TAMRON

LENS CATALOG

2020.10.E

Di III series for mirrorless cameras

11	14-150mm F/3.5-5.8 Di III (Model C001)
4	17-28mm F/2.8 Di III RXD (Model A046)
11	18-200mm F/3.5–6.3 Di III VC (Model B011)
5	28-75mm F/2.8 Di III RXD (Model A036)
8	28-200mm F/2.8-5.6 Di III RXD (Model A071)
6	70-180mm F/2.8 Di III VXD (Model A056)
7	70-300mm F/4.5-6.3 Di III RXD (Model A047)
10	20mm F/2.8 Di III OSD M1:2 (Model F050)
10	24mm F/2.8 Di III OSD M1:2 (Model F051)
10	35mm F/2.8 Di III OSD M1:2 (Model F053)

Di series for full-frame DSLR cameras

12	SP 15-30mm F/2.8 Di VC USD G2 (Model A041)
16	17-35mm F/2.8-4 Di OSD (Model A037)
13	SP 24-70mm F/2.8 Di VC USD G2 (Model A032)
17	35-150mm F/2.8-4 Di VC OSD (Model A043)
14	SP 70-200mm F/2.8 Di VC USD G2 (Model A025)
18	70-210mm F/4 Di VC USD (Model A034)
18	100-400mm F/4.5-6.3 Di VC USD (Model A035)
19	SP 150-600mm F/5-6.3 Di VC USD G2 (Model A022)
19	SP 150-600mm F/5-6.3 Di VC USD (Model A011)
20	SP 35mm F/1.4 Di USD (Model F045)
21	SP 35mm F/1.8 Di VC USD (Model F012)
21	SP 45mm F/1.8 Di VC USD (Model F013)
21	SP 90mm F/2.8 Di MACRO 1:1 VC USD (Model F017)

Di II series for APS-C DSLR cameras

23	10-24mm F/3.5-4.5 Di II VC HLD (Model B023)
23	16-300mm F/3.5-6.3 Di II VC PZD MACRO (Model B016)
23	SP AF17-50mm F/2.8 XR Di II LD (Model A16)
23	18-200mm F/3.5-6.3 Di II VC (Model B018)
23	18-270mm F/3.5-6.3 Di II VC PZD (Model B008TS)
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Tamron Lens Codes

SP 150-600mm F/5-6.3 Di VC USD G2 (Model A022)
① ② ③ ④ ⑤ ⑥ ⑦

SP AF17-50mm F/2.8 XR Di II LD (Model A16)
⑧

① Superior Performance
② Focal length
③ F-number range at open aperture
④ Compatibility with camera sensors
⑤ Image stabilization mechanism
⑥ Motor for auto focus
⑦ Generation 2 (lens version)
⑧ Special lens elements

TAMRON PHOTO LENSES **UNCOVER YOUR CREATIVITY**

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 70 years, Tamron lenses have been the "creative eyes" of photographers at every level of experience.

17-28mm · Focal length: 17mm · Exposure: F8 at 1/250 sec. · ISO 200

28-75mm · Focal length: 28mm · Exposure: F2.8 at 1/400 sec. · ISO 800

17-28mm F/2.8 Di III RXD

MIRRORLESS FULL FRAME

The 17-28mm F2.8 gives life to a new range of creative choices.
Where large aperture (F2.8) meets small filter size (67mm).

The 17-28mm F2.8 is a large aperture ultra wide-angle zoom lens and provides unrivalled portability and superb image quality. The combination of ultra wide-angle focal length, large constant F2.8 aperture and an MOD of 0.19m at the wide end encourage richly expressive and creative photography in a multitude of scenarios.

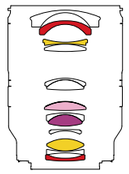
Di III | RXD | FLR | MR | GM | ASL | LD | XLD | IF

SONY E | Model A046

Superior close-up shooting performance
Focal length: 17mm · Exposure: F2.8 at 1/100sec. · ISO: 400

Exciting trio of fast F2.8 zoom

Versatile, exciting lineup of fast F2.8 zoom lenses: the 17-28mm F2.8 (Model A046), the 28-75mm F2.8 (Model A036), and the 70-180mm F2.8 (Model A056)



Optical Construction : 13 elements in 11 groups
Filter Size : ø67mm
Length : 99mm (3.9in)
Weight : 420g (14.8oz)
Minimum Object Distance : 0.19m (7.5in) [WIDE]
0.26m (10.2in) [TELE]

* This product is developed, manufactured and sold based on the specifications of E-mount which was disclosed by Sony Corporation under the license agreement with Sony Corporation.

28-75mm F/2.8 Di III RXD

MIRRORLESS FULL FRAME

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

The 28-75mm F2.8 is a fast standard zoom lens developed for mirrorless system cameras. It combines high image quality with attractive background bokeh. In addition, the 0.19m MOD lets you enjoy new forms of photographic expression with close-up shooting at the wide-angle end. The AF drive includes an extra-quiet stepping motor unit to help you stay focused on the action.

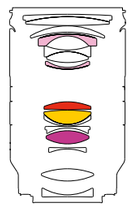
Di III | RXD | FLR | MR | GM | ASL | XLD | LD | IF

SONY E | Model A036

Get an MOD of 0.19m at a wide-angle setting
* Sample image of deformation effects by wide angle close-up shooting

Exciting trio of fast F2.8 zoom

Versatile, exciting lineup of fast F2.8 zoom lenses: the 17-28mm F2.8 (Model A046), the 28-75mm F2.8 (Model A036), and the 70-180mm F2.8 (Model A056)



Optical Construction : 15 elements in 12 groups
Filter Size : ø67mm
Length : 117.8mm (4.6in)
Weight : 550g (19.4oz)
Minimum Object Distance : 0.19m (7.5in) [WIDE]
0.39m (15.3in) [TELE]

* This product is developed, manufactured and sold based on the specifications of E-mount which was disclosed by Sony Corporation under the license agreement with Sony Corporation.

70-180mm · Focal length: 180mm · Exposure: F2.8 at 1/2000 sec. · ISO 400

70-180mm F/2.8 Di III VXD

NEW

MIRRORLESS FULL FRAME

Lighter, smaller, faster – for true telephoto freedom. The world's lightest and most compact[1] large-aperture telephoto zoom lens with all-new VXD linear motor.

70-180mm F2.8 provides outstanding performance even while attaining a fast F2.8 aperture and excellent portability. Thanks to the generous use of special lens elements, this lens achieves excellent image quality, and with the short MOD[2] of 0.85m, it also broadens the possibilities for photographic expression. For enhanced AF drive efficiency, the newly developed VXD, a linear motor focus mechanism, produces the highest level of autofocusing speed and precision in Tamron's history.

1 Among interchangeable F2.8 AF telephoto zoom lenses (As of March, 2020: Tamron)
2 At the 70mm setting, it's possible to shoot at the close range of 0.27m when manual focus (MF) is set on the camera. However, results may be less than optimum since image quality decreases in peripheral areas. For more details, please visit this website: https://www.tamron.jp/en/support/guide/closeup.html

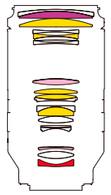
Di III | VXD | FLR | MR | LD | XLD | GM | ASL | IF | ZL

SONY E Model A056

EISA AWARD 2020-2021 Best Product — TELEPHOTO ZOOM LENS — Tamron 70-180mm F2.8 Di III VXD

The VXD linear motor focus mechanism enables remarkable levels of AF speed and precision.

Versatile, exciting lineup of fast F2.8 zoom lenses: the 17-28mm F2.8 (Model A046), the 28-75mm F2.8 (Model A036), and the 70-180mm F2.8 (Model A056)



Optical Construction : 19 elements in 14 groups
Filter Size : ø67mm
Length : 149mm (5.9in)
Weight : 810g (28.6oz)
Minimum Object Distance : [AF] 0.85m (33.5in)
[MF] 0.27m /10.6 in [WIDE] 0.85m /33.5 in [TELE][2]

* This product is developed, manufactured and sold based on the specifications of E-mount which was disclosed by Sony Corporation under the license agreement with Sony Corporation.

70-300mm · Focal length: 70mm · Exposure: F2.8 at 1/8 sec. · ISO 200

70-300mm F/4.5-6.3 Di III RXD

NEW

MIRRORLESS FULL FRAME

Get 300mm telephoto range like an expert.
The world's smallest and lightest[1] telephoto zoom lens.

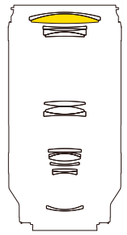
The 70-300mm F4.5-6.3 is designed so photographers of all skill levels can enjoy high quality images comfortably. With the special lens elements, users can enjoy high-resolution images combined with the stunning bokeh. The AF drive system is powered by the RXD stepping motor unit to deliver high-speed, high-precision performance. The apparent image compression and the close-up effects characteristic of telephoto lenses naturally amplify photographic expression.

