# **TAMRON**

THE BEST LENSES MAKE THE BEST PHOTOS





www.tamron-americas.com

### All-In-One<sup>™</sup> Zooms

### 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 lens for Sony E-mount 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.



for mirrorless interchangeable lens cameras



# **18-300mm** F/3.5-6.3 Di III-A VC VXD (Model B061)

World's first 16.6X zoom for APS-C mirrorless cameras, available for Fujifilm X-mount and Sony E-mount, features VXD motor for precise AF, image stabilization and remarkable maximum magnification ratio of 1:2. Compact and lightweight design ideal for travel and everyday use.



### 18-400mm

F/3.5-6.3 Di II VC HLD (Model B028)

This world's only 22.2x all-in-one zoom, 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 wild-life and perfect for travel, every day and portrait photography, too. Includes moisture-resistant construction, VC image stabilization, quiet and precise AF, and 1:2.9 macro capability.





### **Standard Zooms**

### 17-70mm

F/2.8 Di III-A VC RXD (Model B070)

World's first 4.1X large aperture standard zoom for APS-C mirrorless cameras. The 17-70mm F2.8 is a large aperture everyday zoom lens for Sony E-mount and Fujifilm X-mount APS-C mirrorless cameras created to achieve a broad zoom range and excellent image quality (full-frame equivalent of 25.5-105mm). It features image stabilization optimized for video for excellent handheld shooting.



Di III-A for APS-C mirrorless cameras



# **20-40mm** F/2.8 Di III VXD (Model A062)

Category disrupting zoom starts at 20mm. This fast-aperture standard zoom for Sony E-mount is the smallest and lightest in its class at just 3.4" and 12.9 oz. with 67mm filter size. Provides a standard 40mm focal length for everyday shooting and portraits, while the ultrawide 20mm captures landscapes and more. It's ideal for still photography and creating video content. Features VXD AF, moisture-resistant construction and fluorine coating. Compatible with TAMRON Lens Utility™ for Focus Ring Function Setting and firmware updates.



Di III

### 28-75mm

F/2.8 Di III VXD G2 (Model A063)

Outstanding performance delivers an unprecedented photo experience. The 28-75mm G2 for Sony E-mount delivers outstanding resolution and superb overall performance in a lightweight and compact zoom lens. VXD AF motor provides high speed, high precision AF. Remarkable closeup capabilities with its 7.1" MOD at the 28mm wide end, and a maximum magnification ratio of 1:2.7. Equipped with the Tamron Lens Utility<sup>™</sup> that lets you easily perform customization and firmware updates from the lens Connector Port to your computer.



for mirrorless interchangeable lens cameras



Di for full-frame and APS-C DSLRs

# **SP 24-70mm** F/2.8 Di VC USD G2 (Model A032)

High-speed standard zoom lens with bestin-class 5-stops image stabilization. This fast standard zoom achieves top-level image quality and mechanical 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.

### 35-150mm

F/2-2.8 Di III VXD (Model A058)

The world's first zoom starting at F2 at wide-angle for Sony E and Nikon Z mount cameras. This unique zoom features outstanding image quality, all the popular prime lens focal lengths in just one lens, versatile close-focusing capabilities, VXD AF motor for high speed, high precision AF, Tamron Lens Utility™ compatibility for lens function customization including A/B focus, and more. It is an ideal lens for portrait and travel photographers and filmmakers.



for mirrorless interchangeable lens cameras

## **Telephoto Zooms**

### 50-400mm

F/4.5-6.3 Di III VC VXD (Model A067)

New 8X telephoto zoom offers superb versatility. Perfect for wildlife and sideline sports where the action is always moving, this compact and lightweight 50-400mm 8X lens for Sony E-mount zooms from standard 50mm to ultratelephoto. Even more versatile with its 1:2 macro! Features VC image stabilization, VXD AF motor, Tamron Lens Utility™, and more. Optional tripod mount available (Model A035TM).





