



16-300mm F/3.5-6.3   MACRO  
for Canon / Nikon / Sony

**TAMRON**  
New eyes for industry

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 for Canon, Nikon

F/3.5-6.3 Di II PZD MACRO for Sony\*\*

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.

Model B016

Di II lens designed exclusively for APS-C sized digital SLR cameras

Compatible mounts: Canon, Nikon, Sony Standard Accessory: Flower-shaped lens hood

\*For interchangeable lenses for digital SLR cameras. (As of March 2014. Source: Tamron).

\*\*The Sony mount does not include VC since Sony digital SLR bodies include built-in image stabilization functionality.

[www.tamron.in](http://www.tamron.in)

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

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 (35mm equivalent: 24.8mm) to 300mm (35mm equivalent: 465mm), 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.

#### B016 Different Angles of View



16mm ▶ Equivalent 24.8mm

Diagonal: 82° 12'

300mm ▶ Equivalent 465mm

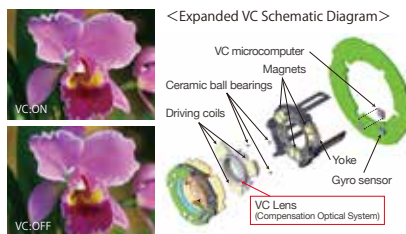
Diagonal: 5° 20'

### 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.

### VC (Vibration Compensation)

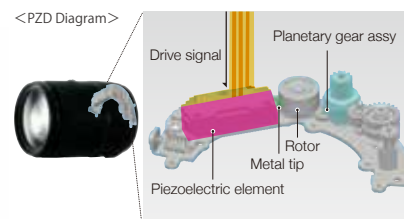
VC (Vibration Compensation) is Tamron's proprietary image stabilization system. It employs three driving coils that electromagnetically activate a shake-compensating VC lens group. Since the VC lens elements are held in place only by three ceramic ball bearings, there is smooth movement with little friction. Even when shooting long-range or under low light, the viewfinder image remains stable and the tracking response is excellent.



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

### PZD (Piezo Drive) for faster, quieter autofocus

With Tamron's PZD (Piezo Drive), autofocus is noticeably faster and quieter. You can capture crisp images spontaneously, even in noise-sensitive situations. There is enhanced support for contrast-detection AF capabilities, and focusing when in live-view mode is smoother. Full-time manual override lets you make fine focus adjustments at any time without having to switch out of autofocus mode.



### Elegant new style

The rubber grips on the zoom and focus rings have a reptilinear 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.



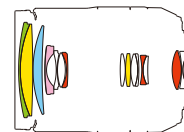
<Moisture-resistant Construction Diagram>

## 16-300mm F/3.5-6.3 Di II VC PZD MACRO for Canon, Nikon | 16-300mm F/3.5-6.3 Di II PZD MACRO for Sony 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 (15.3 in)               |
| Max. Magnification Ratio | 1:2.9 (at f=300mm: MFD 0.39m) |
| Filter Size              | Φ67mm                         |

|                        |                          |
|------------------------|--------------------------|
| Maximum Diameter       | Φ75mm                    |
| Length*1               | 99.5mm (3.9 in)*         |
| Weight                 | 540 g (19 oz)*           |
| Diaphragm Blade Number | 7 (circular diaphragm)*2 |
| Minimum Aperture       | F/22-40                  |
| Standard Accessory     | Flower-shaped lens hood  |
| Compatible Mounts      | Canon, Nikon, Sony*3     |

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



Specifications, appearance, functionality, etc. may be changed without prior notice.  
\*Length and weight are based on figures for the Nikon-mount lens.  
\*1 Length is the distance between the front tip of the lens and the mount face.

\*2 This circular diaphragm stays almost perfectly circular up to two stops down from maximum aperture.  
\*3 The Sony mount does not include VC since Sony digital SLR bodies include built-in image stabilization functionality.

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

B16-EG-111-M-1403-0200

# TAMRON

Manufacturer of precise and sophisticated optical products for a broad range of industries.

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Management on Quality and Environment  
Tamron is certified with international standards: ISO 9001 for quality and ISO 14001 for environmental management at its headquarters, domestic sales offices, China plant as well as three 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.

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