1 Among 300mm-capable telephoto zoom lenses for full-frame mirrorless cameras (As of August, 2020: Tamron)

Di III | RXD | MR | LD | IF | SONY E Model A047

High quality images with beautiful, dreamy bokeh.

Superb AF keeps it sharp and quiet.
*APS-C format camera is used



Optical Construction: 15 elements in 10 groups
Filter Size: ø67mm
Length: 148mm (5.8in)
Weight: 545g (19.2oz)
Minimum Object Distance :0.8m (31.5in) [WIDE]
1.5m (59.1in) [TELE]

* This product is developed, manufactured and sold based on the specifications of E-mount which was disclosed by Sony Corporation under the license agreement with Sony Corporation.

28-200mm F/2.8-5.6 Di III RXD

NEW

MIRRORLESS FULL FRAME

Unprecedented blend of optical performance and versatility.
First all-in-one zoom starting at F2.8[1].

Compact, lightweight design offering superior portability

From wide-angle to telephoto, all-in-one zoom lenses deliver a wider range of usefulness, from everyday snaps to travel and much more. That's why Tamron pursued a high level of portability in the development of the 28-200mm F2.8-5.6, achieving a compact, lightweight design that's a mere 117mm long and weighs just 575g. The small size enables comfort and convenience, even during extensive travel, without the burden of a heavy camera bag.

Maximum aperture at the 28mm setting is a blazing fast F2.8

The generous use of special LD and XLD lens elements enables it to thoroughly minimize chromatic and other aberrations, while the application of BBAR Coating offers high anti-reflective benefits and reduces ghosting and flare that are otherwise likely to occur when shooting backlight scenes.

Superior close-up performance

At 28mm wide-angle, the MOD is 0.19m with a maximum magnification ratio of 1:3.1, and at the 200mm telephoto end it has an MOD of 0.8m with a maximum magnification ratio of 1:3.8. In addition to capturing stunning close-up images, you can leverage the blurred background bokeh utilizing a large F-number and enjoy unique close-up shots that were not possible with all-in-one zoom lenses until now.

Amazing close-up performance and beautifully blurred background bokeh

Focal length: 28mm Exposure: F2.8 1/320 sec ISO 100

Focal length comparison

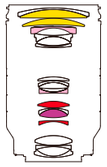
Focal length: 28mm

Focal length: 200mm

All of Tamron's technical know-how regarding all-in-one zoom lenses has been distilled to create this 28-200mm F2.8-5.6. The lens has a large maximum aperture of F2.8 at 28mm, a world's first[1] for all-in-one zoom lenses, and delivers high-level performance from 28mm wide-angle to 200mm telephoto. Although covering a wide range of focal lengths, the lens is lightweight and compact. Tamron has taken an uncompromising approach to optical performance, making liberal use of special lens elements to greatly suppress chromatic aberrations, making it possible to achieve high image quality from edge to edge. This innovative all-in-one zoom lens vividly captures virtually all possible scenes, from landscape photography to portrait photos and snapshots.

1 Maximum aperture in zoom range among currently available all-in-one interchangeable zoom lenses with a zoom ratio of 7x or higher (As of May, 2020: Tamron)

EISA AWARD Best Product 2020-2021 TRAVEL ZOOM LENS Tamron 28-200mm F/2.8-5.6 Di III RXD



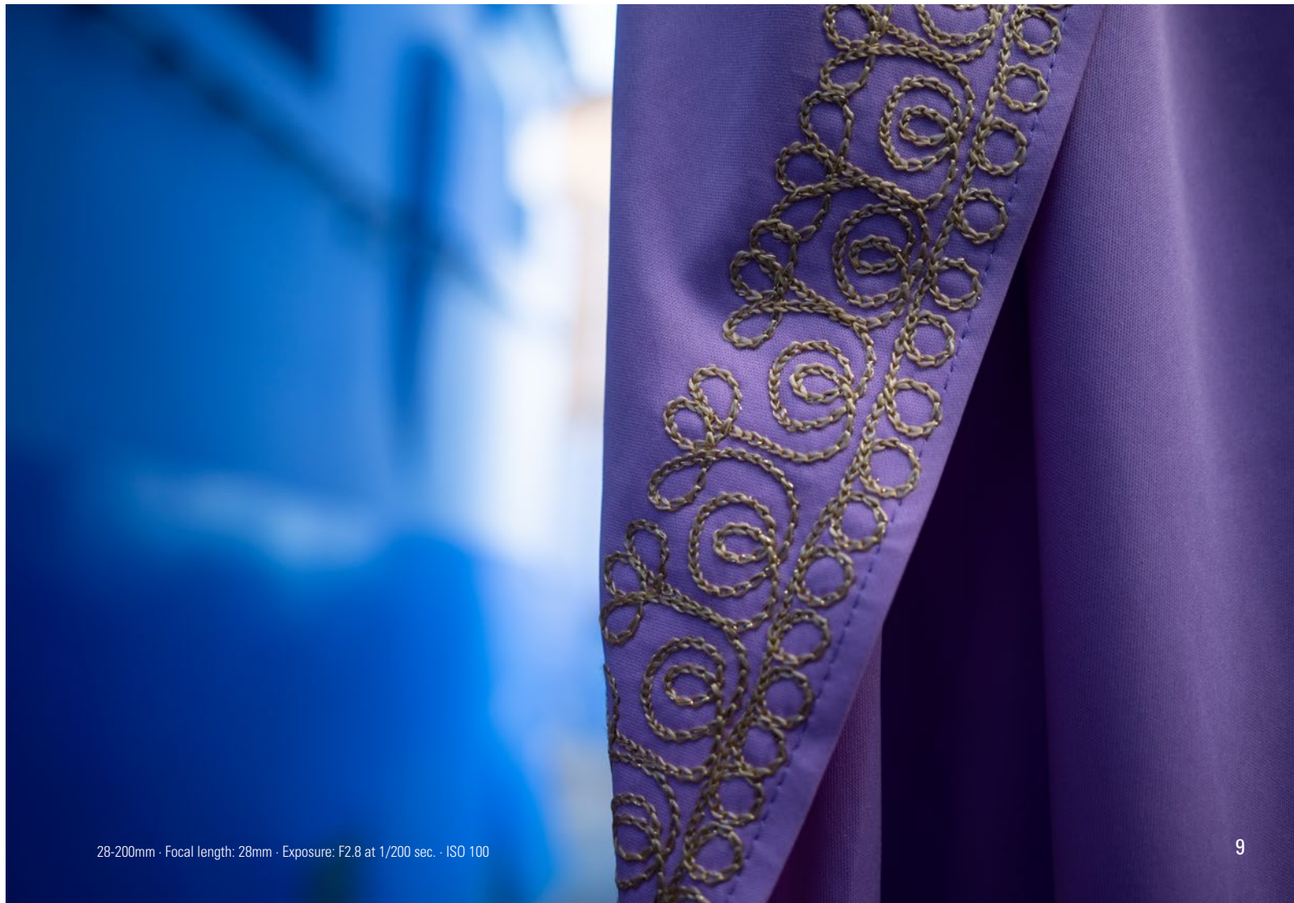
Optical Construction: 18 elements in 14 groups
Filter Size: ø67mm
Length: 117mm (4.6in)
Weight: 575g (20.3oz)
Minimum Object Distance: 0.19m (7.5in) [WIDE]
0.8m (31.5in) [TELE]

Di III | RXD | FLR | MR | LD | XLD | GM | ASL | IF | ZL

SONY E Model A071

* This product is developed, manufactured and sold based on the specifications of E-mount which was disclosed by Sony Corporation under the license agreement with Sony Corporation.

28-200mm · Focal length: 133mm · Exposure: F2.8 at 1/160 sec. · ISO 400



28-200mm · Focal length: 28mm · Exposure: F2.8 at 1/200 sec. · ISO 100

20mm · Focal length: 20mm · Exposure: F8 at 1/640 sec. · ISO 100

14-150mm · Focal length: 14mm · Exposure: F5 at 1/60 sec. · ISO 800

20mm & 24mm & 35mm F/2.8 Di III OSD M1:2

MIRRORLESS FULL FRAME NEW

Get up close with these wide-angle fixed focal lenses.
Small but mighty! Magnification ratio is 1:2.

In addition to F2.8 aperture, all have enhanced close-focusing capability (1:2 reproduction ratio). Choose the ultra-wide 20mm F2.8 (Model F050) to stretch your imagination. Or the 24mm F2.8 (Model F051) to widen your horizons. And the must-have lens for everyday use is the 35mm F2.8 (Model F053). For outstanding performance, each is constructed using special glass materials effectively arranged to quash aberrations.

