

# TAMRON

## Lens Catalogue

THE BEST LENSES MAKE  
THE BEST PHOTOS



[www.tamron-usa.com](http://www.tamron-usa.com)

# All-In-One™ Zooms

## **new** 28-200mm F/2.8-5.6 Di III RXD (Model A071)

**The world's first all-in-one-zoom starting at F2.8 for mirrorless.** This new lens takes the convenience of an all-in-one zoom and adds a fast maximum aperture of F2.8 and remarkable image quality to enhance the potential for photographic applications. With its 4.6" length, 20.3 oz. weight, and filter diameter of a mere 67mm, the zoom offers excellent portability.



**Di III**  
for mirrorless  
interchangeable  
lens cameras



**Di III**  
for mirrorless  
interchangeable  
lens cameras

## **18-200mm F/3.5-6.3 Di III VC (Model B011 / B011EM)**

**Tamron's 18-200mm Di III VC all-in-one zoom for APS-C mirrorless cameras** is lightweight and compact and delivers superlative image quality. VC allows hand-holding of up to 4-stops slower than normal.



**Di III**  
for mirrorless  
interchangeable  
lens cameras

## **14-150mm**

F/3.5-5.8 Di III (Model C001)

**Ultra-compact all-in-one zoom for Micro Four Thirds cameras** combines extreme versatility and exceptional image quality. The 10.7x zoom lens weighs only 10.1 oz.



**Di II**  
for APS-C cameras

## **18-400mm F/3.5-6.3 Di II VC HLD (Model B028)**

**The world's only 22.2x all-in-one zoom, the 18-400mm provides amazing telephoto reach for powerful close-up images (620mm full-frame equivalent).** Providing the versatility only an all-in-one can offer, it's ideal for sports and wildlife and perfect for travel, every day and portrait photography, too. Includes moisture-resistant construction, VC image stabilization, quiet and precise HLD AF, and 1:2.9 macro capability.



**Di II**  
for APS-C cameras

## **18-200mm**

F/3.5-6.3 Di II VC (Model B018)

**Lightest 18-200mm all-in-one zoom in the world.** This high-performance 18-200mm lens for crop-sensor DSLRs features VC image stabilization, precise AF and weighs just 14.1 oz, making it an easy to-use lens for day-to-day use.

## **28-300mm**

F/3.5-6.3 Di VC PZD (Model A010)

**An exceptional all-in-one zoom for full-frame DSLRs providing wide to tele versatility ideal for the traveler.** The lens delivers superior image quality in a compact body that is less than 4" long and weighs just 19oz.



**Di**  
for full-frame and  
APS-C cameras

# Wide-angle Zooms

## **new** 17-28mm

F/2.8 Di III RXD (Model A046)

**Smallest and lightest ultra-wide-angle zoom lens in its class for Sony full-frame mirrorless.** This compact high-speed ultra-wide-angle zoom for mirrorless cameras provides unrivalled portability and superb image quality. The RXD stepping motor unit that delivers quiet high-speed, high precision AF operation. Features Moisture-Resistant Construction, Fluorine Coating and 7.5" MOD at the wide end.



**Di III**  
for mirrorless  
interchangeable  
lens cameras



## **10-24mm**

F/3.5-4.5 Di II VC HLD (Model B023)

**The only compact, ultra-wide-angle zoom lens in its class to offer image stabilization.** Moisture resistant construction and fluorine coating round out this remarkable 2.4X zoom ratio lens for crop-sensor DSLR cameras.

**Di II**  
for APS-C cameras

## **SP 15-30mm**

F/2.8 Di VC USD G2 (Model A041)

**Ultra-wide-angle fast full-frame G2 zoom provides superb image quality.** The optical system curtails distortion and lateral chromatic aberrations for excellent resolution throughout the range. New coatings thoroughly reduce ghosting and flare. Built-in Dual MPU provides top AF speed and 4.5-stop image stabilization. Features moisture-resistant construction, enhanced fluorine coating and more.



**Di**  
for full-frame and  
APS-C cameras



## **17-35mm**

F/2.8-4 Di OSD (Model A037)

**Most compact and lightweight full-frame wide-angle zoom in its class.** Offers excellent sharpness and contrast along with amazing portability at just 3.5" long and only 16.2 oz. Create beautiful background blur at F/2.8 at 11" MOD. Features fluorine coating and moisture-resistant construction.

**Di**  
for full-frame and  
APS-C cameras

## Standard Zooms



### 28-75mm

F/2.8 Di III RXD (Model A036)

**The first compact, fast standard-zoom perfectly matched for Sony full-frame mirrorless.** Crisp, vibrant images with soft, defocused blur background qualities. Pursuing an unprecedented fusion of image quality, fixed fast-aperture, and compact size and weight, the new Tamron 28-75mm F/2.8 Di III RXD offers superb balance when mounted on Sony full-frame mirrorless cameras.

