal lengths the SP 150-600mm f/5-6.3 Di VC USD G2 offers. The zoom captures photos you don’t expect, that I couldn’t shoot with my other lenses. The enormous telephoto focal length doesn’t just bring far-away subjects into the picture in all their full-format glory, but increases the depth as well: The foreground and background look closer together - a fascinating effect that can be used creatively for lots of applications in photography.

Even with larger apertures, the pictures have an amazing sharpness and richness of detail. The new features of the VC image stabiliser mean I can take photos now in lots of situations without a tripod, and I don’t have to worry about any blurring from camera shake. If things get hectic, the new zoom lock function stops the focal length changing when I don’t want it to. The super-fast and precise auto-focus is just the icing on the cake - things like turbulence in the air don’t bother me at all any more. All of this makes the SP 150-600mm G2 ideal for capturing the lions powerful elegance in a photo.”





SP 35mm - Focal length: 35mm - Exposure: f/1.8 at 1/800 sec. - ISO 100



SP 45mm - Focal length: 45mm - Exposure: f/1.8 at 1/320 sec. - ISO 100

# SP 35mm f/1.8 Di VC USD

Ideal for demanding reportage and lifestyle photography - the wide-angle lens sets new technical standards.

A large-aperture 35mm extremely high-quality prime lens, with built-in VC image stabilisation and USD ultrasonic motor. Thanks to the world's shortest<sup>1</sup> closest focusing distance in this lens class, at 20cm, 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 compensation.

Di

SP

VC

USD

eBAND

MR

FLR

LD

XLD

CANON

NIKON

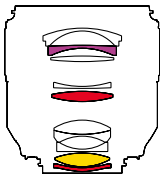
SONY\*

Model F012



The SP 35mm offers the best image quality at only a distance of only 20cm to the subject, and can therefore be characterised as a wide-angle macro lens.

<sup>1</sup> In comparison with currently available 35mm prime lenses for DSLR with full-format sensors, excluding macro lenses. As of July 2015, source: Tamron.



**Technical information:**  
Elements/groups: 10/9  
Closest focusing distance: 20cm  
Filter diameter: 67mm  
Length: 78.3mm  
Weight: 450g

# SP 45mm f/1.8 Di VC USD

A versatile standard lens. Suitable for situations in which maximum image quality is important.

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<sup>1</sup> standard prime lens for full-format DSLRs in the world to be equipped with an image stabiliser, and the first lens of its class<sup>2</sup> with a closest focusing distance of just 29cm. Like all models in the SP series, it also has exceptionally high built quality.

Di

SP

VC

USD

eBAND

MR

FLR

LD

CANON

NIKON

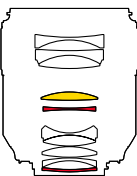
SONY\*

Model F013



An enormous resolution and fine detail reproduction are what make the SP 45mm stand out.

<sup>1</sup> As of July 2015, source: Tamron.  
<sup>2</sup> In comparison with current 45mm and 50mm prime lenses for DSLR cameras with full-format sensors. As of July 2015, source: Tamron.



**Technical information:**  
Elements/groups: 10/8  
Closest focusing distance: 29cm  
Filter diameter: 67mm  
Length: 89.2mm  
Weight: 520g





SP 85mm · Focal length: 85mm · Exposure: f/2.8 at 1/1600 sec. · ISO 200



SP 90mm · Focal length: 90mm · Exposure: f/2.8 at 1/50 sec. · ISO 100

# SP 85mm f/1.8 Di VC USD



A top-class portrait lens. The perfect combination of high luminosity, a compact form factor and image stabilisation.

This large-aperture compact prime lens is ideally suited for demanding portrait shots with natural-looking proportions and colours. It is the first<sup>1</sup> 85mm f/1.8 lens in the world with integrated image stabilisation. 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.

- Di

SP

VC

USD

eBAND

MR

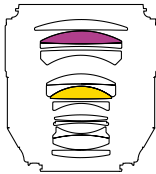
FLR

LD

XLD
- CANON

NIKON

SONY\*
- Model F016



**Technical information:**  
Elements/groups: 13/9  
Closest focusing distance: 80cm  
Filter diameter: 67mm  
Length: 88.8mm  
Weight: 660g

<sup>1</sup> 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



The pioneer of a new generation of macro lenses with extremely high resolution and detail reproduction.

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 stabilisation is supported by XY-Shift compensation, which dramatically widens the range of applications. The housing is also protected against damp and dust, while fluorine compensation makes cleaning the lens a breeze.

- Di

SP

VC

USD

eBAND

MR

FLR

LD

XLD
- CANON

NIKON

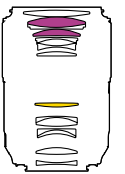
SONY\*
- Model F017



Schematic diagram of XY-Shift VC



The SP 90mm has the best and most advanced features, as well as outstanding performance and imaging quality.



**Technical information:**  
Elements/groups: 14 / 11  
Closest focusing distance: 30cm  
Filter diameter: 62mm  
Length: 114.6mm  
Weight: 600g



# 16-300mm f/3.5-6.3 Di II VC PZD MACRO

Whether travelling, hiking or going to a family party - this lens is a true companion when you need low weight and the best image quality.