* This product is developed, manufactured and sold based on the specifications of E-mount which was disclosed by Sony Corporation under the license agreement with Sony Corporation.

Get closer to your subject!

20mm F/2.8 Di III OSD M1:2

Optical Construction : 10 elements in 9 groups
Filter Size : ø67mm
Length : 64mm (2.5in)
Weight : 220g (7.8oz)
Minimum Object Distance : 0.11m (4.3in)

Di III | OSD | FLR | MR | LD | GM

SONY E | Model F050

24mm F/2.8 Di III OSD M1:2

Optical Construction : 10 elements in 9 groups
Filter Size : ø67mm
Length : 64mm (2.5in)
Weight : 215g (7.6oz)
Minimum Object Distance : 0.12m (4.7in)

Di III | OSD | FLR | MR | LD | GM

SONY E | Model F051

35mm F/2.8 Di III OSD M1:2

Optical Construction :9 elements in 8 groups
Filter Size : ø67mm
Length : 64mm (2.5in)
Weight : 210g (7.4oz)
Minimum Object Distance : 0.15m (5.9in)

Di III | OSD | FLR | MR | LD | GM

SONY E | Model F053

14-150mm F/3.5-5.8 Di III

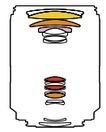
MICRO FourThirds MIRRORLESS

for Micro FourThirds 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.

* This lens cannot be used with digital SLR cameras with a built-in mirror box or with 35mm film SLR cameras.
* This product conforms to the "Micro Four Thirds System Standard" established by Olympus Imaging Corporation and Panasonic Corporation. Micro Four Thirds™ and the Micro Four Thirds logo marks are trademarks or registered trademarks of Olympus Imaging Corporation, in Japan, the United States, the European Union, and other countries. The company names and product names in this document are the trademarks or registered trademarks of their respective owners.

Di III | RXD | GM | ASL | LD | AD | ZL | MICRO FOUR THIRDS | Model C001



Optical Construction : 17 elements in 13 groups
Filter Size : ø52mm
Length : 80.4mm (3.2in)
Weight : 285g (10.1oz)
Minimum Object Distance : 0.5m (19.7in)

MIRRORLESS APS-C

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

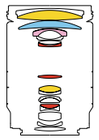
for mirrorless interchangeable-lens cameras (APS-C format): Canon, Sony

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 digital SLR cameras with a built-in mirror box or with 35mm film SLR cameras.
* 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.

Di III | VC | RXD | XR | GM | ASL | LD | IF | ZL

CANON EF-M | SONY E | Model B011



Optical Construction : 17 elements in 13 groups
Filter Size : ø62mm
Length : 96.7mm (3.8in)
Weight : 460g (16.2oz)
Minimum Object Distance : 0.5m (19.7in)

SP 15-30mm G2 · Focal length: 30mm · Exposure: F2.8 at 7.3 sec. · ISO 100

SP 24-70mm G2 · Focal length: 24mm · Exposure: F2.8 at 1/6 sec. · ISO 400

SP 15-30mm F/2.8 Di VC USD G2

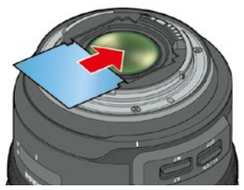
DSLR FULL FRAME

Fast, next-generation ultra wide-angle zoom lens.
Extraordinary image quality for professional demands.

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 image aberrations like distortion and lateral chromatic aberrations that are often seen with wide-angle lenses. The AX Coating, newly developed by Tamron, sets new standards in reducing ghost images and blind spots.

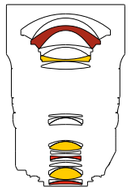
Di | SP | VC | USD | AX Coating | eBAND | FLR | MR | GM | XGM | LD | IF | DMPU

CANON EF | NIKON F Model A041



A filter holder that allows you to attach gelatin filters to the rear side of the lens is included as a standard feature (for Canon EF-mount only).

Impressive high AF performance and image stabilization



Optical Construction : 18 elements in 13 groups
Filter Size : N/A
Length : 142.5mm (5.6in)
Weight : 1.100g (38.8oz)
Minimum Object Distance : 0.28m (11in)

SP 24-70mm F/2.8 Di VC USD G2

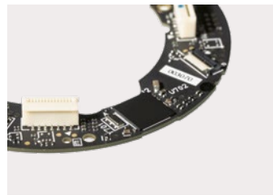
DSLR FULL FRAME

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 large-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.

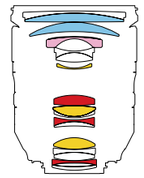
Di | SP | VC | USD | eBAND | MR | FLR | GM | ASL | XR | LD | ZL | IF | DMPU

CANON EF | NIKON F Model A032



The Dual MPU means digital signals from the VC image stabilization and USD autofocus are processed separately at high speed.

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



Optical Construction : 17 elements in 12 groups
Filter Size : ø82mm
Length : 108.5mm (4.3in)
Weight : 900g (31.7oz)
Minimum Object Distance : 0.38m (15in)

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

DSLR FULL FRAME

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

High resolution meets beautiful bokeh

Every aspect of the SP 70-200mm F2.8 G2 has been improved, providing high image quality and enhanced bokeh throughout.

Fast auto-focus and flexible VC image stabilization

Tamron's best-in-class VC image stabilization 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.

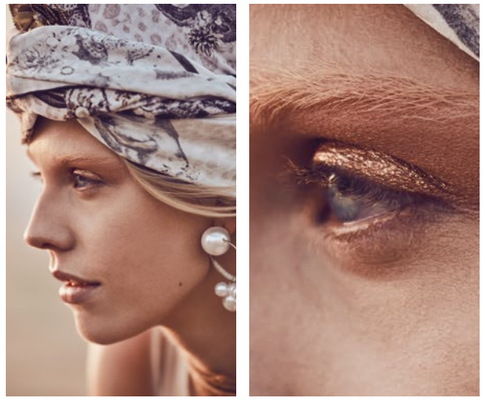
* Using in VC MODE 3 For Canon: 5D-MKIII is used For Nikon: D810 is used

Two optional tele converters available (1.4x and 2.0x)

The tripod mount ring is ARCA-SWISS compatible.

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

Outstanding high-resolution performance

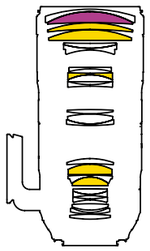


50-Mpx portrait picture made with the Model A025.
Highest optical performance achieved with use of the VC image stabilization.
Focal length: 200mm Exposure: F2.8 at 1/200sec. ISO: 125

The SP 70-200mm F2.8 G2 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 optional Tamron tele converters provides additional focal length.