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lens cameras

### SP 24-70mm

F/2.8 Di VC USD G2 (model A032)

**High-speed standard zoom lens with best-in-class 5-stops image stabilization.** This fast standard zoom achieves top-level image quality and performance and provides the highest image stabilization performance in its class with the Dual MPU system that also yields excellent focusing speed and accuracy. Features fluorine coating, moisture-resistant construction, Auto Detect image stabilization for panning, and more.



**Di**  
for full-frame and  
APS-C cameras



### 35-150mm

F/2.8-4 Di VC OSD (Model A043)

**A dedicated portrait lens that's perfect for travel, too.** The versatile 35-150mm zoom range incorporates the 85mm focal length (optimum for portrait shooting) and covers full-length to head-and-shoulder shots in one lens. Combined with potent VC, fast F/2.8 aperture (F/4 at 150mm end) and compact design, this is the perfect zoom you'll ever need for portraits, street, landscapes, travel, family snapshots and more.

**Di**  
for full-frame and  
APS-C cameras

## Telephoto Zooms

### **new** 70-180mm

F/2.8 Di III VXD (Model A056)

**Compact and lightweight fast telephoto zoom** for full-frame mirrorless Sony cameras features Tamron's new VXD autofocus motor for amazingly fast, quiet, and precise AF. Close focusing at 33.5" adds versatility while Fluorine coating and moisture-resistant construction provides confidence when shooting in all weather conditions.



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### SP 70-200mm

F/2.8 Di VC USD G2 (Model A025)

**Compact high-speed tele zoom.** Tamron's fast tele lens will exceed your highest expectations with faster AF, improved VC image stabilization, new optical system, close focusing, moisture proof construction, fluorine coating and more. Tamron teleconverter-compatible.

**Di**  
for full-frame and  
APS-C cameras



**Di**  
for full-frame and  
APS-C cameras

### 70-210mm

F/4 Di VC USD (Model A034)

**Reach out and capture the beauty.** Tamron's new 70-210mm F/4 Di VC USD is a compact tele zoom for full-frame DSLRs that achieves superb optical performance with high contrast and resolution throughout the entire zoom range and boasts the highest-in-class maximum magnification ratio of 1:3.1 and the shortest-in-class MOD of 37.4 inches. Teleconverter-compatible.

### SP 70-300mm

F/4-5.6 Di VC USD (Model A005)

**A high resolution zoom bred for fast focusing.** With superior optical performance, Tamron's USD and VC, the SP 70-300 Di VC USD provides the performance of a high-end premium telephoto zoom.



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### 100-400mm

F/4.5-6.3 Di VC USD (Model A035)

**This highly portable ultra-tele zoom boasts the lightest weight in its class.** Dual MPU system provides precision AF and 4-stop VC capability. LD glass and eBand coating yield vivid images with amazing clarity. Moisture resistant construction, fluorine coating, and compatibility with optional accessories like the Tamron Tap-in Console, 1.4X and 2X teleconverters, and Arca-Swiss compatible tripod mount, round out this impressive new zoom.

## SP 150-600mm

F/5-6.3 Di VC USD G2 (Model A022)

**Handheld ultra-telephoto shooting with remarkable definition.** Provides outstanding optical performance, fast AF speed and 3 VC modes with 5-stops stabilization, Fluorine Coating, FLEX ZOOM LOCK and optional 1.4x and 2x teleconverters.

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## Prime Lenses

### new 20mm M1:2

F/2.8 Di III OSD (Model F050)

**Ultra-wide prime lens** for full-frame mirrorless Sony cameras is extremely lightweight and offers an unprecedented close-up wide-angle perspective with its half life-size (1:2) macro capability.



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### new 24mm M1:2

F/2.8 Di III OSD (Model F051)

**Wide-angle prime lens** for full-frame mirrorless Sony cameras is extremely lightweight and offers an unprecedented close-up wide-angle perspective with its half life-size (1:2) macro capability.



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### new 35mm M1:2

F/2.8 Di III OSD (Model F053)

**Standard wide-angle prime lens** for full-frame mirrorless Sony cameras is extremely lightweight and offers an unprecedented close-up wide-angle perspective with its half life-size (1:2) macro capability.



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### new SP 35mm

F/1.4 Di USD (Model F045)

**Optical performance that defines the ultimate Tamron lens ever made.** The SP 35mm F/1.4 delivers high resolution, fidelity of point light source and beautiful bokeh. We deployed existing skills, like our refined knowhow for producing bokeh, and combined them with new innovations like BBAR-G2 anti-reflection lens coating. Features fluorine coating and moisture-resistant construction.