**Large zoom area from 16mm to 300mm**

From ultra wide-angle to super telephoto - this high-performance zoom lens is suited for all kinds of subjects and photo opportunities. Both group shots at close proximity and photos of far-away details can now be photographed with a single lens.

**Light and compact - stellar photography without the weight**

540 grams with a total length of barely ten centimetres, this zoom lens is ideal for hiking and travelling light. The use of innovative optic elements, such as lenses made of XR glass and hybrid aspherical lenses, is what makes it so compact.

**Fast PZD auto-focus and VC image stabiliser**

Never miss a perfect moment again: Tamron's Piezo Drive ultrasonic motor gives you lightning-fast focusing. The VC image stabiliser balances the smallest camera vibrations and shaking. Your telephoto-range shots will be sharp even in low-light conditions.

**Focal length comparison: 16-300mm Di II VC PZD**

Equivalent to 18.8x magnification of the subject



16mm (24mm\*)



300mm (450mm\*)

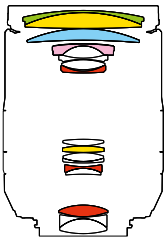


Its handy size, light weight and large focal length range makes the 16-300mm the perfect all-round lens.

This extremely versatile megazoom lens for digital SLR camera with APS-C sensors covers a huge range of focal lengths from 16mm to 300mm<sup>1</sup>. You can even shoot macro photos, thanks to the short minimum focusing distance of 39cm. Our newly developed aspherical elements and multi-layer compensated lenses warranty excellent image quality.

- Di II
- VC
- PZD
- MR
- LD
- ASL
- XR
- UXR
- IF
- ZL

CANON NIKON SONY\* Model B016



**Technical information**  
Elements/groups: 16/12  
Closest focusing distance: 39cm  
Filter diameter: 67mm  
Length: 99.5mm  
Weight: 540g



16-300mm - Focal length: 26mm - Exposure: F/11 bei 0.8 sec. - ISO 400



16-300mm - Focal length: 22mm  
Exposure: f/6.3 at 1/20 sec. - ISO 100



**Sebastian Ritter & Jenny Mitschler**  
Travel bloggers  
Berlin

## Sensational Moments

“Enormous zoom, light weight - this is how the 16-300mm f/3.5-6.3 Di II VC PZD Macro won us over. As travel bloggers from 22places.de, we're always on the road and we like to travel as light as possible. Tamron's travel zoom means we don't have to compromise any more.

The 16-300mm has a huge range of focal lengths (focal lengths 24.8mm to 450mm equivalent to full-format). That means you can capture great landscape photos and also very personal snapshots of street scenes. We can even take macro photos without having to change the lens first.

We captured so many sensational moments with the Tamron 16-300mm on our six-month Asia trip - from the Festival of Lights in Chiang Mai to the Chocolate Hills in the Philippines. We could take photos with slower shutter speeds thanks to the VC image stabiliser, and it reliably helped us avoid shaking when we were filming out of buses or trains. The images are sharp and very detailed. They show all these moments exactly as we experienced them at the time.”

<sup>1</sup> Focal lengths 24.8 - 450mm equivalent to full-format.





28-300mm - Focal length: 91mm - Exposure: f/9 at 1/30 sec. - ISO 100



18-200mm - Focal length: 18mm - Exposure: 1/6.3 at 1/640 sec. - ISO 100



## 28-300mm f/3.5-6.3 Di VC PZD

Versatile and compact high-performance zoom lens for single-lens reflex cameras with full-format sensors. Aspherical lenses ensure excellent picture quality over the entire range of focal lengths, from 28mm wide angle to 300mm telephoto. The VC image stabiliser balances undesired camera movement, ensuring sharp telephoto photography, even under low-light conditions.

Di

VC

PZD

MR

LD

ASL

XR

UXR

IF

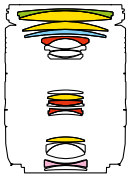
ZL

CANON

NIKON

SONY\*

Model A010



**Technical information:**  
Elements/groups: 19/15  
Closest focusing distance: 49cm  
Filter diameter: 67mm  
Length: 96mm  
Weight: 540g



## 18-200mm f/3.5-6.3 Di II VC

The world's lightest<sup>1</sup> megazoom lens offers a high-performance VC image stabiliser and a versatile focal length range from 27mm to 300mm.<sup>2</sup> The innovative optical construction ensures spectacular imaging performance, which is also helped along by the LD element. The use of an innovative hybrid aspherical lens contributes to a compact form factor.

Di II

VC

ASL

LD

IF

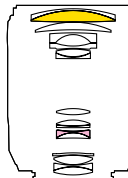
ZL

CANON

NIKON

SONY\*

Model B018



**Technical information:**  
Elements/groups: 16/14  
Closest focusing distance: 49-77cm  
Filter diameter: 62mm  
Length: 94.1mm  
Weight: 400g



## 18-270mm f/3.5-6.3 Di II VC PZD

A classic among megazoom lenses. The large focal length range of 27mm<sup>2</sup> wide angle up to 405mm<sup>2</sup> telephoto means no end of photographic opportunities. A fast auto-focus and built-in VC image stabiliser ensure sharp pictures, even under poor conditions. Special optical elements make for great imaging performance.