Di SP VC USD eBAND MP+DR FLR XLD LD IF DMPU

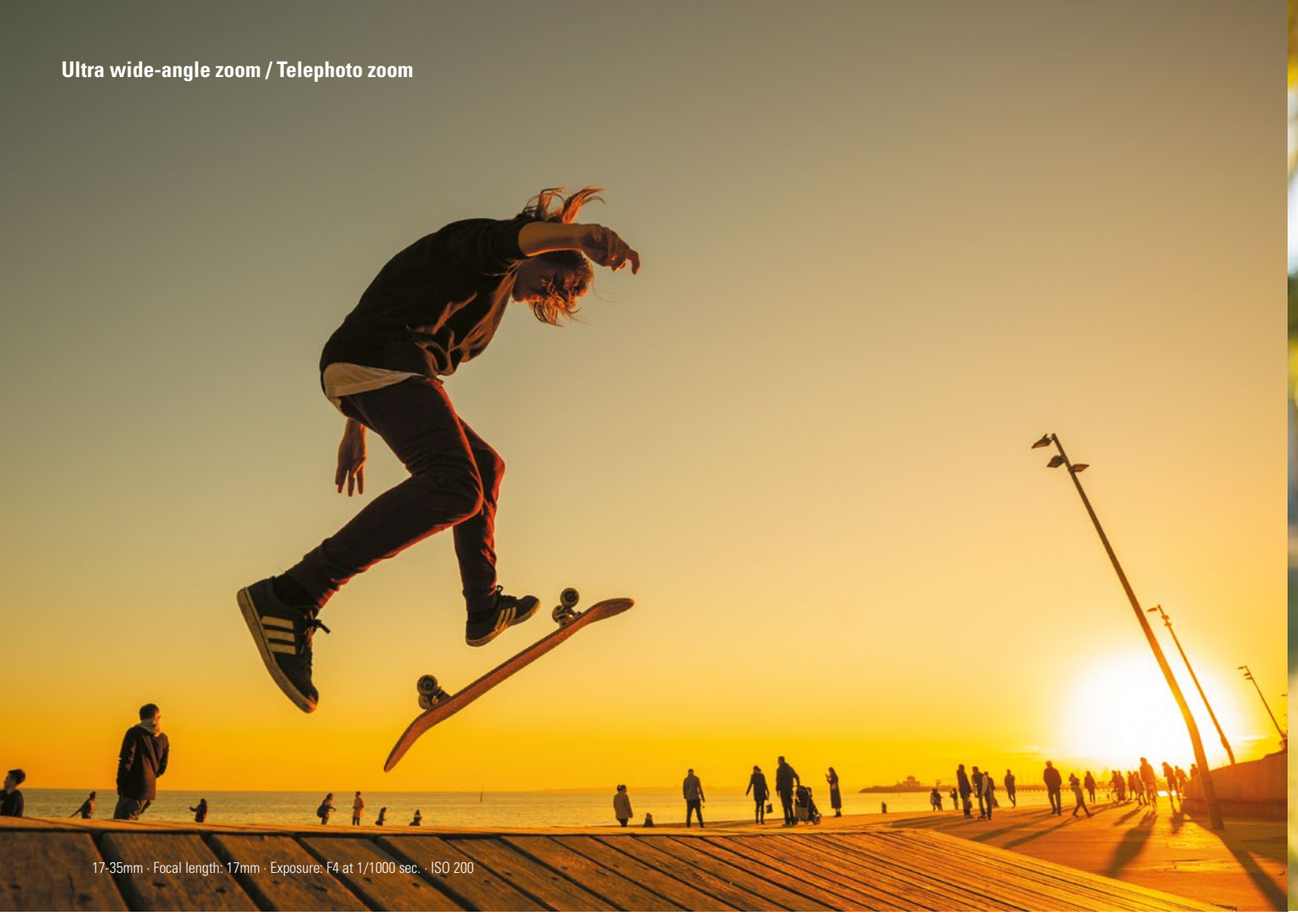
CANON EF NIKON F Model A025



Optical Construction : 23 elements in 17 groups
Filter Size : ø77mm
Length : 191.3mm (7.5in)
Weight : 1,485g (52.4oz)
Minimum Object Distance : 0.95m (37.4in)

SP 70-200mm G2 · Focal length: 200mm · Exposure: F2.8 at 1/2000 sec. · ISO 800

SP 70-200mm G2 · Focal length: 180mm · Exposure: F8 at 1/ 13 sec. · ISO 100



17-35mm · Focal length: 17mm · Exposure: F4 at 1/1000 sec. · ISO 200

35-150mm · Focal length: 35mm · Exposure: F2.8 at 1/1000 sec. · ISO 500

17-35mm F/2.8-4 Di OSD

DSLR FULL FRAME

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

With the total length of 90mm and a weight of 460g, the 17-35mm F2.8-4 is a lightweight and compact ultra wide-angle zoom lens. Four LD and two GM elements help largely correcting distortion and other optical aberrations. The lens casing is sealed against the weather, and the front lens is additionally protected with a Fluorine Coating. Also, the improved OSD allows quick, precise, and silent focusing.

* Among ultra wide-angle zoom lenses using an F-stop faster than F4 for 35mm full-size DSLR cameras. (As of July 2018: Tamron)

Di OSD FLR MR LD GM IF

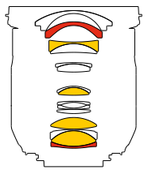
CANON EF NIKON F Model A037

The BBAR Coating effectively controls ghosting and flare

Focal length: 27mm Exposure: F11
1/250sec ISO 125

Perfect combo with the Model A043

Perfect combo with the 35-150mm F2.8-4 (Model A043), covering from 17mm wide to 150mm telephoto.



Optical Construction : 15 elements in 10 groups
Filter Size : ø77mm
Length : 90.0mm (3.5in)
Weight : 460g (16.2oz)
Minimum Object Distance : 0.28m (11in)

35-150mm F/2.8-4 Di VC OSD

DSLR FULL FRAME

The Portrait Zoom arrives with endless possibilities. This telephoto zoom lens extends photographic expression in unprecedented fashion.

The 35-150mm F2.8-4 covers a wide range of focal lengths from 35mm to 150mm, setting the focal length in the 85mm that is ideal for head and shoulder portraiture. For fast and steady operation, this exciting zoom incorporates Tamron's Dual MPU system, which strikes the perfect balance between AF performance and effective vibration compensation. Additionally, its optical performance tuned to accentuate the finest qualities of the subject combines clear image quality and soft bokeh at the highest level.

Di VC OSD FLR MR LD ASL

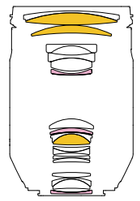
IF ZL DMPU CANON EF NIKON F Model A043

High resolution and brilliant bokeh accentuate any subjects

Focal length: 85mm
Exposure: F3.5 at 1/60sec. · ISO: 100

Perfect combo with Model A037

Perfect combo with the 17-35mm F2.8-4 (Model A037), covering from 17mm wide to 150mm telephoto.



Optical Construction : 19 elements in 14 groups
Filter Size : ø77mm
Length : 124.3mm (4.9in)
Weight : 790g (27.9oz)
Minimum Object Distance : 0.45m (17.7in)

70-210mm · Focal length: 165mm · Exposure: F4 at 1/4000 sec. · ISO 160

SP 150-600mm G2 · Focal length: 600mm · Exposure: F6.3 at 1/200 sec. · ISO 200

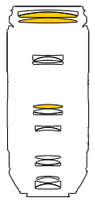
DSLR FULL FRAME

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

The 100-400mm F4.5-6.3 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.

Di | VC | USD | eBAND | MR | FLR | LD | IF | ZL | DMPU

CANON EF | NIKON F | Model A035



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 (59in)

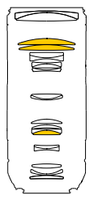
DSLR FULL FRAME

70-210mm F/4 Di VC USD

With the development of the 70-210mm F4, Tamron has drawn on its long and wide-ranging expertise in the construction of telephoto lenses. The result is a compact telephoto with the excellent optical performance for shots with very high-resolution and an excellent contrast ratio. The F4 aperture across the entire focal length range allows precise control of the depth of field and a beautiful bokeh effect.

Di | VC | USD | MR | FLR | LD | IF | DMPU

CANON EF | NIKON F | Model A034



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

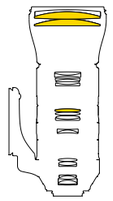
DSLR FULL FRAME

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 SP 150-600mm F5-6.3 has a 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.

Di | SP | VC | USD | eBAND | MR | FLR | LD | IF | ZL | DMPU

CANON EF | NIKON F | SONY A | Model A022



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)

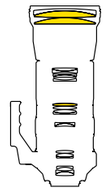
DSLR FULL FRAME

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

The VC image stabilization and USD motor will help you to take sharp photos of fast-moving and far-away subjects without a tripod. With a Full-time Manual Focusing mechanism, you can use manual focus to make fine focus adjustments.

Di | SP | VC | USD | eBAND | MR | LD | IF | ZL

CANON EF | NIKON F | Model A011



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)

SP 35mm F1.4 · Focal length: 35mm · Exposure: F1.4 at 1/250 sec. · ISO 400

SP 35mm F/1.4 Di USD

DSLR FULL FRAME

Breathtaking sharpness - velvety, soft bokeh - uncompromised performance.
The culmination of our relentless obsession to deliver the ultimate image quality.

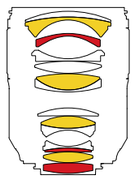
To deliver a perfect image to people who love photography; that's our obsessive goal for all Tamron lenses. The SP 35mm F1.4 is our most shining example. The exceptional image quality makes it worthy of being the lens that marks the milestone 40th anniversary of the SP Series. Uncompromising resolution combines with a velvety bokeh that gently blends away from the ultra-sharp focus area. Truly, the SP 35mm F1.4 is the distillation of all of the optical technologies and manufacturing know-how that Tamron has developed.

Di SP USD FLR MR LD GM IF

CANON EF NIKON F Model F045

Ultimate optical performance

Focal length: 35mm · Exposure: F1.4 at 1/800sec. · ISO: 100



Optical Construction : 14 elements in 10 groups
Filter Size : ø72mm
Length : 102.3mm (4in)
Weight : 805g (28.4oz)
Minimum Object Distance : 0.3m (11.8in)

SP 35mm F1.8 · Focal length: 35mm · Exposure: F4 at 1/60 sec. · ISO 400

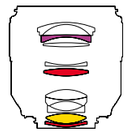
SP 35mm F/1.8 Di VC USD

DSLR FULL FRAME

A fast-aperture 35mm is 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.

Di SP VC USD eBAND MR FLR GM LD XLD CANON EF NIKON F SONY A Model F012

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



Optical Construction : 10 elements in 9 groups
Filter Size : ø67mm
Length : 78.3mm (3.1in)
Weight : 450g (15.9oz)
Minimum Object Distance : 0.2m (7.9in)

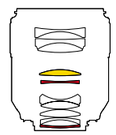
SP 45mm F/1.8 Di VC USD

DSLR FULL FRAME

Advanced optical design and use of special glass elements, including aspherical and LD lens 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.