## SP 35mm

F/1.8 Di VC USD (Model F012)

**Superior optical performance, unprecedented close-focusing and image stabilization.**

Optimized to make the most of the superior performance delivered by today's high resolution DSLRs, the lens achieves superb imaging performance at full open aperture with well-balanced depictive capability and excellent bokeh. Its 7.9" MOD makes it the closest-focusing lens in its class. Features VC image stabilization, fluorine coating, moisture-resistant construction and more.



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APS-C cameras



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APS-C cameras

## SP 45mm

F/1.8 Di VC USD (Model F013)

**Fast standard prime with VC image stabilization.** Tamron's SP 45mm is capable of remarkable resolving power and sharp images, while incorporating an industry-first image stabilization system and best-in-class 11.4" MOD. This lens delivers crisp and tack sharp images at any setting from F/1.8 full open aperture. Features fluorine coating, moisture-resistant construction and more.

## SP 85mm

F/1.8 Di VC USD (Model F016)

**Tele-portrait prime with image stabilization.**

Tamron's SP 85mm F/1.8 Di VC USD is the only 85mm f/1.8 lens with image stabilization for full-frame DSLRs. The new lens features ultimate correction of aberrations and excellent resolving power with balanced bokeh. Fluorine Coating has been applied to the top element surface to prevent condensation and repel smudge-causing substances. Moisture-resistant construction is also added for confident use in inclement conditions.



**Di**  
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## Macro Lenses

### SP 90mm

F/2.8 Di VC USD 1:1 Macro (Model F017)

**Tamron's 1:1 macro provides enhanced VC functionality and advanced features.** XY-Shift compensation reinforces VC functionality for outstanding image stabilization from infinity to macro. A high standard of Moisture-Proof and Dust-Resistant Construction and a durable Fluorine Coating provide confidence when shooting in adverse weather conditions.



**Di**  
for full-frame and  
APS-C cameras



# SPECIFICATIONS

FOCAL MODEL	LENGTH	FORMAT	MAX/F	LENGTH*	WEIGHT*	ELEM/ FILTER	MFD	MAXMAG	GRPS	BLADES	MOUNTS	TECHNOLOGIES
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## All-in-One™ Zooms

A071	28-200mm	Di III	F/2.8-5.6	117mm (4.6")	575g (20.3oz)	67	.19m (7.5")	1:3.1	18/14	7	Sony FE	<a href="#">Di II</a> <a href="#">RXD</a> <a href="#">LD</a> <a href="#">XLD</a> <a href="#">ASL</a> <a href="#">MGA</a> <a href="#">IF</a> <a href="#">MR</a> <a href="#">FL</a> <a href="#">CD</a> <a href="#">BBAR</a> <a href="#">ZL</a>
B011	18-200mm	Di III	F/3.5-6.3	96.7mm (3.8")	460g (16.2oz)	62	.5m (19.7")	1:3.7	17/13	7	Sony E & Canon EOSM	<a href="#">Di II</a> <a href="#">VC</a> <a href="#">XR</a> <a href="#">LD</a> <a href="#">ASL</a> <a href="#">IF</a> <a href="#">ZL</a> <a href="#">DMF</a> <a href="#">SM</a>
C001	14-150mm	Di III	F/3.5-5.8	80.4mm (3.2")	285g (10.1oz)	52	.5m (19.7")	1:3.8	17/13	7		<a href="#">Di II</a> <a href="#">LD</a> <a href="#">ASL</a> <a href="#">AD</a> <a href="#">SM</a> <a href="#">ZL</a> <a href="#">CD</a>
B028	18-400mm	Di II	F/3.5-6.3	121.4mm (4.8")	705g (24.9oz)	72	.45m (17.7")	1:2.9	16/11	7	C/N	<a href="#">Di II</a> <a href="#">VC</a> <a href="#">HLD</a> <a href="#">ASL</a> <a href="#">LD</a> <a href="#">eBand</a> <a href="#">IF</a> <a href="#">CD</a> <a href="#">MR</a> <a href="#">ZL</a> <a href="#">TAP</a>
B018	18-200mm	Di II	F/3.5-6.3	94.1mm (3.7")	400g (14.1oz)	62	.49m (19.3")	1:4.0	16/14	7	C/N/S	<a href="#">Di II</a> <a href="#">LD</a> <a href="#">ASL</a> <a href="#">VC</a>
A010	28-300mm	Di	F/3.5-6.3	96mm (3.8")	540g (19oz)	67	.49m (19.3")	1:3.5	19/15	7	C/N/S	<a href="#">Di</a> <a href="#">VC</a> <a href="#">PZD</a> <a href="#">XR</a> <a href="#">LD</a> <a href="#">ASL</a> <a href="#">IF</a> <a href="#">MR</a> <a href="#">ZL</a> <a href="#">UXR</a> <a href="#">FTM</a> <a href="#">CD</a>