Di II

VC

PZD

LD

ASL

AD

IF

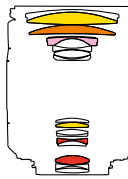
ZL

CANON

NIKON

SONY\*

Model B008



**Technical information:**  
Elements/groups: 16/13  
Closest focusing distance: 49cm  
Filter diameter: 62mm  
Length: 88mm  
Weight: 450g

<sup>1</sup> In comparison with other 18-200mm SLR lenses with optical image stabiliser. Source: Tamron, as of: June 2015  
<sup>2</sup> Focal length equivalent to small format.

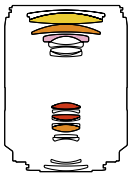




# 14-150mm f/3.5-5.8 Di III

Compact, elegant megazoom lens with the best image quality for Micro Four Thirds System cameras. The 10.7x zoom covers a very large range of focal lengths from 28mm to 300mm.<sup>1</sup> The optical construction contains LD and AD elements, as well as a hybrid aspherical lens. The combination gives you groundbreaking image quality.

Di III LD ASL AD ZL MICRO FOUR THIRDS Model C001



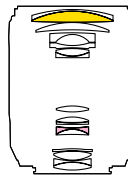
**Technical information:**  
Elements/groups: 17/13  
Closest focusing distance: 50cm  
Filter diameter: 52mm  
Length: 80.4mm  
Weight: 285g



# 18-200mm f/3.5-6.3 Di III VC

Light-weight megazoom lens with the best image quality for mirrorless APS-C system cameras from Canon and Sony. This excellent lens, with a 27-300mm focal length<sup>1</sup>, is suitable for practically any photo situation. The compact housing has a modern, premium design and the system camera's quick and precise contrast auto-focus is supported internally by a reliable step motor.

Di III VC LD ASL XR IF ZL CANON SONY Model B011



**Technical information:**  
Elements/groups: 17/13  
Closest focusing distance: 50cm  
Filter diameter: 62mm  
Length: 96,7mm  
Weight: 460g



18-200mm · Focal length: 19.3mm · Exposure: 1/13 at 1/125 sec. · ISO 200



14-150mm · Focal length: 14mm · Exposure: 1/7.1 at 1/320 sec. · ISO 200

## Advantages of Tamron Megazoom lenses



### Large zoom range

Megazoom lenses have an outstanding range of focal lengths. For example, you can take photos with both a 24mm<sup>1</sup> wide angle and with a 450mm<sup>1</sup> telephoto focal length - all without changing the lens.

### Light weight

Thanks to their special optical lenses, Tamron's megazoom lenses weigh less than 550 grams. You'll save space in your luggage as well, since you'll be able to take great photos of any subject with just one lens.

### Image stabilisation

The VC symbol means an integrated VC image stabiliser. This lets you take sharp pictures in low-light conditions, even without a tripod. Camera movements are substantially compensated so you can take handheld photos.

<sup>1</sup> Focal length equivalent to small format.



# 10-24mm f/3.5-4.5 Di II VC HLD

NEW

Experience the complete joy of shooting with Tamron's new compact, ultra-wide-angle zoom

**Excellent optical performance across the entire zoom range**

The optical design includes 16 elements in 11 groups. A new large aperture aspherical lens and LD (Low Dispersion) lens elements deliver exceptional resolution across the complete zoom range – combined with stable imaging across the entire frame.

**VC lets you go wherever your vision takes you**

Tamron's unique VC (Vibration Compensation) technology makes it easy to enjoy handheld, wide-angle shooting, even in low-light environments such as evening and indoors. Tamron has optimized the actuator and control algorithm in order to incorporate VC into our new Model B023.

**HLD meets highly precise AF**

With this lens, Tamron introduces the HLD (High/Low torque-modulated Drive) AF drive system. The excellent driving power of the all-new HLD enables stable and precise focusing, even with the large focusing lens elements used on Model B023. The Full-time Manual Focus override allows you to make fine adjustments – without having to switch from AF to MF mode.



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



10mm (16mm\*) ←



→ 24mm (37mm\*)



Exceptional perspectives thanks to a gigantic focal length of 10-24mm

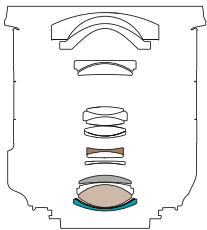


The VC Image Stabilizer delivers sharp and clear images, even in low-light environment

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 SP AF10-24mm F/3.5-4.5 Di II LD Aspherical [IF] (Model B001), plus vastly improved optical performance. It also includes state-of-the-art Tamron technology like VC (Vibration Compensation), a new HLD (High/Low torque-modulated Drive), Fluorine Coating, and Moisture-Resistant Construction.

Di II VC HLD MR XLD LD ASL IF

CANON NIKON Model B023



**Technical information**  
Elements/groups: 16/11  
Closest focusing distance: 24cm  
Filter diameter: 77mm  
Length: 84.6mm  
Weight: 440g



10-24mm · Focal length: 28mm · Exposure: f/6.3 at 1/125 sec. · ISO 100



10-24mm · Focal length: 10mm  
Exposure: f/5 bei 1/80 sec. · ISO 5000



**Sallyhateswing**  
Philipp Johann & Sarah Schmid  
Fashion- and Lifestyle-photographers  
Cologne

## Spectacular angles, unique moments

“On our trip to the beautiful city of Rome, we only brought one lens with us: the Tamron 10-24mm f/3.5-4.5 Di II VC HLD. The focal range of this ultra-wide-angle zoom lens excited us right away. It's just perfect to capture impressive shots of the Italian capital. With this lens, we were able to take some really great pictures of every highlight of the city. Particularly in the field of architectural- and street photography, many perspectives had an extremely spectacular angle of view. Fascinated by the enormous field of depth as well, we came as close as 24 centimeters to several motives and still could include a lot of background to the picture. They almost appear three-dimensional, as if you could walk in them.