Di SP VC USD eBAND MR FLR GM LD CANON EF NIKON F SONY A Model F013

* As of July 2015, Source: Tamron ** In comparison with current 45mm and 50mm prime lenses for DSLR with full-format sensors (As of July 2015: Tamron)



Optical Construction : 10 elements in 8 groups
Filter Size : ø67mm
Length : 89.2mm (3.5in)
Weight : 520g (18.3oz)
Minimum Object Distance : 0.29m (11.4in)

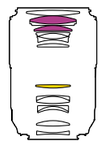
SP 90mm F/2.8 Di MACRO 1:1 VC USD

DSLR FULL FRAME

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.

Di SP VC USD eBAND MP+DR FLR LD XLD IF

CANON EF NIKON F SONY A Model F017



Optical Construction : 14 elements in 11 groups
Filter Size : ø62mm
Length : 114.6mm (4.5in)
Weight : 600g (21.2oz)
Minimum Object Distance : 0.3m (11.8in)

18-400mm · Focal length: 135mm · Exposure: F5.6 at 1/160 sec. · ISO 400

18-400mm F/3.5-6.3 Di II VC HLD

DSLR APS-C

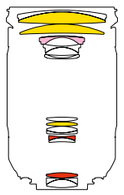
One moment, no limits. Discover new opportunities with the world's first* 22.2x ultra-telephoto all-in-one zoom lens.

The 18-400mm F3.5-6.3 all-in-one zoom lens offers limitless photography fun. With a focal length range from 28mm to 620mm converted for full-frame 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.

Di II | VC | HLD | MR | GM | ASL | LD | IF | ZL | CANON EF | NIKON F | Model B028

Focal length comparison

18mm (28mm) ⟷ **400mm** (620mm)



Optical Construction : 16 elements in 11 groups
Filter Size : ø72mm
Length : 121.4mm (4.8in)
Weight : 705g (24.9oz)
Minimum Object Distance : 0.45m (17.7in)

* Among currently available interchangeable lenses for DSLR cameras (May 2017; Tamron)

10-24mm F/3.5-4.5 Di II VC HLD

DSLR APS-C

This compact ultra wide-angle zoom lens for APS-C DSLR cameras covers the focal length from 10mm to 24mm (the full-frame equivalent of 16-37mm). With high image performance, it also includes state-of-the-art Tamron technology like VC image stabilization, a HLD, Fluorine Coating, and Moisture-Resistant Construction.

Di II | VC | HLD | FLR | MR | GM | XLD | LD | ASL | IF | DMPU

CANON EF | NIKON F | Model B023

Optical Construction : 16 elements in 11 groups
Filter Size : ø77mm
Length : 82.1mm (3.2in)
Weight : 440g (15.5oz)
Minimum Object Distance : 0.24m (9.4in)

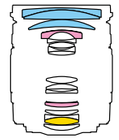
SP AF17-50mm F/2.8 XR Di II LD Aspherical [IF]

DSLR APS-C

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 F2.8 aperture lens.

Di II | SP | XR | ASL | LD | IF | ZL

CANON EF | NIKON F | SONY A | Model A16



Optical Construction : 16 elements in 13 groups
Filter Size : ø67mm
Length : 83.2mm (3.3in)
Weight : 440g (15.5oz)
Minimum Object Distance : 0.27m (10.6in)

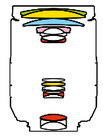
16-300mm F/3.5-6.3 Di II VC PZD MACRO

DSLR APS-C

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.

Di II | VC | PZD | MR | XR | UXR | ASL | LD | GM | IF | ZL

CANON EF | NIKON F | Model B016



Optical Construction : 16 elements in 12 groups
Filter Size : ø67mm
Length : 99.5mm (3.9in)
Weight : 540g (19oz)
Minimum Object Distance : 0.39m (15.3in)

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

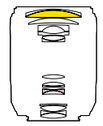
DSLR APS-C

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)

Di II | VC | MR | ASL | LD | IF | ZL

CANON EF | NIKON F | SONY A | Model B018



Optical Construction : 16 elements in 14 groups
Filter Size : ø62mm
Length : 94.1mm (3.7in)
Weight : 400g (14.1oz)
Minimum Object Distance : 0.49m - 0.77m (19.3in - 30.3in)

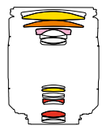
18-270mm F/3.5-6.3 Di II VC PZD

DSLR APS-C

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.

Di II | VC | PZD | FLR | GM | ASL | LD | AD | IF | ZL

CANON EF | NIKON F | Model B008TS



Optical Construction : 16 elements in 13 groups
Filter Size : ø62mm
Length : 88mm (3.5in)
Weight : 450g (15.9oz)
Minimum Object Distance : 0.49m (19.3in)

Broadening the possibilities of photographic expression with

TAMRON LENS TECHNOLOGIES

Camera Compatibility

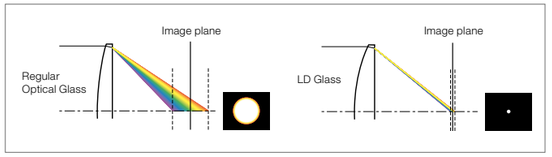
The designation Di (Digitally Integrated) refers to a lens developed specially for the exacting requirements of digital cameras. Please ensure when purchasing that the lens has the correct mount for your camera system.

- Di — For full-frame DSLR cameras
- Di II — For APS-C DSLR cameras
- Di III — For mirrorless cameras

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

LD (Low Dispersion) Lens Elements LD

LD lens 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 (diffract) 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).



The difference in chromatic aberration between normal optical glass and LD glass elements (schematic diagram)

XLD (eXtra Low Dispersion) Lens Elements XLD

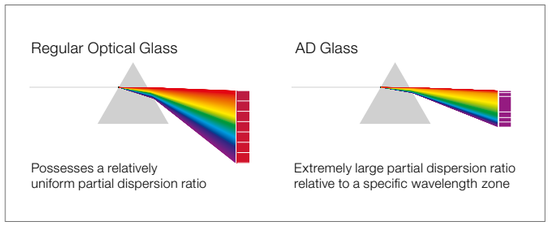
XLD lens elements made from specialized ultra-high-grade glass allow Tamron lens designers to achieve much greater control over chromatic aberration (color fringing) and magnification aberrations, the two major factors that inhibit image quality enhancement. In combination with LD lens elements, XLD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

Superior Performance for Discriminating Shooters SP

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.

AD (Anomalous Dispersion) Lens Elements AD

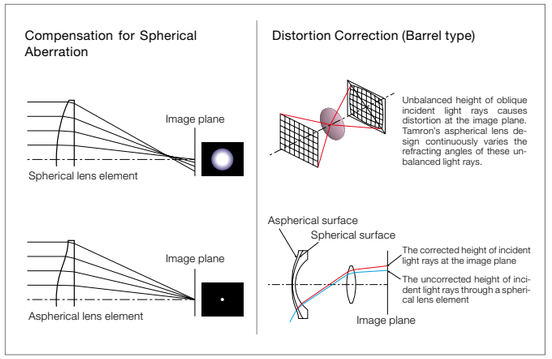
AD lens element is a special type of optical glass that is used to achieve more precise control of chromatic aberrations, thereby enhancing overall imaging performance. Glass of this type provides an abnormally large partial dispersion ratio (amount of diffraction) for light of specific wavelength ranges (colors) within the visible spectrum. By combining AD lens element 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 on-axis (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 (or zooms used at wide-angle settings).



The difference in partial dispersion factors between normal optical glass and AD lens elements (schematic diagram)

Hybrid Aspherical Lens Elements Provide the Ultimate in Image Quality and Compactness ASL

Tamron uses several Hybrid Aspherical lens elements and other lenses bearing the aspherical designation. These innovative optics allow us to achieve the ultimate in image quality, and at the same time produce lenses that 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 series. 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 produce remarkably compact long-range lenses that deliver a uniformly high level of image quality at all focal lengths and apertures.



Compensation effect with an aspherical lens element (schematic diagram)

XR (Extra Refractive Index) Lens Elements UXR (Ultra Extra Refractive Index) Lens Elements XR UXR

By minimizing the overall length of the optical system, Tamron has succeeded in drastically reducing lens diameter and reducing overall lens size for the same focal length and same maximum F-number. By utilizing XR lens element, Tamron has achieved a compact size together with good correction of aberrations while maintaining the optimum balance of overall optical power. Moreover, through the active utilization of UXR lens element, Tamron has developed even more compact designs while achieving good correction of aberrations.