## Wide-angle Zooms

A046	17-28mm	Di III	F/2.8	99mm (3.9")	420g (14.8 oz)	67	0.19m (7.5") wide	1:5.2 wide	13/11	9	Sony FE	<a href="#">Di II</a> <a href="#">RXD</a> <a href="#">LD</a> <a href="#">XLD</a> <a href="#">ASL</a> <a href="#">MGA</a> <a href="#">IF</a> <a href="#">MR</a> <a href="#">FL</a> <a href="#">CD</a> <a href="#">BBAR</a>
B023	10-24mm	Di II	F/3.5-4.5	82.1mm (3.2")	440g (15.5oz)	77	24m (9.4")	1:5.3	16/11	7	C/N	<a href="#">Di II</a> <a href="#">VC</a> <a href="#">LD</a> <a href="#">ASL</a> <a href="#">IF</a> <a href="#">HLD</a> <a href="#">MR</a> <a href="#">FL</a> <a href="#">eBand</a> <a href="#">TAP</a> <a href="#">ZL</a>
A041	SP 15-30mm	Di	F/2.8	142.5mm (5.6")	1,100g (38.8oz)	rear*	.28m (11")	1:5	18/13	9	C/N	<a href="#">Di</a> <a href="#">SP</a> <a href="#">VC</a> <a href="#">USD</a> <a href="#">LD</a> <a href="#">XGM</a> <a href="#">MGA</a> <a href="#">eBand</a> <a href="#">IF</a> <a href="#">ZL</a> <a href="#">MR</a> <a href="#">FL</a> <a href="#">CD</a> <a href="#">FTM</a> <a href="#">TAP</a> <a href="#">DMPU</a>
A037	17-35mm	Di	F/2.8-4	90mm (3.5)	460g (16.2oz)	77	.28m (11")	1:4.9	15/10	7	C/N	<a href="#">Di</a> <a href="#">OSD</a> <a href="#">LD</a> <a href="#">MGA</a> <a href="#">IF</a> <a href="#">MR</a> <a href="#">FL</a> <a href="#">CD</a> <a href="#">FTM</a> <a href="#">TAP</a>

## Standard Zooms

A036	28-75mm	Di III	F/2.8	117.8mm (4.6")	550g (19.4oz)	67	.19m (7.5") wide	1:2.9 wide	15/12	9	Sony FE	<a href="#">Di II</a> <a href="#">RXD</a> <a href="#">LD</a> <a href="#">XLD</a> <a href="#">ASL</a> <a href="#">MGA</a> <a href="#">IF</a> <a href="#">MR</a> <a href="#">FL</a> <a href="#">CD</a> <a href="#">BBAR</a>
A032	SP 24-70mm	Di	F/2.8	108.5mm (4.3")	900g (31.7oz)	82	.38m (15.0")	1:5	17/12	9	C/N	<a href="#">Di</a> <a href="#">SP</a> <a href="#">VC</a> <a href="#">LD</a> <a href="#">MGA</a> <a href="#">ASL</a> <a href="#">XR</a> <a href="#">IF</a> <a href="#">USD</a> <a href="#">MR</a> <a href="#">FL</a> <a href="#">eBand</a> <a href="#">TAP</a> <a href="#">CD</a> <a href="#">FTM</a> <a href="#">DMPU</a>
A043	35-150mm	Di	F/2.8-4	124.3mm (4.9")	790g (27.9 oz)	77	1.45m (17.7")	1:3.7	19/14	9	C/N	<a href="#">Di</a> <a href="#">VC</a> <a href="#">LD</a> <a href="#">ASL</a> <a href="#">OSD</a> <a href="#">MR</a> <a href="#">FL</a> <a href="#">TAP</a> <a href="#">CD</a> <a href="#">DMPU</a> <a href="#">ZL</a>