The general performance of the lens, especially the high resolution and amazing reproduction of detail, have positively surprised us. It is amazing how sharp the pictures are. This also shows the strengths of the new and improved autofocus system and, above all, the image stabiliser, which prevents camera shake when shooting handheld! We photographed a restaurant entrance with a 1/4 second – the picture we took is crisp and clear. It wasn't raining in Rome, which led to very dusty streets. We trusted the moisture- and dust resistant construction of the lens to deal with it and weren't disappointed at all.”





# SP 15-30mm f/2.8 Di VC USD

Professional wide-angle zoom for outstanding perspective. This wide-aperture f/2.8 lens expands Tamron's SP Series in the low focal length range. A unique XGM lens element (eXpanded Glass Moulded Aspherical) reduces aberrations to a minimum and, in combination with the VC image stabiliser, provides peerless imaging performance.

Di

SP

VC

USD

eBAND

MR

LD

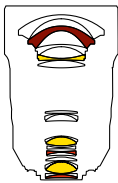
IF

CANON

NIKON

SONY\*

Model A012



**Technical information:**  
Elements/groups: 18/13  
Closest focusing distance: 28cm  
Filter diameter: n/a  
Length: 142.5mm  
Weight: 1100g



# SP 24-70mm f/2.8 Di VC USD

High-performance standard zoom with first-class imaging performance and features. The f/2.8 large aperture can be used even in low-light conditions and opens up creative opportunities with attractive blur effects. The image stabiliser minimises the risk of blurring from camera shake, while the USD auto-focus ensures fast, precise and quiet focusing.

Di

SP

VC

USD

MR

LD

ASL

XR

IF

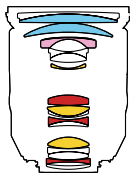
ZL

CANON

NIKON

SONY\*

Model A007



**Technical information:**  
Elements/groups: 17/12  
Closest focusing distance: 38cm  
Filter diameter: 82mm  
Length: 108.5mm  
Weight: 825g



# SP 70-200mm f/2.8 Di VC USD

Versatile telephoto lens with f/2.8 aperture throughout and lots of modern features. The optical construction of the world's most compact<sup>1</sup> lens of its class contains a special XLD glass element and four LD elements, allowing top-class picture quality and contributing to a compact form factor.

Di

SP

VC

USD

MR

LD

XLD

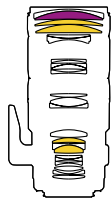
IF

CANON

NIKON

SONY\*

Model A009



**Technical information:**  
Elements/groups: 23/17  
Closest focusing distance: 130cm  
Filter diameter: 77mm  
Length: 188.3mm  
Weight: 1470g



SP 24-70mm · Focal length: 24mm · Exposure: f/6.3 at 1/160 sec. · ISO 800



SP 15-30mm · Focal length: 15mm · Exposure: f/8 at 1/640 sec. · ISO 100

<sup>1</sup> For high-speed DSLR telephoto lenses equipped with VC image stabiliser and USD auto-focus. As of October 2012, source: Tamron.





SP 150-600mm · Focal length: 600mm · Exposure: f/7.1 at 1/640 sec. · ISO 400



SP AF 28-75mm · Focal length: 28mm · Exposure: f/8 at 1/100 sec. · ISO 100



# SP 70-300mm f/4-5.6 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 stabilisation and USD auto-focus, you can take sharp, lively photos in a variety of situations. XLD and LD glass elements help reduce optical image defects.

Di

SP

VC

USD

LD

XLD

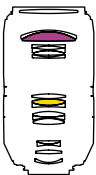
IF

CANON

NIKON

SONY\*

Model A005



**Technical information:**  
Elements/groups: 17/12  
Closest focusing distance: 150 cm  
Filter diameter: 62mm  
Length: 142.7mm  
Weight: 765g



# SP 150-600mm f/5-6.3 Di VC USD

Use this high-performance SP 150-600mm telephoto lens to capture the beauty of the animal world or gripping sports scenes. The VC image stabiliser and USD auto-focus will help you take sharp photos of fast-moving and far-away subjects without a tripod. Tamron's optical technology, such as eBAND compensation, minimise light dispersion and other image defects and helps take clear, lively pictures.

Di

SP

VC

USD

eBAND

MR

LD

XLD

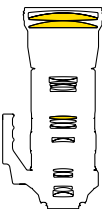
IF

CANON

NIKON

SONY\*

Model A011



**Technical information:**  
Elements/groups: 20/13  
Closest focusing distance: 270cm  
Filter diameter: 95mm  
Length: 257.8mm  
Weight: 1951g (including tripod mount ring)



# SP AF 28-75mm f/2.8 XR Di LD asph. [IF] MACRO

This standard zoom with f/2.8 aperture puts the fun in photography. It has a high resolution capacity and high contrast reproduction. Its optical construction minimises colour fringing and loss of brightness at the edge of the photo. Its minimum focusing distance is just 33cm, so you can take fascinating close-up and macro photos.