Principles enabling more compact sizes at the same lens brightness

XR lens element, with its superior light-bending power, makes it possible to design a short-barrel lens with the same light-gathering ability (aperture value) as a long-barrel lens—even with a smaller lens diameter. By using this principle Tamron has been able to shorten the length of the entire optical system and produce lighter, more compact lenses of the same speed, and also to provide greater zoom ranges in lenses that are much more convenient to carry and hand-hold.

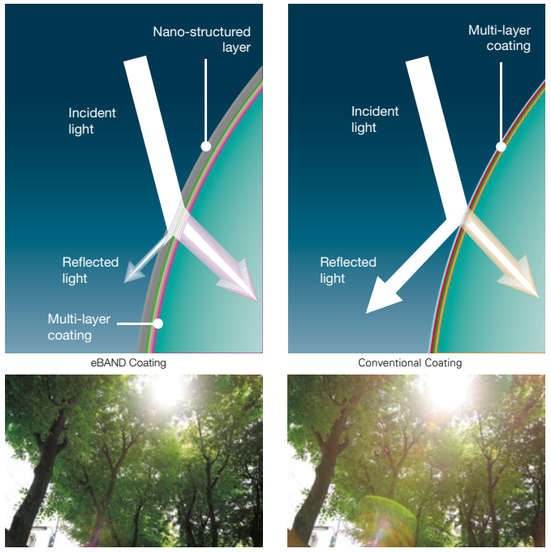
GM (Glass Molded Aspherical) Lens Elements GM
XGM (eXpanded Glass Molded Aspherical) Lens Elements XGM

The XGM lens element is capable of efficiently correcting aberrations in the angle of view that changes significantly with an ultra wide-angle zoom lens. It has an especially significant impact on minimizing distortion and enhancing the sharpness of the image at its periphery. Furthermore, the molded-glass manufacturing method allows the fabrication of a wider range of lens shapes than the composite aspherical lens method. Moreover, XGM also effectively controls aberrations and reduces total lens size.

eBAND (Extended Bandwidth & Angular-Dependency) Coating eBAND

This coating technique developed by Tamron deploys a nano-structured layer (1nm = 1/1,000,000mm) of ultra-low refractive index, with dimensions smaller than the wavelengths of visible rays of light. This nano-structured layer coupled with the sophisticated multiple layer coatings underneath, yields significant anti-reflection properties, efficiently reducing undesired flare and ghosting to an absolute minimum to deliver sharp, crisp images.

Schematic Diagram



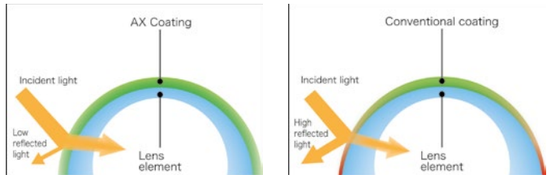
Lenses with eBAND Coating offer dramatically improved control over flare and ghosting even in extremely poor light conditions.

BBAR (Broad-Band Anti-Reflection) Coating
BBAR (Broad-Band Anti-Reflection) G2 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 cause ghosting and flare images. The BBAR Coating technique also 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. Plus, SP 35mm F1.4 (Model F045) applies newly-developed second-generation BBAR-G2 Coating, which provides vastly improved performance compared to the original coating. It corrects for ghosting and flare to an unprecedented extent, and renders fine subject detail with true clarity and stunning contrast even under backlit conditions.

AX (Anti-reflection eXpand) Coating AX Coating

A 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 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.



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

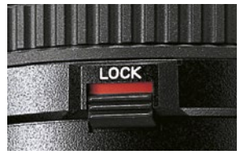
- ASL lens element
- LD lens element
- XLD lens element
- AD lens element
- XR lens element
- UXR lens element
- GM lens element
- XGM lens element

IF (Internal Focusing) System IF

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's IF system provides a much closer MOD (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 (vignetting), and helps to suppress other aberrations that become more troublesome at different focusing positions.

ZL (Zoom Lock) Feature ZL

The original Tamron mechanical engineering concept is ZL, 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.
*SP 150-600mm F5-6.3 G2 (Model A022) exclusive

Multiple-Cam Zoom 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 incorporates several precision cams cut into a single cylindrical surface using high-tech automated 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 precision 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.

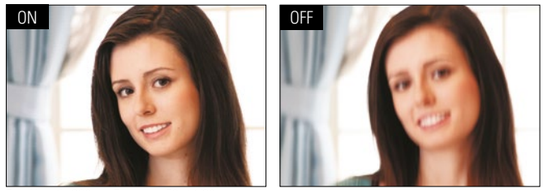
Engineering Plastics Technology

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.

Introducing "VC" — Tamron's Unique Vibration Compensation Mechanism VC

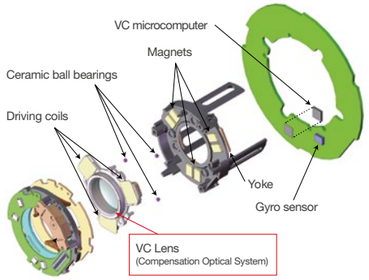
Tamron's unique VC (Vibration Compensation) mechanism uses a proprietary actuator and algorithms to deliver an extremely stable viewfinder image with excellent tracking. The mechanism uses a three-coil system to electromagnetically drive the lens element that compensates for vibration, which glides smoothly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

Taken under the same conditions using a vibrating table



Focal length: 300mm Exposure: F9 at 1/30 sec

Expanded VC (Vibration Compensation) Schematic Diagram [for Model B016]



USD (Ultrasonic Silent Drive) USD

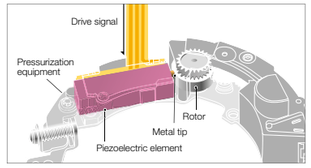
USD is an ingeniously upgraded AF drive system developed by Tamron to deliver the extraordinary autofocusing speed and precision needed to capture every nuance of high-speed sports action, along with virtually noiseless operation as required for discreet picture taking. Based on advanced motor technology and newly developed software, it employs a piezoelectric ceramic element to generate two high-frequency ultrasonic vibrations on the motor's stator ring. This in turn causes the adjacent metallic rotor to rotate by means of deflective traveling waves when voltage of a specific frequency is applied. This advanced electronically controlled AF system is linked to a precision focusing helical that moves the lens to the precise focus point. The result: a remarkable new level of AF speed, accuracy, smoothness, and silence.

HLD (High/Low torque-modulated Drive) HLD

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) PZD

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 swiveling motion, causing the metal tip at the rotor's contact point to rotate elliptically, 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 far greater flexibility in lens design, reducing the overall size and weight of the lens.

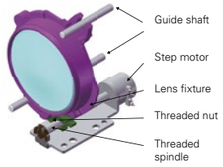


OSD (Optimized Silent Drive) OSD

OSD module allows 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.

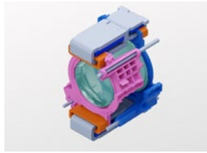
RXD (Rapid eXtra-silent stepping Drive) Motor RXD

RXD is a 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 that also allows videographers to keep moving objects in focus continually. All the while, the AF works so quietly that there is no interference in the video from focusing noise.



VXD (Voice-coil eXtreme-torque Drive) VXD

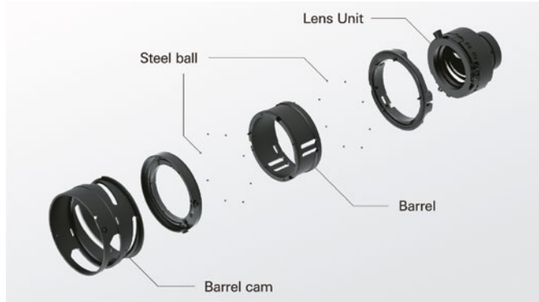
VXD is first-ever linear motor focus mechanism for stunningly fast and accurate auto-focusing. Focus tracking has also been vastly improved during sports and racing photography. This ensures that those powerful moments are never missed, whether shooting still photos or video. With the excellent quietness that is characteristic of linear motor systems, the AF is ideal for shooting in low-noise environments.



* Two VXS units are arranged in the Model A056

Dynamic Rolling-cam mechanism

Thanks to Tamron's developed Dynamic Rolling-cam mechanism, which operates the heavy focusing unit of the large aperture with high speed and accuracy, Tamron has succeeded in minimizing the drive load placed on the focus lens component. This breakthrough ensures stable AF operating performance and improves reliability even under the harsh shooting conditions of professional use, including high and low temperature extremes.