### 70-180mm F/2.8 Di III VC VXD G2 (Model A065)

Compact and lightweight fast tele zoom with VC for full-frame mirrorless Sony E-mount features Tamron's VXD autofocus motor for amazingly fast, quiet, and precise AF, and VC image stabilization. Close MOD adds versatility while fluorine coating and moisture-resistant construction provide confidence when shooting in inclement weather.



### **SP 70-200mm**

F/2.8 Di VC USD G2 (Model A025)

Compact high-speed tele zoom. Tamron's fast tele G2 lens provides fast AF, excellent VC image stabilization, close focusing, moistureproof construction, fluorine coating and more.



### 70-300mm

F/4.5-6.3 Di III RXD (Model A047)

Get 300mm like an expert. This tele zoom for Sony E-mount and Nikon Z mount mirrorless cameras is the world's smallest and lightest (5.8" long, 67mm filter, and 19.2 oz). The lens incorporates the high-speed precision RXD AF system that is remarkably quiet. Moisture-resistant construction provides extra protection. Ideal for APS-C mirrorless users who can achieve an ultra-tele range of 105-450mm equivalent field-of-view.



Di III



### 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. Moisture-resistant construction, fluorine coating. Optional Arca-Swiss compatible tripod mount available.

for full-frame and APS-C DSLRs

### 150-500mm

F/5-6.7 Di III VC VXD (Model A057)

An astonishingly compact ultra-telephoto zoom with image stabilization. This ultra-tele zoom for Sony E, FUJIFILM X, and Nikon Z mount mirrorless cameras supports handheld shooting with three VC modes for high-level image stabilization and VXD AF focus mechanism that delivers excellent quietness and agile performance. The lens offers an MOD of 23.6"at 150mm for powerful close-ups. Features moistureresistant construction and fluorine coating and is equipped with removable Arca Swiss tripod mount. Perfect for APS-C mirrorless cameras with its full-frame 750mm equivalent reach



Di III



### SP 150-600mm F/5-6.3 Di VC USD G2 (Model A022)

Handheld ultra-telephoto shooting with remarkable definition for DSLR cameras. Provides outstanding optical performance, fast AF speed and 3 VC modes with 5-stops stabilization, fluorine coating and FLEX ZOOM LOCK.



### **Prime Lenses**

### 20mm M1:2

F/2.8 Di III OSD (Model F050)

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



Di III



Di III or mirrorless nterchangeable

### 24mm M1:2 F/2.8 Di III OSD (Model F051)

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

### 35mm M1:2 F/2.8 Di III OSD (Model F053)

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



Di III for mirrorless interchangeable



for full-frame and APS-C DSLRs

### SP 35mm F/1.4 Di USD (Model F045)

Superior optical performance that defines the ultimate Tamron lens ever made. This lens delivers remarkably high resolution and beautiful bokeh. Features BBAR-G2 anti-reflection lens coating, fluorine coating and moisture-resistant construction.

## Wide-angle Zooms

### 17-28mm

F/2.8 Di III RXD (Model A046)

Smallest and lightest ultra-wide-angle zoom lens in its class. This lens for Sony E-mount provides unrivalled portability and superb image quality. The RXD stepping motor unit delivers quiet high-speed, high precision AF. Features moisture-resistant construction, fluorine coating and 7.5" MOD at the wide end.





Di III for mirrorless interchangeable

### 17-50mm F/4 Di III VXD (Model A068)

First lens covering ultra wide-angle 17mm to standard 50mm in just one lens. The highlycompact full-frame zoom for Sony E-mount offers maximum versatility for still and video creators. It provides excellent image quality with rich bokeh at F4. Its internal zooming and high-speed, highprecision and extremely quiet VXD AF make the lens ideal for shooting video and still images. Capture tiny subjects in vivid detail with its 7.5in MOD. Compatible with TAMRON Lens Utility™ software.

### 11-20mm

F/2.8 Di III-A RXD (Model B060)

F2.8 ultra wide-angle zoom. This lens for Sony E and FUJIFILM X-mount is very compact and lightweight at just 3.4" long and 11.8oz. with a 67mm filter size. At 11mm, the lens achieves an MOD of 5.9" and a maximum magnification ratio of 1:4. It is protected by moisture-resistant construction and fluorine coating.