Di

SP

LD

ASL

XR

IF

ZL

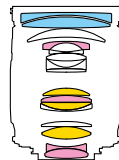
CANON

NIKON

PENTAX

SONY

Model A09



**Technical information:**  
Elements/groups: 16/14  
Closest focusing distance: 33cm  
Filter diameter: 67mm  
Length: 92mm  
Weight: 510g



# AF 70-300mm 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 95cm away.

Di

LD

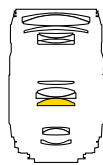
CANON

NIKON

PENTAX

SONY\*

Model A17



**Technical information:**  
Elements/groups: 13/9  
Closest focusing distance: 150cm (95cm macro)  
Filter diameter: 62mm  
Length: 116.5mm  
Weight: 458g





# SP AF 70-200<sub>mm</sub> f/2.8 Di LD [IF] MACRO

With a length of just 195mm, this lens is one of the most compact 70-200mm telephotos. Despite its modest dimensions, it has a large aperture and high sharpness and resolution. The low minimum focusing distance of just 95cm means you can take close-up shots with a magnification of 1:3.1.

Di

SP

LD

IF

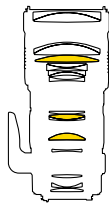
CANON

NIKON

PENTAX

SONY

Model A001



**Technical information:**  
Elements/groups: 18/13  
Closest focusing distance: 95cm  
Filter diameter: 77mm  
Length: 194.3mm  
Weight: 1320g



# SP AF 17-50<sub>mm</sub> f/2.8 XR Di II VC LD asph. [IF]

This large-aperture standard zoom covers all of the most popular focal lengths, from 25.5mm to 75mm<sup>1</sup>. The large f/2.8 aperture lets you play creatively with effects like blur, such as when you take telephoto portrait shots. Combined with the VC image stabiliser, the photographer has everything they need for sharp photos, even in low light.

Di II

SP

VC

LD

ASL

XR

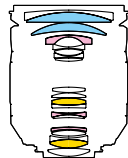
IF

ZL

CANON

NIKON

Model B005



**Technical information:**  
Elements/groups: 19/14  
Closest focusing distance: 29cm  
Filter diameter: 72mm  
Length: 94.5mm  
Weight: 570g



# SP AF 17-50<sub>mm</sub> f/2.8 XR Di II LD asph. [IF]

Compact standard zoom lens, best suited for photography in low light with f/2.8 aperture. The large aperture allows good extraction of the subject and prevents blurring caused by camera shake with the short exposure times. Special optical elements make for first-class imaging performance.

Di II

SP

LD

ASL

XR

IF

ZL

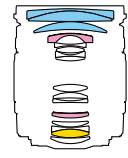
CANON

NIKON

PENTAX

SONY

Model A16



**Technical information:**  
Elements/groups: 16/13  
Closest focusing distance: 27cm  
Filter diameter: 67mm  
Length: 83.2mm  
Weight: 440g



# SP AF 10-24<sub>mm</sub> f/3.5-4.5 Di II LD asph. [IF]

You'll have the most fun with your photos, and get some fantastic perspectives, with this ultra-wide-angle zoom lens. An optical lens made of aspherical precision pressed glass allows a huge angle of view of 108 degrees - great for photo compositions that will really pull the viewer into the frame. BBAR compensation gives you bright and sharp photos right up to the edge of the image.

Di II

SP

LD

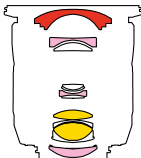
ASL

IF

PENTAX

SONY

Model B001



**Technical information:**  
Elements/groups: 12/9  
Closest focusing distance: 24cm  
Filter diameter: 77mm  
Length: 86.5mm  
Weight: 406g



SP 70-200mm · Focal length: 123mm · Exposure: f/2.8 at 1/4000 sec. · ISO 400



SP 17-50mm · Focal length: 17mm · Exposure: f/11 at 1/500 sec. · ISO 200

<sup>1</sup> Focal length equivalent to small format.





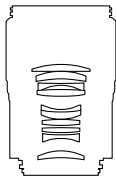
SP 90mm - Focal length: 90mm - Exposure: f/8 at 1/5 sec. - ISO 100



# SP AF 90mm 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 structures includes ten elements in nine groups, making for excellent imaging performance. The minimum focusing distances is just 29cm, so you can photograph even small objects at an image ratio of 1:1.

Di SP CANON NIKON PENTAX SONY Model 272E



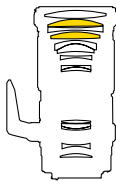
**Technical information:**  
Elements/groups: 10/9  
Closest focusing distance: 29cm  
Filter diameter: 55mm  
Length: 97mm  
Weight: 400g



# SP AF 180mm f/3.5 Di LD [IF] MACRO 1:1

A unique telemacro lens that is just as well-suited to use outdoors and in the studio. At an image ratio of 1:1, it has a particularly long shooting distance and was specially developed for photographing timid subjects such as butterflies and other insects, to which you wouldn't be able to get close enough with a normal macro lens.