## Telephoto Zooms

A056	70-180mm	Di III	F/2.8	149mm (5.9")	810g (28.6oz)	67	.85m (33.5")	1:4.6	19/14	9	Sony FE	<a href="#">Di II</a> <a href="#">VXD</a> <a href="#">LD</a> <a href="#">XLD</a> <a href="#">ASL</a> <a href="#">MGA</a> <a href="#">IF</a> <a href="#">MR</a> <a href="#">FL</a> <a href="#">CD</a>
A025	SP 70-200mm	Di	F/2.8	191.3mm (7.5")	1485g (52.4oz)	77	.95m (37.4")	1:6.1	23/17	9	C/N	<a href="#">Di</a> <a href="#">SP</a> <a href="#">VC</a> <a href="#">LD</a> <a href="#">XLD</a> <a href="#">IF</a> <a href="#">USD</a> <a href="#">MP</a> <a href="#">FL</a> <a href="#">eBand</a> <a href="#">TAP</a> <a href="#">CD</a> <a href="#">FTM</a> <a href="#">DMPU</a> <a href="#">TC</a> <a href="#">FLMT</a>
A034	70-210mm	Di	F/4	174mm (6.8)	850g (30oz)	67	.95m (37.4")	1:3.1	20/14	9	C/N	<a href="#">Di</a> <a href="#">USD</a> <a href="#">VC</a> <a href="#">LD</a> <a href="#">IZ</a> <a href="#">MR</a> <a href="#">TAP</a> <a href="#">FL</a> <a href="#">CD</a> <a href="#">DMPU</a> <a href="#">TC</a>
A005	SP 70-300mm	Di	F/4-5.6	142.7mm (5.6")	765g (27.0oz)	62	1.5m (59.1")	1:4	17/12	9	C/N/S	<a href="#">Di</a> <a href="#">SP</a> <a href="#">VC</a> <a href="#">USD</a> <a href="#">XLD</a> <a href="#">IF</a> <a href="#">FTM</a> <a href="#">LD</a>
A035	100-400mm	Di	F/4.5-6.3	196.5mm (7.7")	1,115g (39.3oz)	67	1.5m (59.1")	1:3.6	17/11	9	C/N	<a href="#">Di</a> <a href="#">VC</a> <a href="#">USD</a> <a href="#">LD</a> <a href="#">IF</a> <a href="#">FTM</a> <a href="#">CD</a> <a href="#">MR</a> <a href="#">eBAND</a> <a href="#">ZL</a> <a href="#">FL</a> <a href="#">TAP</a> <a href="#">DMPU</a> <a href="#">TC</a>
A022	SP 150-600mm	Di	F/5-6.3	257.7mm (10.1")	1990g (70.2oz)	95	2.2m (86.6")	1:3.8	21/13	9	C/N/S	<a href="#">Di</a> <a href="#">SP</a> <a href="#">VC</a> <a href="#">USD</a> <a href="#">LD</a> <a href="#">IF</a> <a href="#">FTM</a> <a href="#">CD</a> <a href="#">MR</a> <a href="#">eBAND</a> <a href="#">ZL</a> <a href="#">FLX</a> <a href="#">FL</a> <a href="#">TAP</a> <a href="#">DMPU</a> <a href="#">TC</a> <a href="#">FLMT</a>

## Prime Lenses

F050	20mm	Di III	F/2.8	64mm (2.5")	220g (7.8oz)	67	.11m (4.3")	1:2	10/9	7	Sony FE	<a href="#">Di II</a> <a href="#">OSD</a> <a href="#">LD</a> <a href="#">MGA</a> <a href="#">BBAR</a> <a href="#">MR</a> <a href="#">FL</a> <a href="#">CD</a>
F051	24mm	Di III	F/2.8	64mm (2.5")	215g (7.6oz)	67	.12m (4.7")	1:2	10/9	7	Sony FE	<a href="#">Di II</a> <a href="#">OSD</a> <a href="#">LD</a> <a href="#">MGA</a> <a href="#">BBAR</a> <a href="#">MR</a> <a href="#">FL</a> <a href="#">CD</a>
F053	35mm	Di III	F/2.8	64mm (2.5")	210g (7.4oz)	67	.15m (5.9")	1:2	9/8	7	Sony FE	<a href="#">Di II</a> <a href="#">OSD</a> <a href="#">LD</a> <a href="#">MGA</a> <a href="#">BBAR</a> <a href="#">MR</a> <a href="#">FL</a> <a href="#">CD</a>
F045	SP 35mm	Di	F/1.4	102.3mm (4")	805g (28.4 oz)	72	0.3m (11.8")	1:5	14/10	9	C/N	<a href="#">Di</a> <a href="#">SP</a> <a href="#">LD</a> <a href="#">MGA</a> <a href="#">USD</a> <a href="#">MR</a> <a href="#">FL</a> <a href="#">TAP</a> <a href="#">CD</a> <a href="#">DMPU</a> <a href="#">BBAR-G</a>
F012	SP 35mm	Di	F/1.8	78.3mm (3.1")	450g (15.9oz)	67	.2m (7.9")	1:2.5	10/9	9	C/N/S	<a href="#">Di</a> <a href="#">SP</a> <a href="#">VC</a> <a href="#">USD</a> <a href="#">LD</a> <a href="#">eBand</a> <a href="#">BBAR</a> <a href="#">FL</a> <a href="#">MR</a> <a href="#">TAP</a>
F013	SP 45mm	Di	F/1.8	89.2mm (3.5")	520g (18.3oz)	67	.29m (11.4")	1:3.4	10/8	9	C/N/S	<a href="#">Di</a> <a href="#">SP</a> <a href="#">VC</a> <a href="#">USD</a> <a href="#">LD</a> <a href="#">eBand</a> <a href="#">BBAR</a> <a href="#">FL</a> <a href="#">MR</a> <a href="#">TAP</a>
F016	SP 85mm	Di	F/1.8	88.8mm (3.5")	660g (23.3oz)	67	0.8m (31.5")	1:7.2	13/9	9	C/N/S	<a href="#">Di</a> <a href="#">SP</a> <a href="#">VC</a> <a href="#">USD</a> <a href="#">LD</a> <a href="#">XLD</a> <a href="#">eBand</a> <a href="#">BBAR</a> <a href="#">FL</a> <a href="#">MR</a> <a href="#">TAP</a>