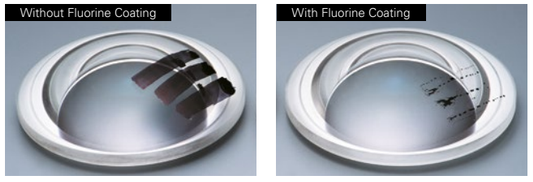


Dual MPU (Micro-Processing Unit) DMPU

This is a micro processing unit incorporating two different microchips. Two separate processor units mean that digital signals from the VC image stabilization and autofocus are processed separately at maximum speed. This means, for example, that commands from the camera and AF motor can be interpreted at lightning speed and implemented precisely.

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.



Moisture-Proof and Dust-Resistant Construction MP+DR

Moisture-Proof and Dust-Resistant Construction has been improved to an exceptionally high standard in lens protection, preventing any intrusion of dirt, dust, or raindrops. A rubber seal protects each switch on the lens, and sealant material 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.

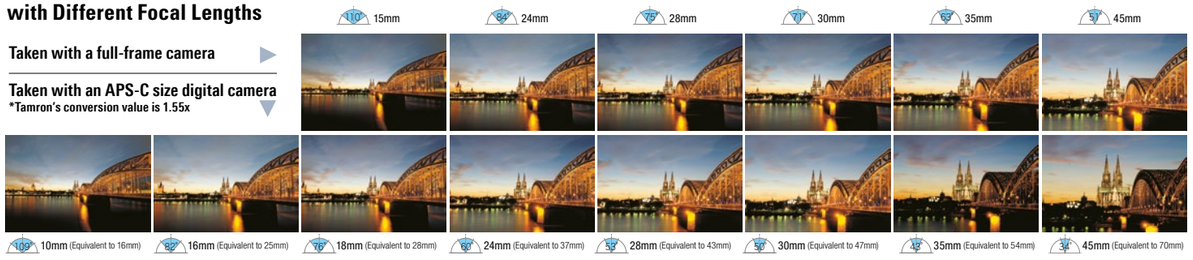
Moisture-Resistant Construction MR

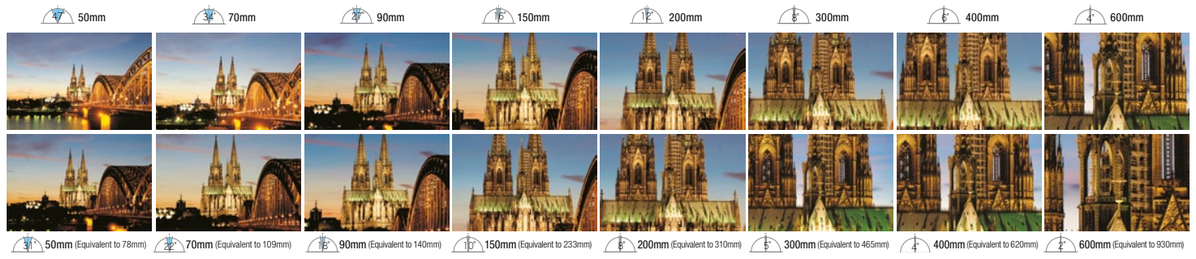
For greater protection when shooting outdoors, leak-resistant seals throughout the lens barrel help protect your equipment.

Different Angles of View with Different Focal Lengths

Taken with a full-frame camera

Taken with an APS-C size digital camera
***Tamron's conversion value is 1.55x**





Lens	TAP-in-Console (optional)	Teleconverter (optional)	Tripod mount (optional)	Tripod mount (included)
10-24mm F/3.5-4.5 Di II VC HLD	•			
SP 15-30mm F/2.8 Di VC USD G2	•			
17-35mm F/2.8-4 Di OSD	•			
18-400mm F/3.5-6.3 Di II VC HLD	•			
SP 24-70mm F/2.8 Di VC USD G2	•			
35-150mm F/2.8-4 Di VC OSD	•			
SP 70-200mm F/2.8 Di VC USD G2	•	•		•
70-210mm F/4 Di VC USD	•	•	•	
100-400mm F/4.5-6.3 Di VC USD	•	•	•	
SP 150-600mm F/5-6.3 Di VC USD G2	•	•		•
SP 150-600mm F/5-6.3 Di VC USD			• (Long ver.)	•
SP 35mm F/1.4 Di USD	•			
SP 35mm F/1.8 Di VC USD	•			
SP 45mm F/1.8 Di VC USD	•			
SP 90mm F/2.8 Di MACRO 1:1 VC USD	•			

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.

CANON EF | NIKON F | SONY A

Download the TAP-in Utility Software from:
http://www.tamron.co.jp/software/en/tapin/

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.

CANON EF | NIKON F

LEFT: TC-X14 (1.4x)
RIGHT: 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 150-600mm (Model A011) is not ARCA-SWISS compatible.