Di SP LD IF CANON NIKON SONY Model B01



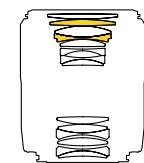
**Technical information:**  
Elements/groups: 14/11  
Closest focusing distance: 47cm  
Filter diameter: 72mm  
Length: 165.7mm  
Weight: 985g  
(including tripod mount ring)



# SP AF 60mm 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 23cm. The high speed and large aperture will give you wonderful blur effects and sharp photos without a tripod, even in low light.

Di II SP LD IF CANON NIKON SONY Model G00S



**Technical information:**  
Elements/groups: 14/10  
Closest focusing distance: 23cm  
Filter diameter: 55mm  
Length: 80mm  
Weight: 350g

# WARRANTY AND SERVICE

## 5 year warranty

The quality of Tamron lenses is warrantyd. Tamron also offers a free extension of the warranty period to five years. To claim the extended warranty, register your lens within two months of purchase on the Tamron registration website. You will then be entitled as part of the 5 year warranty to our services in the following countries: European Union, Norway, Iceland, Turkey, Ukraine, Andorra and Gibraltar. Register on: [5years.tamron.eu](https://www.tamron.eu)



## About Tamron

- Lenses for digital cameras and video cameras  
Tamron is a leading supplier of high-performance optics that meet the highest quality standards of modern sensors. Tamron also produces light and compact zoom lenses with high performance and excellent image quality for video cameras.
- CCTV lenses  
Tamron uses advanced technologies to develop revolutionary lenses that meet the special requirements of the security sector and industry automation. This includes a comprehensive range of CCTV lenses, including IR lenses, lenses compatible with high-resolution cameras and motorised zoom lenses.
- Lenses for long-wave infrared cameras  
We have used our expertise as manufacturers of optical products to develop the world's first lenses with VC image stabilisation for LWIR cameras. We have a wide range of products and will continue to develop high-quality optics in the future.
- Lenses for automotive construction applications  
Vehicles all over the world are equipped with cameras today that offer an array of features for image recognition and increasing driving safety. Tamron uses its high-precision manufacturing technologies to maintain its position as a leading manufacturer of lenses for vehicle construction.
- Optical products  
Tamron develops and produces a comprehensive range of advanced and high-precision optical equipment. This includes various aspherical lenses, special prisms, devices for lasers, dichroic mirrors for colour separation, polarisers, special multi-layer thin-film coatings and test plates for fast and precise inspection of lens surfaces.

## Customer service

If you have questions about Tamron products or the services we offer, please contact our Services: Tamron Europe GmbH, Service Department, Telephone: +49 (221) 970325-35, email: [service@tamron.de](mailto:service@tamron.de) Mon-Thurs 8.30am – 5pm, Fri 8.30am – 3.30pm

## Repairs

Tamron products are manufactured with utmost care and precision. Should there be any damage to your lens nonetheless, Tamron Customer Service will be happy to assist you. You can find contact addresses and more detailed information on the warranty and the procedure for sending in the product and having it repaired at: [www.tamron.eu/de/service](https://www.tamron.eu/de/service)

## Tamron's quality assurance and environmental protection activities

- ISO standards: The abbreviation ISO is short for International Organization for Standardization. The relevant international standards include the ISO 9000 family for quality management systems and the ISO 14000 family for the certification of environmental management. Tamron is certified under ISO 9000 and ISO 14000.
- Environment: Tamron takes environmental matters seriously and supports the implementation of operating procedures according to ISO 14001 to protect the environment. Specifically, Tamron has adopted a "green purchasing directive," under which environmentally unfriendly materials are avoided from the beginning of the process and positive contributions to the environment are encouraged. During production, Tamron endeavours to keep energy use as low as possible, avoid excessive waste and use recyclable materials where possible. These measures contribute to the development of high-value, compact and environmentally friendly products to satisfy our customers. Since 2004, Tamron has been producing environmental reports in which we publish social responsibility initiatives and practices to protect our environment. You can find more information on these on Tamron's English-language website: ([www.tamron.co.jp/en/envi/top/](https://www.tamron.co.jp/en/envi/top/))
- ISO 9001 Quality assurance guidelines: Standards for quality management and quality assurance for manufacturing high-quality products.
- ISO 14001 Environmental management: Tamron includes in its corporate philosophy the goal of offering high-quality products and services that meet the demands of our customers. Beyond this, Tamron's employees consistently champion the protection of our global environment on every level and in every aspect of our company's activities. Tamron is conscious of its social responsibilities and takes them seriously.
- ISO 14001 - The basis of environmental protection:
  1. Compliance with relevant environmental provisions
  2. Conservation and protection of natural resources
  3. Avoidance of damage to the environment
  4. Continuous promotion of environmental protection programme
  5. Construction and development of environmentally friendly products as a contribution to environmental protection
  6. Training and instruction to involve all employees
  7. Publication of ecologically relevant information