### CAMERA FORMAT/BRAND LENS COMPATIBILITY:

### **NIKON Z MIRRORLESS** (Di III)

35-150mm (A058) 70-300mm (A047) 150-500mm (A057)

### **SONY FE and E Mirrorless** (Di III)

17-28mm (A046) 35-150mm (A058) 150-500mm (A057) 17-50mm (A068) 50-400mm (A067) 20mm (F050) 20-40mm (A062) 70-180mm (A065) 24mm (F051) 28-75mm (A063) 70-300mm (A047) 35mm (F053) 28-200mm (A071)

### **SONY E Mirrorless only (Di III-A)**

17-70mm (B070) 11-20mm (B060) 18-300mm (B061)

### FUJIFILM X Mirrorless (Di III-A)

11-20mm (B060) 18-300mm (B061) 150-500mm (A057) 17-70mm (B070)

### CANON & NIKON Full-Frame and APS-C DSLR (Di and Di II)

24-70mm (A032) 100-400mm (A035) 35mm (F045) 70-200mm (A025) 150-600mm (A022)

### CANON & NIKON APS-C DSLR only (Di II)

18-400mm (B028)

### SPECIFICATIONS

					S	F	ECI	FΙ	C A	\ <u>T</u>	10	N S
MODEL	FOCAL LENGTH	FORMAT	MAX.F/	LENGTH*	WEIGHT* F	ILTER	R MFD	MAXMAG	GRPS B	LADES	S MOUNTS	ELEM/ TECHNOLOGIES
AII-	in-One	. <sup>™</sup> Z(	ooms									
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	Di III • RXD • LD • XLD • ASL • MGA • IF • MR • FI • CD • BBAR • ZL
B061	18-300mm	Di III-A	F/3.5-6.3	125.6 (4.9 in)	620 (21.9 oz)	67	0.15m (5.9") wide	1:2 wide	19/15	7	Sony E & Fujifilm X	Di III-A • VXD • LD • ASL • IF • MR • FL • CD • BBARG2 • ZL
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	Dill • VC • HLD • ASL • LD • eBand • IF • CD • MR • ZL • TAP
Wic	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	Di III • RXD • LD • XLD • ASL • MGA • IF • MR • FI • CD • BBAR
A068	17-50mm	Di III	F/4	114.4 (4.5")	460g (16.2 oz.)	67	0.19m (7.5") wide	1:4.6 wide	15/13	9	Sony FE	Di III • VXD • MGA • LDIF • MR • FL • CD • BBAR-G2 • TLU
B060	11-20mm	Di III-A	F/2.8	86.2mm (3.4")	335g (11.8 oz)	67	0.15m (5.9") wide	1:4 wide	12/10	7	Sony E & Fujifilm X	Di III-A • RXD • LD • XLD • MGA • IF • CD • MR • FL • BBARG2
Sta	Standard Zooms											
B070	17-70mm	Di III-A	F/2.8	119.3mm (4.7 in)	525g (18.5 oz)	67	0.19m (7.5")	1:4.8 wide	16/12	9	Sony E & Fujifilm X	Di III-A • VC • RXD • CD • FL • MR
A062	20-40mm	Di III	F/2.8	86.4mm (3.4 in)	366g (12.9 oz)	67	0.17m (6.7 in) wide	1:3.8 wide	12/11	9	Sony FE	Di III • VXD • MGA • LD • ASL • IF • MR • FL • CD • BBAR • TLU
A063	28-75mm	Di III	F/2.8	117.6mm (4.6 in)	540g (19 oz)	67	0.18m (7.1 in) wide	1:2.7 wide	17/15	9	Sony FE	Di III • VXD • MGA • LD • IF • MR • FL • CD • BBAR-G2 • TLU
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	Di-SP-VC-LD-MGA-ASL-XR-IF-USD-MR-FL-eBand-TAP-CD-FTM-DMPU
A058	35-150mm	Di III	F/2-2.8	158mm (6.2 in)	1,165g (41.1 oz)	82	0.33m (13 in) wide	1:5.7 wide	21/15	9	Sony FE & Nikon Z	Di III • VXD • MGA • LD • IF • ZL • MR • FL • CD • BBAR-G2 • TLU
Telephoto Zooms												
A067	50-400mm	Di III	F/4.5-6.3	183.4mm (7.2 in)	1155g (40.7 oz)	67	0.25m (9.8 in) wide	1:2 wide	24/18	9	Sony FE	Di III • VC • VXD • MGA • XLD • LD • ASL • IF • MR • FL • CD • BBAR-G2 • TLU • ZL
A065	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	Di III • VXD • VC • LD • XLD • ASL • MGA • IF • MR • FL • CD
A025	SP 70-200mm	ı Di	F/2.8	191.3mm (7.5")	1485g (52.4oz.)	77	.95m (37.4")	1:6.1	23/17	9	C/N	Di • SP • VC • LD • XLD • IF • USD • MP • FL • eBand • TAP • CD • FTM • DMPU • TC • FLMT
A047	70-300mm	Di III	F/4.5-6.3	148mm (5.8")	545g (19.2 oz)	67	1.5m (59.1") tele	1:5.1 tele	15/10	7	Sony FE & Nikon Z	Di III • RXD • LD • MR • XLD • IF • FTM • LD
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	Di • VC • USD • LD • IF • FTM • CD • MR • eBand • ZL • FL •TAP • DMPU • TC
A057	150-500mm	Di III	F/5-6.7	209.6mm (8.3")	1725g (60.8 oz)**	82	0.6m (23.6")	1:3.1 wide	25/16	7 5	Sony FE, Fujifilm & Nikon Z	X DillI+VC+VXD+LD+XLD+ASL+IF+CD+MR+FL+BBARG2+ZL+FLX
A022	SP 150-600m	m 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	Di • SP • VC • USD • LD • IF • FTM • CD • MR • eBand • ZL • FLX • FL • TAP • DMPU • TC • FLM
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	Dilli•OSD•LD•MGA•BBAR•MR•FL•CD
F051	24mm	Di III	F/2.8	64mm (2.5")	215g (7.6oz.)	67	.12m (4.7")	1:2	10/9	7	Sony FE	Dilli•OSD•LD•MGA•BBAR•MR•FL•CD
F053	35mm	Di III	F/2.8	64mm (2.5")	210g (7.4oz.)	67	.15m (5.9")	1:2	9/8	7	Sony FE	Dilli • OSD • LD • MGA • BBAR • MR • FL • CD
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	Di • SP • LD • MGA • USD • MR • FL • TAP • CD • DMPU • BBAR-G2