Lens Specifications

CAMERA TYPE	FORMAT	Product name	PAGE	MODEL	FOCAL LENGTH (mm)	ANGLE OF VIEW (diagonal) ( ) = values for cameras with APS-C sensor	MAXIMUM APERTURE	MINIMUM APERTURE	APERTURE BLADES [2]	OPTICAL CONSTRUCTION Elements/groups	MINIMUM OBJECT DISTANCE m (in.)	MAX. MAG. RATIO	FILTER SIZE (mm)	WEIGHT [4] g (oz.)	DIAMETER × LENGTH [5] mm (in.)	CANON	NIKON	SONY	LENS HOODS	NOTES
	FULL FRAME	**Di III** For mirrorless cameras																		
		17-28mm F/2.8 Di III RXD	4	A046	17-28	103°41'-75°23' (79°55'-53°55')	2.8	22	9 circular diaphragm	13-11	0.19-0.26 (7.5-10.2)	1:5.2 (WIDE) 1:6 (TELE)	67	420 (14.8)	73×99 (3.9)			●	⚬HA046	
		28-75mm F/2.8 Di III RXD	5	A036	28-75	75°23'-32°11' (52°58'-21°05')	2.8	22	9 circular diaphragm	15-12	0.19-0.39 (7.5-15.3)	1:2.9 (WIDE) 1:4 (TELE)	67	550 (19.4)	73 × 117.8 (4.6)			●	⚬HA036	
		28-200mm F/2.8-5.6 Di III RXD **NEW**	8	A071	28-200	75°23'-12°21'	2.8-5.6	16-32	7 circular diaphragm	18-14	0.19-0.8 (7.5-31.5)	1:3.1 (WIDE) 1:3.8 (TELE)	67	575 (20.3)	74 × 117 (4.6)			●	⚬HA036	
		70-180mm F/2.8 Di III VXD **NEW**	6	A056	70-180	34°21'-13°42'	2.8	22	9 circular diaphragm	19-14	0.85 (33.5) [AF]	1:4.6 (WIDE) 1:2 (TELE)	67	810 (28.6)	81 × 149 (5.9)			●	⚬HA056	
		70-300mm F/4.5-6.3 Di III RXD **NEW**	7	A047	70-300	34°21'-13°42' (23°00'-5°26')	4.5-6.3	22-32	7 circular diaphragm	15-10	0.8-1.5 (31.5-59.1)	1:9.4 (WIDE) 1:5.1 (TELE)	67	545 (19.2)	77 × 148 (5.8)			●	⚬HA047	
		20mm F/2.8 Di III OSD M1:2 **NEW**	10	F050	20	94°30'	2.8	22	7 circular diaphragm	10-9	0.11 (4.3)	1:2	67	220 (7.8)	73 × 64 (2.5)			●	⚬HF050	
		24mm F/2.8 Di III OSD M1:2 **NEW**	10	F051	24	84°04'	2.8	22	7 circular diaphragm	10-9	0.12 (4.7)	1:2	67	215 (7.6)	73 × 64 (2.5)			●	⚬HF050	
		35mm F/2.8 Di III OSD M1:2 **NEW**	10	F053	35	63°26'	2.8	22	7 circular diaphragm	9-8	0.15 (5.9)	1:2	67	210 (7.4)	73 × 64 (2.5)			●	HF053	
	APS-C	18-200mm F/3.5–6.3 Di III VC	11	B011	18-200	75°33'-7°59'	3.5-6.3	22-40	7	17-13	0.5 (19.7) [3]	1 : 3.7	62	460 (16.2)**	68 × 96.7 (3.8)**	●		●	⚬HB011	Available in two colour variations: Black and Silver; ** Weight and diameter × length (total length) values apply to the corresponding model with Sony mount.
	MICRO FOUR THIRDS	14-150mm F/3.5-5.8 Di III	11	C001	14-150	75°22'-8°15' *	3.5-5.8	22	7 circular diaphragm	17-13	0.5 (19.7) [3]	1 : 3.8	52	285 (10.1)	63.5 × 80.4 (3.2)				⚬HC001	Available in two color variations: Black and Silver * Angle of view for aspect ratio 4 : 3
DSLR	FULL FRAME	**Di** For full-frame DSLR cameras																		
		SP 15-30mm F/2.8 Di VC USD G2	12	A041	15-30	110°32'-71°35' (85°52' - 49°54')	2.8	22	9 circular diaphragm	18-13	0.28 (11)[3]	1:5	N/A	1,100 (38.8)	98.4 × 142.5 (5.6)	●	●		N/A	The lens hood is permanently connected to the lens Included: Lens pouch · Optional: TAP-in Console
		17-35mm F/2.8-4 Di OSD	16	A037	17-35	103°41'-63°26' (78°46'-43°29')	2.8-4	16-22	7 circular diaphragm	15-10	0.28 (11)[3]	1 : 4.9	77	460 (16.2)	83.6 × 90 (3.5)	●	●		⚬HB023	Optional: TAP-in Console
		SP 24-70mm F/2.8 Di VC USD G2	13	A032	24-70	84°04'-34°21' (60°20'–22°22')	2.8	22	9 circular diaphragm	17-12	0.38 (15) [3]	1 : 5	82	900 (31.7)	88.4 × 108.5 (4.3)	●	●		⚬HA032	Included: Lens pouch Optional: TAP-in Console
		35-150mm F/2.8-4 Di VC OSD	17	A043	35-150	63°26'-16°25' (43°29'-10°38')	2.8-4	16-22	9 circular diaphragm	19-14	0.45 (17.7) [3]	1:3.7	77	790 (27.9)	84×124.3 (4.9)	●	●		⚬HA043	Optional: TAP-in Console
		SP 70-200mm F/2.8 Di VC USD G2	14	A025	70-200	34°21'-12°21' (22°33'-7°59')	2.8	22	9 circular diaphragm	23-17	0.95 (37.4) [3]	1 : 6.1	77	1,485 (52.4)	88 × 191.3 (7.5)	●	●		⚬HA025	Included: Lens pouch, tripod mount Optional: 1.4x/2.0x teleconverter, TAP-in Console
		70-210mm F/4 Di VC USD	18	A034	70-210	34°21'-11°46' (23°01'-7°46')	4	32	9 circular diaphragm	20-14	0.95 (37.4) [3]	1 : 3.1	67	850 (30)	76 × 174 (6.8)	●	●		⚬HA034	Optional: 1.4x/2.0x teleconverter, tripod mount, TAP-in Console
		100-400mm F/4.5-6.3 Di VC USD	18	A035	100-400	24°24'-6°12' (15°54'-4°01')	4.5-6.3	32-45	9 circular diaphragm	17-11	1.5 (59) [3]	1 : 3.6	67	1,115 (39.3)	86.2 × 196.5 (7.7)	●	●		○HA035	Optional: 1.4x/2.0x teleconverter, tripod mount, TAP-in Console
		SP 150-600mm F/5-6.3 Di VC USD G2 [1]	19	A022	150-600	16°25'-4°8' (10°38'-2°40')	5-6.3	32-40	9 circular diaphragm	21-13	2.2 (86.6) [3]	1 : 3.9	95	1,990 (70.2)	108.4 × 257.7 (10.1)	●	●	●	○HA022	Included: Lens pouch, tripod mount Optional: 1.4x/2.0x teleconverter, TAP-in Console
		SP 150-600mm F/5-6.3 Di VC USD	19	A011	150-600	16°25'-4°8' (10°38'-2°40')	5-6.3	32-40	9 circular diaphragm	20-13	2.7 (106.3) [3]	1 : 5	95	1,951 (68.8)	105.6 × 257.8 (10.1)	●	●		○HA011	Included: Tripod mount Optional: Lens case, tripod mount (long ver.)
		SP 35mm F/1.4 Di USD	20	F045	35	63°26' (43°29')	1.4	16	9 circular diaphragm	14-10	0.3 (11.8)	1:5	72	805 (28.4)	80.9×102.3 (4)	●	●		⚬HF045	Included: Lens pouch Optional: TAP-in Console
		SP 35mm F/1.8 Di VC USD [1]	21	F012	35	63°26' (43°29')	1.8	16	9 circular diaphragm	10-9	0.2 (7.9)	1 : 2.5	67	450 (15.9)	80.4 × 78.3 (3.1)	●	●	●	⚬HF012	Optional: TAP-in Console
		SP 45mm F/1.8 Di VC USD [1]	21	F013	45	51°21' (34°28')	1.8	16	9 circular diaphragm	10-8	0.29 (11.4)	1 : 3.4	67	520 (18.3)	80.4 × 89.2 (3.5)	●	●	●	⚬HF013	Optional: TAP-in Console
		SP 90mm F/2.8 Di MACRO 1:1 VC USD [1]	21	F017	90	27°2' (17°37')	2.8	32	9 circular diaphragm	14-11	0.3 (11.8)	1 : 1	62	600 (21.2)	79 × 114.6 (4.5)	●	●	●	○HF017	Optional: TAP-in Console
	APS-C	**Di II** For APS-C DSLR cameras																		
		10-24mm F/3.5-4.5 Di II VC HLD	23	B023	10-24	108°44'-60°20'	3.5-4.5	22-29	7 circular diaphragm	16-11	0.24 (9.4) [3]	1 : 5.3	77	440 (15.5)	83.6 × 82.1 (3.2)	●	●		⚬HB023	Optional: TAP-in Console
		16-300mm F/3.5-6.3 Di II VC PZD MACRO	23	B016	16-300	82°12'-5°20'	3.5-6.3	22-40	7 circular diaphragm	16-12	0.39 (15.3) [3]	1 : 2.9	67	540 (19)	75 × 99.5 (3.9)	●	●		⚬HB016	
		SP AF17-50mm F/2.8 XR Di II LD Aspherical [IF]	23	A16	17-50	78°45'-31°11'	2.8	32	7	16-13	0.27 (10.6)[3]	1 : 4.5	67	440 (15.5)	73.8 × 83.2 (3.3)	●	●	●	⚬DA09	
		18-200mm F/3.5-6.3 Di II VC [1]	23	B018	18-200	75°33'-7°59'	3.5-6.3	22-40	7 circular diaphragm	16-14	0.49-0.77 (19.3-30.3)	1 : 4	62	400 (14.1)	75 × 94.1 (3.7)	●	●	●	⚬HB018	
		18-270mm F/3.5-6.3 Di II VC PZD	23	B008TS	18-270	75°33'-5°55'	3.5-6.3	22-40	7	16-13	0.49 (19.3) [3]	1 : 3.8	62	450 (15.9)	74.4 × 88.0 (3.5)	●	●		⚬DA018	
		18-400mm F/3.5-6.3 Di II VC HLD	22	B028	18-400	75°33'-4°	3.5-6.3	22-40	7 circular diaphragm	16-11	0.45 (17.7) [3]	1 : 2.9	72	705 (24.9)	79 × 121.4 (4.8)	●	●		⚬HB028	Optional: TAP-in Console

Notes

The use of certain Di and Di II lenses with mirrorless cameras is available via the manufacturer's adapter depending on the lens model. Please visit Tamron's support website for details: https://www.tamron.jp/en/support/

1 SONY* The Sony mounts (A16, A022, B018, F012, F013, F017) are supplied without VC image stabilization, as Sony's digital single lens reflex cameras are already fitted with an internal image stabilization. As a consequence, the abbreviation "VC" is missing in these lens designations.

2 This circular diaphragm retains a nearly circular shape even at two stops down from its maximum aperture.

3 Minimum Object Distance over the entire range of focal lengths.

4 Weight including the removable tripod mount ring. Unless otherwise indicated, the information applies to the model with the Nikon mount.

5 Length is the distance from the front tip of the lens to the lens mount face. The weight and diameter x length values apply to the DSLR designed models with the Nikon mount.

Notes on Model B011

When using the AF-C 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. Even 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 (AF-C) 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 followings 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

⚬ indicates a flower-shaped hood
○ indicates a round-shaped hood

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 minimizes the risk of dispersion and ghost images on the inside 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.

“Human Focus”

I want to take more family photos and preserve precious memories.
I prefer to take lightweight, compact equipment on a trip.
I don’t compromise on image quality because I photograph things that are very special to me.
I want to pursue my own creative expression in photography.

The factors that motivate enthusiastic photographers vary widely.
We want to respond to all their passions.

Like catching light, observe each person’s wish to focus on it in a lens.
Our goal is to understand their motivations and produce lenses that appeal to those motives.

Tamron lenses are always with you, like a best friend.
They are reliable, capable, and comfortable.
They inspire and motivate you, whether you are a beginner or professional.

Tamron will remain user-centric and study people while designing and manufacturing lenses so that users around the world can fully continue to enjoy photography in their own way.

TAMRON

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Management on Quality and Environment

Tamron is certified with international standards: ISO 9001 for quality and ISO14001 for environmental management at its headquarters, domestic sales offices, China plant as well as production facilities in Aomori, Japan, and is fully committed to striving for continued and sustainable improvement at all levels and facets of its business operations.

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