LENS OVERVIEW

LENS	PAGE	MODEL	FOCAL LENGTH mm	ANGLE OF VIEW (diagonal) ( ) = values for cameras with APS-C chip format	LARGEST APERTURE f	SMALLEST APERTURE f	APERTURE BLADES	LENS CONSTRUCTION Elements/groups	SHORTEST MINIMUM FOCUSING DISTANCE cm	MAX. IMAGE RATIO	FILTER SIZE Ø mm	WEIGHT g	DIAMETER × LENGTH <sup>6</sup> mm	NOTES
Di For digital SLR cameras with full-format and APS-C sensor														
SP 15–30mm f/2.8 Di VC USD <sup>1</sup>	26	A012	15–30	110°32'–71°35' (85°52'–49°54')	f/2.8	22	9 <sup>3</sup> rounded blades	18–13	28 <sup>4</sup>	1:5	N/A	1100	98.4 × 142.5	
SP 24–70mm f/2.8 Di VC USD <sup>1</sup>	26	A007	24–70	84°04'–34°21' (60°20'–22°33')	f/2.8	22	9 <sup>3</sup> rounded blades	17–12	38 <sup>4</sup>	1:5	82	825	88.2 × 108.5	
SP AF 28–75mm f/2.8 XR Di LD Aspherical [IF] MACRO	29	A09	28–75	75°23'–32°11' (52°58'–21°4')	f/2.8	32	7	16–16	433 <sup>4</sup>	1:3.9	67	510	73.0 × 92.0	
28–300mm f/3.5–6.3 Di VC PZD <sup>1</sup>	21	A010	28–300	75°23'–8°15' (52°58'–5°20')	f/3.5–6.3	22–40	7 <sup>3</sup> rounded blades	19–15	49 <sup>4</sup>	1:3.5	67	540	74.4 × 96.0	
SP 70–200mm f/2.8 Di VC USD <sup>1</sup>	26	A009	70–200	34°21'–12°21' (22°33'–7°58')	f/2.8	32	9 <sup>3</sup> rounded blades	23–17	130 <sup>4</sup>	1:8	77	1470 <sup>5</sup>	85.8 × 188.3	
SP AF 70–200mm f/2.8 Di LD [IF] MACRO	30	A001	70–200	34°21'–12°21' (22°33'–7°58')	f/2.8	32	9	18–13	95 <sup>4</sup>	1:3.1	77	1320 <sup>5</sup>	89.5 × 194.3	Lens version with Pentax mount without aperture ring.
SP 70–200mm f/2.8 Di VC USD G2 <sup>1</sup> <span>NEW</span>	08	A025	70–200	34°21'–12°21' (22°33'–21°21')	f/2.8	22	9 <sup>3</sup> rounded blades	23–17	95 <sup>4</sup>	1:6.1	77	1500 <sup>5</sup>	88 × 193.8	Accessories sold separately: • 1.4x teleconverter • 2.0x teleconverter Compatible with TAP-in Console (sold separately)
SP 70–300mm f/4–5.6 Di VC USD <sup>1</sup>	28	A005	70–300	34°21'–8°15' (22°33'–5°20')	f/4–5.6	32–45	9	17–12	150 <sup>4</sup>	1:4	62	765	81.5 × 142.7	
AF 70–300mm f/4–5.6 Di LD MACRO	29	A17	70–300	34°21'–8°15' (22°33'–5°20')	f/4–5.6	32–45	9	13–9	150 (95 macro)	1:2	62	458	76.6 × 116.5	
SP 35mm f/1.8 Di VC USD <sup>1,2</sup>	14	F012	35	63°26' (43°29')	f/1.8	16	9 <sup>3</sup> rounded blades	10–9	20	1:2.5	67	450	80.4 × 78.3	Compatible with TAP-in Console (sold separately)
SP 45mm f/1.8 Di VC USD <sup>1,2</sup>	15	F013	45	51°21' (34°28')	f/1.8	16	9 <sup>3</sup> rounded blades	10–8	29	1:3.4	67	520	80.4 × 89.2	Compatible with TAP-in Console (sold separately)
SP 85mm f/1.8 Di VC USD <sup>1,2</sup>	16	F016	85	28°33' (18°39')	f/1.8	16	9 <sup>3</sup> rounded blades	13–9	80	1:7.2	67	660	84.8 × 88.8	Compatible with TAP-in Console (sold separately)
SP 90mm f/2.8 Di MACRO 1:1 VC USD <sup>1,2</sup>	17	F017	90	27°2' (17°37')	f/2.8	32	9 rounded blades	14–11	30	1:1	62	600	79.0 × 114.6	Compatible with TAP-in Console (sold separately)
SP AF 90mm f/2.8 Di MACRO 1:1	32	272E	90	27°2' (17°37')	f/2.8	32	9	10–9	29	1:1	55	400	71.5 × 97.0	
SP AF 180mm f/3.5 Di LD [IF] MACRO 1:1	32	B01	180	13°42' (8°52')	f/3.5	32	7	14–11	47	1:1	72	985 <sup>5</sup>	84.8 × 165.7	AF motor is not integrated in the SP AF 180mm.
SP 150–600mm f/5–6.3 Di VC USD <sup>1</sup>	28	A011	150–600	16°25'–4°8' (10°38'–2°40')	f/5–6.3	32–40	9 <sup>3</sup> rounded blades	20–13	270 <sup>4</sup>	1:5	95	1951 <sup>5</sup>	105.6 × 257.8	Accessories sold separately: • Tripod mount ring (long version) • Soft case A011
SP 150–600mm f/5–6.3 Di VC USD G2 <sup>1,2</sup>	12	A022	150–600	10°38' (2°40')	f/5–6.3	32–40	9 <sup>3</sup> rounded blades	21–13	220 <sup>4</sup>	1:3.9	95	1980 <sup>5</sup>	108.4 × 260.2	Accessories sold separately: • 1.4x teleconverter • 2.0x teleconverter Compatible with TAP-in Console (sold separately)
Di II For digital SLR cameras with APS-C sensor														
10–24mm f/3.5–4.5 Di II VC HLD <span>NEW</span>	24	B023	10–24	108°44'–60°20'	f/3.5–4.5	22–29	7	16–11	24 <sup>4</sup>	1:5.3	77	406	83.2 × 84.6	Compatible with TAP-in Console (sold separately)
SP AF 10–24mm f/3.5–4.5 Di II LD Aspherical [IF]	30	B001	10–24	108°44'–60°20'	f/3.5–4.5	22–29	7	12–9	24 <sup>4</sup>	1:5.1	77	406	83.2 × 86.5	
16–300mm f/3.5–6.3 Di II VC PZD MACRO <sup>1</sup>	18	B016	16–300	82°12'–5°20'	f/3.5–6.3	22–40	7 <sup>3</sup> rounded blades	16–12	39 <sup>4</sup>	1:2.9	67	540	75.0 × 99.5	
SP AF 17–50mm f/2.8 XR Di II VC LD Aspherical [IF]	30	B005	17–50	78°45'–31°11'	f/2.8	32	7	19–14	29 <sup>4</sup>	1:4.8	72	570	79.6 × 94.5	
SP AF 17–50mm f/2.8 XR Di II LD Aspherical [IF]	30	A16	17–50	78°45'–31°11'	f/2.8	32	7	16–13	27 <sup>4</sup>	1:4.5	67	440	73.8 × 83.2	
18–200mm f/3.5–6.3 Di II VC <sup>1</sup>	21	B018	18–200	75°33'–7°59'	f/3.5–6.3	22–40	7 <sup>3</sup> rounded blades	16–14	49–77	1:4	62	400	75.0 × 94.1	
18–270mm f/3.5–6.3 Di II VC PZD <sup>1</sup>	21	B008	18–270	75°33'–5°55'	f/3.5–6.3	22–40	7	16–13	49 <sup>4</sup>	1:3.8	62	450	74.4 × 88.0	
SP AF 60mm f/2 Di II LD [IF] MACRO 1:1	32	G005	60	26°11'	f/2	22	7	14–10	23	1:1	55	350	73.0 × 80.0	
Di III For mirrorless system cameras														
14–150mm f/3.5–5.8 Di III	22	C001	14–150	75°22'–8°15' <sup>**</sup>	f/3.5–5.8	22	7 <sup>3</sup> rounded blades	17–13	50 <sup>4</sup>	1:3.8	52	285	63.5 × 80.4	Available in two colour versions: Black and Silver; * angle of view for aspect ratio 4 : 3
18–200mm f/3.5–6.3 Di III VC	22	B011	18–200	75°33'–7°59'	f/3.5–6.3	22–40	7	17–13	50 <sup>4</sup>	1:3.7	62	460 <sup>**</sup>	68.0 × 96.7 <sup>**</sup>	Available in two colour versions: Black and Silver; ** weight and diameter × length (total length) values apply to the corresponding model with Sony fitting.
Optional accessories														
1.4x teleconverter	10	TC-X14	Compatible with SP 150-600mm f/5–6.3 Di VC USD G2 (A022)											
2.0x teleconverter	10	TC-X20	Compatible with SP 150-600mm f/5–6.3 Di VC USD G2 (A022)											
TAP-in Console	07	TAP-01	Compatible with new SP Series lenses (F012, F013, F016, F017, A022)											