## **Tamron Lens Technology**



### **Lenses for Mirrorless Cameras**

Di III is the designation Tamron gives to lenses engineered specifically for mirrorless cameras. Di III-A denotes lenses for crop sensor (APS-C) mirrorless cameras.



### 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.



# Lenses Optimized for all DSLRs

Tamron Di lenses are performance optimized for digital SLR cameras and usable with DSLRs featuring full frame and APS-C sensors.



### 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. Compatible with select DSLR Lenses.



## TLU

# Tamron Lens Utility™ (TLU) software tool for lens function customization

Customize functions and update the firmware through the lens to provide flexible shooting options by connecting the lens from its Connector Port via the optional Tamron Connection Cable to the computer or smartphone. Customize switch settings, switch the focus ring function from focus adjustment

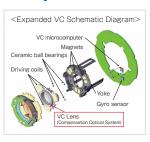


to aperture adjustment, change the rotation direction of the focus ring, set 2 focus positions (A and B), and more. The TLU software can be downloaded from the Tamron website or app stores.

## VC

### Vibration Compensation Image Stabilization System

Tamron's VC 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 or Tamron Lens Utility. VC should always be turned off when using the lens on a tripod.

## RXD

### Rapid eXtra-silent Drive



The RXD (Rapid eXtra-silent stepping Drive) 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 eXtremetorque 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 track-



ing is vastly improved for sports and racing photography.