## Macro Lenses

F017	SP 90mm	Di	F/2.8	114.6mm (4.5")	600g (21.2 oz)	62	0.3m (11.8in)	1:1	14/11	9	C/N	<a href="#">Di</a> <a href="#">SP</a> <a href="#">Xy</a> <a href="#">VC</a> <a href="#">USD</a> <a href="#">LD</a> <a href="#">XLD</a> <a href="#">eBand</a> <a href="#">BBAR</a> <a href="#">TAP</a> <a href="#">FLMT</a>
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\*All weights and lengths are for Nikon mount models

\*\*Canon mount model only

# Tamron Lens Technology

## Di-III Lenses for Mirrorless Interchangeable Lens Cameras

Di III is the designation Tamron gives to lenses engineered specifically for mirrorless interchangeable lens cameras with no internal mirror box or pentaprism.

## Di-II Lenses Optimized for APS-C Format DSLRs

Di II lenses are performance-engineered expressly for digital SLR cameras with image sensors commonly referred to as APS-C.

## Di Lenses Optimized for all DSLRs

Tamron Di lenses are performance optimized for digital SLR cameras and usable with DSLRs featuring sensors commonly referred to as APS-C, measuring approximately 24mm x 16mm, as well as larger full frame (36mm x 24mm) sensors.

## SP Superior Performance Specifications

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.

## TC Teleconverters

Tamron teleconverters designed exclusively for select Tamron lenses make it easy to expand the versatility of the attached lens. Compatible with models A025, A034, A035, A022.



## TAP TAP-In Console

The optional TAP-in Console provides a USB connection to your personal computer, enabling you to easily update your lens firmware as well as customize features including fine adjustments to the autofocus and VC on compatible lenses.

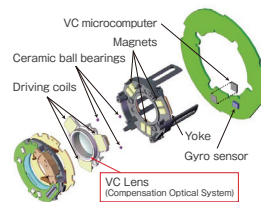


## VC

## Tamron's Unique State-of-the-Art In-Lens Image Stabilization System

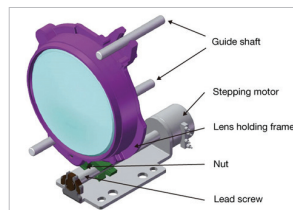
Tamron's Vibration Compensation mechanism uses a proprietary actuator and algorithms to deliver an extremely stable viewfinder image with excellent tracking. The 3-coil system electromagnetically drives the lens element that compensates for vibration, which glides smoothly on three balls with little friction. Several lenses offer different modes for panning and video shooting. VC can also be customized with the TAP-In Console on most models. VC should always be turned off when using the lens on a tripod.

<Expanded VC Schematic Diagram>



## RXD

## Rapid eXtra-silent Drive Perfect for Video Shooting

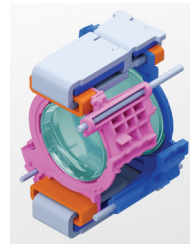


The RXD (Rapid eXtra-silent stepping Drive) motor unit helps you stay focused on the action. RXD uses an actuator to precisely control the rotational angle of the motor, allowing it to directly drive the focusing lens without passing through a reduction gear. A sensor that accurately detects the position of the lens enables high-speed and precise AF, which is ideal when shooting moving subjects or video.