**Notes**  
The use of Di and Di II lenses with mirrorless compact camera systems is not recommended.  
The use of a conversion adapter (mount adapter, converter etc.) should also be avoided.

1 [SONY™] The Sony mounts (A005, A007, A009, A010, A011, A012, B008, B016, F012, F013, F016, F017, A022) are supplied without VC image stabilisers, as Sony's digital single lens reflex cameras are already fitted with an internal image stabiliser. As a consequence, the abbreviation "VC" is missing in these lens designations.

2 Compatible with the TAP-in Console

3 The blades form an almost circular shape when the aperture is open. This shape is maintained almost fully even when stopping down by up to two stops.

4 Shortest focusing distance over the entire range of focal lengths.

5 Weight including the removable tripod mount ring.

6 The length is defined from the contact face on the camera housing to the tip of the lens.  
The weight and diameter x length values, excluding C001 and B011, apply to the model with the Nikon mount.

**Notes on model B011**  
When using the AFC mode (Continuous AF) with 18-200mm Di III VC, please note:

- When using the scene program "Sports Mode," during continuous focusing, "pumping" of the image may occur on the LCD monitor display. If this occurs, it will not affect the quality of the image that is produced.
- The same effect may be observed in any of the Shoot Modes (P, A, S, M) when Continuous AF (AFC) is used. The effect will not affect the photos taken in this situation either.

\* As an alternative to the situation described above, the focus mode can be set to Single Shot AF (AF-S) or Direct Manual Focus (DMF).

Be careful if the camera shows an error message or if the LCD monitor goes blank (for Canon lenses). In very rare cases, malfunctions can occur if signal transmission between the camera and the lens does not work correctly. If this occurs, please do one of the following to solve the problem:

- 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, please switch the camera off and remove the battery. Re-insert the battery and switch the camera back on.

Lens hoods

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