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













### **USD**

Tamron's 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



linked to a precision focusing helical that moves the lens to the precise focus point.

## HLD

### High/Low torque-modulated Drive

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



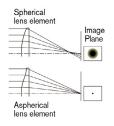
### **Optimized Silent Drive**

OSD is a 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.



### **Hybrid Aspherical** Elements

Tamron uses several hybrid Aspherical lens elements in many lenses bearing the ASL 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 in compact designs.

### **Ultrasonic Silent Drive**

electronically controlled AF system is



finest detail.

### **Fluorine** Coating

elements allows greater

control over chromatic ab-

erration and magnification

aberrations, the two major

factors that inhibit image

quality enhancement. In

combination with LD ele-

ments. XLD elements are used to deliver the highest

possible contrast and the

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





Image Plane

Image Plane

developed during the course of our industrial lens production such as the lenses used in automotive cameras.

Low Dispersion and Extra

LD glass elements in a lens help reduce chromatic aberration (color

fringing) that reduces the sharpness of an image. Use of XLD lens

Regular

LD Glass

**Low Dispersion Glass** 

### BBAR-G2

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

BBAR-G2 provides a full-contrast image with minimal ghosting and flare and is Tamron's 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.



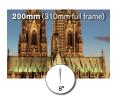
### **Full-Time Manual** Focus Mechanism

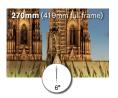
Enables the user to manually adjust focus without engaging the AF/ MF switchover button, even when in auto-focus mode.

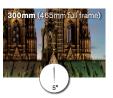












### **Zoom Lock**

ZL

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.

#### **Built-in Dual MPU DMPU** (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.

#### Circular Diaphragm CD

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

#### Moisture Resistant Construction MR

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

### **Moisture-Proof Construction**

MP Moisture-Proof and Dust-Resistant Construction prevents intrusion of dust or moisture (featured on model A025).

#### 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



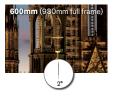
subjects at a distance such as birds as it allows the lens to disregard subjects in the foreground that can get in the way of focus.

### 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 incorporated into the lens as well. Featured on models A022 and A057.







ASL Aspherical element(s) MP Moisture-Proof Construction BBAR-G2 Next Gen Broad Band Anti-Reflective Coating MR Moisture Resistant Construction Ontimized Silent Drive CD Circular Diaphragm OSD RXD Rapid eXtra-silent Drive Di For Full-Frame & APS-C DSLRs Di II For APS-C DSLRs exclusively SM Stepping Motor Di III For Full-Frame and APS-C Mirrorless cameras SP Superior Performance Specifications DMF Direct Manual Focus Tap-In Console\* TAP DMPU Built-in Dual MPU (Micro-Processing Unit) TLU Tamron Lens Utility **eBAND** eBAND USD Ultrasonic Silent Drive VC Fluorine Coating Vibration Compensation VXD Voice-Coil eXtreme-torque Drive FLMT Focus Limiter XGM eXpanded Glass Molded Aspherical FLX Flex Zoom Lock FTM Full-Time Manual Focus Mechanism XLD Extra Low Dispersion **HLD** High/Low Torque-Modulated Drive XR XR element(s) Internal Focusing System ZL Zoom-Lock Mechanism

Low Dispersion element(s)

MGA Molded Glass Aspherical



All Tamron lenses include hoods and caps.



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



### TAMRON Become a Tamron VIP Americas VIP Club Member

Register your Tamron lenses towards VIP status and reap the rewards

Tamron Americas VIP Club rewards users in the USA and Canada who have registered their eligible Tamron lenses through our online warranty registration system. There are three VIP Club levels: Silver for those having registered three to four purchased lenses; Gold for those having registered five purchased lenses; and Platinum for those having registered six or more purchased lenses. Club membership will be evaluated each year in February to include new members who qualify and to increase the status level of current members if applicable. Get complete rules and program details at www.tamron-americas.com.



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### **TAMRON AMERICAS**

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