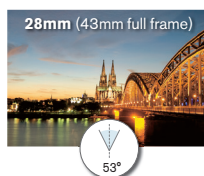
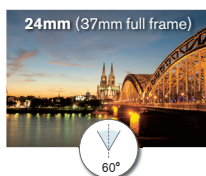
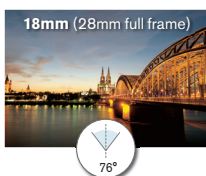
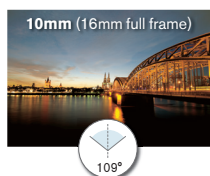
## VXD

## Voice-Coil eXtreme-torque Drive

The VXD AF Drive provides the highest levels of autofocus speed and precision in Tamron's long history and is Tamron's first-ever linear motor focus mechanism for stunningly fast and accurate auto-focusing. Two VXD units are arranged in a floating system and operated simultaneously via electronic control to achieve excellent optical performance at all shooting distances near and far. Focus tracking is vastly improved for sports and racing photography. With the excellent quietness that is characteristic of linear motor systems, the AF is ideal for shooting in low-noise environments.



## FOCAL LENGTH ON DIGITAL SLR CAMERAS WITH APS-C SENSOR



**USD****Fast Focusing with USD  
(Ultrasonic Silent Drive)**

Ultrasonic Silent Drive (USD) is an ingeniously upgraded AF drive system developed by Tamron to deliver the extraordinary AF speed and precision needed to capture every nuanced high-speed action, along with virtually noiseless operation. 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**

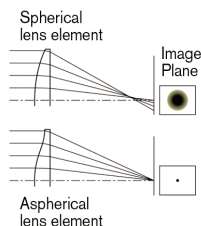
Tamron's exclusive HLD (High/Low torque-modulated Drive) saves power while providing superior drive. It focuses accurately and quietly while adjusting the motor's rotation from low to high speeds, enabling smooth autofocus. HLD let us design a space-saving AF module, for a sleeker barrel and reduced overall lens size.

**OSD****Optimized Silent Drive**

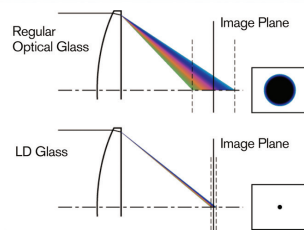
OSD is a new DC motor unit for the AF system that achieves faster focus and accuracy compared to a general DC motor. Improved tracking speed and response means you won't miss the shot. The optimized motor minimizes AF noise and provides superbly quiet performance.

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

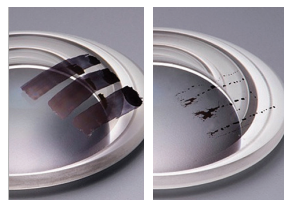
Tamron uses several hybrid Aspherical lens elements in many lenses bearing the Aspherical designation. Through the effective application of Hybrid Aspherical Technology, one lens element can take the place of multiple elements without compromising performance. This is what allows us to produce remarkably compact long-range lenses that deliver a uniformly high level of image quality at all focal lengths and apertures.

**LD****XLD****Low Dispersion and Extra  
Low Dispersion Glass**

LD glass elements in a lens help reduce chromatic aberration (color fringing) which reduces the sharpness of an image. Use of XLD lens elements allows greater control over chromatic aberration and magnification aberrations, the two major factors that inhibit image quality enhancement. In combination with LD elements, XLD elements are used to deliver the highest possible contrast and the finest detail.

**FL****Fluorine  
Coating**

This coating repels water and dirt, and makes it easier to wipe away smudges. The fluorine coating, developed for the first time for use in Tamron photographic lenses, is based on technology developed during the course of our industrial lens production such as the lenses used in automotive cameras.

**BBAR-G2****Next Generation BBAR  
(Broad Band Anti-Reflective) Coating**

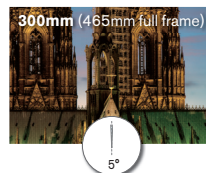
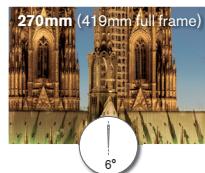
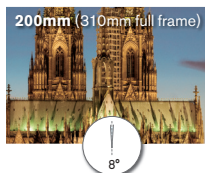
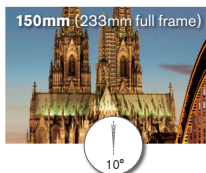
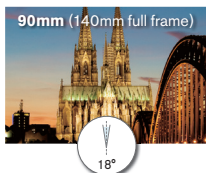
The SP 35mm F/1.4 Di USD (Model F045) and 70-180mm F/2.8 Di III VXD (Model A056) produce a full contrast image with minimal ghosting and flare. In order to achieve this performance, BBAR-G2 was developed as the next generation coating.

**eBAND****eBAND**

Tamron's eBAND (Extended Bandwidth & Angular-Dependency) Coating delivers a dramatic improvement in antireflection performance—significantly reducing flare and ghosting for clearer, crisper images.

