

16-300mm

F/3.5-6.3 Di II VC PZD MACRO  

for Canon/Nikon/Sony

TAMRON
New eyes for industry

For APS-C format digital cameras

The 16mm wide-angle revolution

Setting a new standard in high-power zoom lenses



World's first

18.8x
Zoom

16-300mm

F/3.5-6.3 Di II VC PZD MACRO

Model B016

This extraordinary 18.8x zoom comes with Vibration Compensation and high-speed Piezo Drive autofocus, making it a lens you can rely on for crisp, detailed wide-angle to long-telephoto shots.

Di II lens designed exclusively for APS-C sized digital SLR cameras. Comes with lens hood.

Compatible mounts: Canon, Nikon, Sony*

* The Sony mount does not include the VC image stabilization functionality, as the body of Sony digital SLR cameras includes image stabilization functionality. Consequently, the name of the Sony mounted lens does not include the VC description (16-300mm F/3.5-6.3 Di II PZD MACRO).

www.tamron.eu

Expand your options with high-power zooming from 16mm wide-angle.

18.8x
ZOOM

Spanning an ultra-wide spectrum of focal lengths, the all-in-one™ zoom lens is a supremely versatile photographic tool. Now, Tamron sets a new standard with a revolutionary new 18.8x zoom lens for APS-C sized digital SLR cameras. This single lens covers 16mm to 300mm and provides macro focusing. It combines our latest advances in optical design – including the deployment of aspherical elements and newly developed glass - with multiple layers of coating to produce clear, sharp images while maintaining compact dimensions. Imagine the creative possibilities embodied in this latest breakthrough from the pioneer in high-power zooms!

The world's first 18.8x zoom, plus 1:2.9 macro reproduction

Zooming from 16mm to 300mm, at its widest-angle setting this lens can shoot sweeping panoramic landscapes and intimate interiors, and as a telephoto it can capture powerful close-ups of distant subjects. Macro focusing down to 1:2.9 is also provided.

16-300mm Di II VC PZD, Different Angles of View



16mm
Diagonal: 82° 12'



300mm
Diagonal: 5° 20'

Advanced optical and mechanical design technology achieve high image quality in a compact, lightweight zoom

The cutting-edge lens design consists of 16 elements in 12 groups and includes three Molded-Glass Aspherical elements, two LD (Low Dispersion) elements and UXR (Ultra-Extra Refractive Index) glass. Together, they correct optical aberrations, while state-of-the-art multi-layer coating significantly minimizes ghosting and flare to deliver images of exceptional clarity. The entire package is kept incredibly compact through the use of advanced mechanical design engineering.

Elegant new style

The rubber grips on the zoom and focus rings have a rectilinear grid pattern that adds sophistication to the design, while the signature Tamron brand ring in tungsten silver enhances its luxurious finish.

Moisture-resistant construction

Moisture-resistant construction helps prevent moisture from penetrating the lens.



Moisture-resistant construction diagram

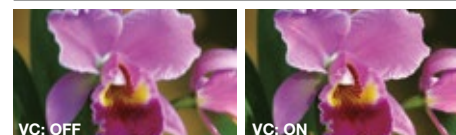
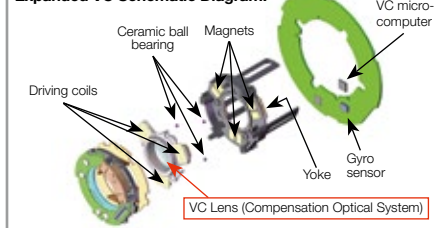
VC (Vibration Compensation)

VC (Vibration Compensation) is Tamron's proprietary image stabilization system. It employs three driving coils that electromagnetically activate a shake-compensating VC lens group. Since the VC lens elements are held in place only by three ceramic ball bearings, there is smooth movement with little



friction. Even when shooting long-range or under low light, the viewfinder image remains stable and the tracking response is excellent.

Expanded VC Schematic Diagram:

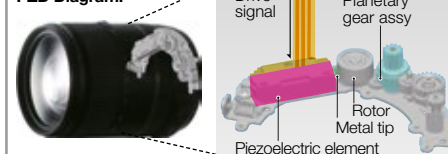


Focal length: 300mm, Exposure: F/7.1, 1/60 sec

PZD (Piezo Drive) for faster, quieter autofocus action

The PZD (Piezo Drive) provides noticeably faster, quieter autofocus action, allowing users to capture spontaneous moments in crisp images and to continue to shoot even when quiet operation is required. The full-time manual focus system enables fine focus adjustments to be made during autofocus shooting without having to change the focus mode beforehand.

PZD Diagram:



■ 16-300mm F/3.5-6.3 Di II VC PZD for Canon, Nikon ■ 16-300mm F/3.5-6.3 Di II PZD for Sony ■ Di II lens designed exclusively for APS-C sized digital SLR cameras. Model: B016

Model	B016
Focal Length	16-300mm
Maximum Aperture	F/3.5-6.3
Angle of View (diagonal)	82°12'-5°20'
Lens Construction	16 elements in 12 groups
Minimum Focus Distance	0.39m
Max. Magnification Ratio	1:2.9 (at f=300mm: MFD 0.39m)
Filter Size	Ø 67mm

Specifications, appearance, functionality, etc. may be changed without prior notice. Length and weight values given are for the Nikon mount.

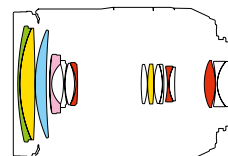
*1 Length is the distance between the mount face and the tip of the lens.

Length*1	99.5mm
Maximum Diameter	Ø 75mm
Weight	540g
Diaphragm Blade Number	7 (circular diaphragm)*2
Minimum Aperture	F/22-40
Standard Accessories	Flower-shaped lens hood
Compatible Mounts	Canon, Nikon, Sony*3

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

*3 The Sony mount does not include VC, as Sony digital SLR bodies include image stabilization functionality.

B016 Lens Construction	
Hybrid Aspherical Element	
LD Element	
XR (Extra Refractive Index) Glass	
UXR (Ultra-Extra Refractive Index) Glass	
Molded-Glass Aspherical Element	



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

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focus
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Management on Quality and Environment

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Note: Information valid as of February 2014. Information in this publication is subject to change at any time without prior notice.