**FTM****Full-Time Manual  
Focus Mechanism**

Enables the user to manually adjust focus without engaging the AF/MF switchover button, even when in auto-focus mode.

**70mm** (109mm full frame)**90mm** (140mm full frame)**150mm** (233mm full frame)**200mm** (310mm full frame)**270mm** (419mm full frame)**300mm** (465mm full frame)

## ZL Zoom Lock

Another original Tamron mechanical engineering concept is the Zoom Lock (ZL), a simple convenience feature that prevents undesired extension of the lens barrel when carrying the camera/lens unit on a neck strap.

## DMPU Built-in Dual MPU (Micro-Processing Unit)

Built-in Dual MPU (Micro-Processing Unit) enables vastly improved AF speed and precision, and image stabilization with a dedicated MPU with DSP (Digital Signal Processor) for each AF and VC.

## CD Circular Diaphragm

A rounded 9-blade circular diaphragm provides gorgeous blur (Bokeh) effects. The circular diaphragm retains a nearly circular shape even at two stops down from the maximum aperture.

## MR Moisture Resistant Construction

Moisture-resistant construction helps prevent water from penetrating the lens making it ideal for outdoor photography.

## MP Moisture-Proof Construction

Moisture-Proof and Dust-Resistant Construction prevents intrusion of dust or moisture (featured on model F017, A025 and new TC-X14 and TC-X20 teleconverters).

<b>AD</b> Anomalous Dispersion element(s)	<b>LD</b> Low Dispersion element(s)
<b>A/M</b> Auto-focus/Manual-focus	<b>MGA</b> Molded Glass Aspherical
<b>ASL</b> Aspherical element(s)	<b>MP</b> Moisture-Proof Construction
<b>BBAR-G2</b> Next Gen Broad Band Anti-Reflective Coating	<b>MR</b> Moisture Resistant Construction
<b>CD</b> Circular Diaphragm	<b>OSD</b> Optimized Silent Drive
<b>Di</b> For Full-Frame & APS-C DSLRs	<b>PZD</b> Piezo Drive
<b>Di-II</b> For APS-C DSLRs exclusively	<b>RXD</b> Rapid eXtra-silent Drive
<b>Di-III</b> For Full-Frame and APS-C Mirrorless cameras	<b>SM</b> Stepping Motor
<b>DMF</b> Direct Manual Focus	<b>SP</b> Superior Performance Specifications
<b>DMPU</b> Built-in Dual MPU (Micro-Processing Unit)	<b>TAP</b> Tap-In Console*
<b>eBAND</b> eBAND	<b>TC</b> Teleconverters*
<b>FL</b> Fluorine Coating	<b>USD</b> Ultrasonic Silent Drive
<b>FEC</b> Filter Effect Control	<b>VC</b> Vibration Compensation
<b>FLMT</b> Focus Limiter	<b>VXD</b> Voice-Coil eXtreme-torque Drive
<b>FLX</b> Flex Zoom Lock	<b>XGM</b> eXpanded Glass Molded Aspherical
<b>FTM</b> Full-Time Manual Focus Mechanism	<b>XLD</b> Extra Low Dispersion
<b>HLD</b> High/Low Torque-Modulated Drive	<b>XR</b> XR element(s)
<b>IF</b> Internal Focusing System	<b>X-Y VC</b> X-Y VC Enhanced
<b>IZ</b> Internal Zoom	<b>ZL</b> Zoom-Lock Mechanism

\* Optional accessory

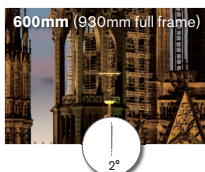
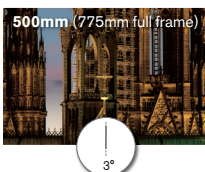
## FLMT Focus Limiter

Changing from AF to Limit will limit the focus range of the lens depending on what distance the manual focus ring is set to. For example, the 150-600mm lens can be set to limit focus from 15 meters to infinity. In this case, the lens will not focus 15 meters and closer. This is useful when shooting subjects at a distance such as birds as it allows the lens to disregard subjects in the foreground that can get in the way of focus. Models with Focus Limiter: A022, A025, F017



## FLX Flex Zoom Lock

This mechanism quickly locks or unlocks the zoom at any position by simply sliding the zoom ring. Photographers can shoot from any angle without the zoom extending unintentionally. The customary Zoom Lock switch that prevents unwanted barrel extension during transportation is incorporated into the lens as well. Featured on model A022.



**All Tamron lenses include hoods, caps and Tamron's industry leading 3-Business Day Repair Turnaround at no additional charge.**



**Caution:** Please read the instruction manual carefully before using lens.



[illegible]

Register your Tamron lenses towards  
2021 VIP status and reap the rewards

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