

**AF18-250mm F/3.5-6.3**  
**Di II LD Aspherical [IF] Macro**

**For Digital**  
with smaller-size imagers

**TAMRON**  
New eyes for industry



new

**Experience the great power of 13.9x\***  
**and enjoy an amazing 2 in 1 zoom**

*\*Like a 28-388mm lens in 35mm format*

**Di II** Lens designed for exclusive use on digital SLR cameras with smaller-size imagers.

\*This lens is not designed for use with 35mm film cameras and digital SLR cameras with image sensors larger than 24x16mm.

Model A18 For Canon, Nikon, Pentax, and Sony

[www.tamroneurope.com](http://www.tamroneurope.com)

**E**



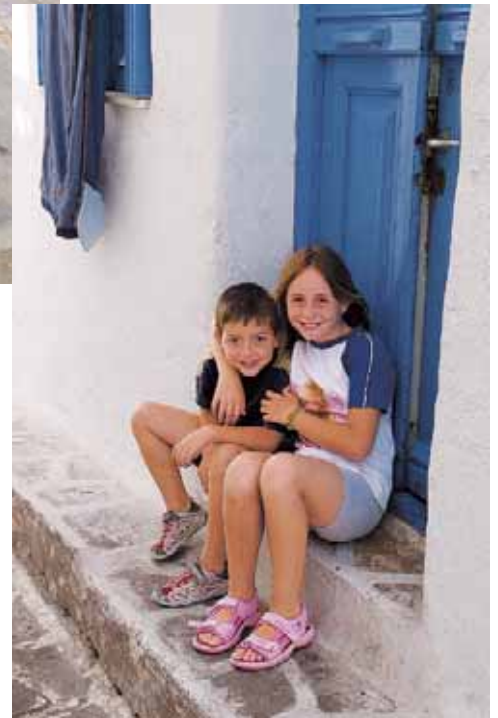
18mm  $\nabla$  75°33'  
 (Equivalent to 28mm)  
 Exposure : F/11 Auto ISO200 RAW



250mm  $\nabla$  6°23'  
 (Equivalent to 388mm) Exposure : F/8 Auto ISO200 RAW



180mm  $\nabla$  8°52'  
 (Equivalent to 279mm)  
 Exposure : F/8 Auto ISO100 RAW



50mm  $\nabla$  31°11'  
 (Equivalent to 78mm) Exposure : F/8 Auto ISO200 RAW

## Get ultimate high-power zoom performance: 28-388mm zoom range\* for total satisfaction with just a single lens

\* Equivalent to approx. 28-388mm when converted to 35mm format.

### World's Most Powerful Zoom, at 13.9x

Tamron's new high-power zoom lens is a photographer's dream come true — it is the result of Tamron's continuing mission to develop the world's most unique "one-lens-does-it-all" zooms to satisfy our customers' desire. While conventional 35mm film cameras required two lenses to cover 28-388mm, Tamron's new zoom is 13.9X, the world's most powerful zoom delivering enormous photographic freedom in a single compact lens. The life of a digital photographer has never been better.

On digital cameras, one lens can now cover the 28-400mm zoom range. The days of carrying two lenses are gone.



Zoom 13.9x



### Optimum Optical System Enables Ultra High-Power Zoom

#### Not an XR. Yet compact

While achieving the ultra telephoto capabilities of a 388mm lens\*, this Tamron zoom features an extremely compact optical system. Unlike previous Tamron lenses, this lens optimizes the power distribution of the entire optical configuration without using XR glass, to achieve both ultra high-power magnification and compact size.

\*35mm format equivalent

#### High Quality Digital Images

This lens is designed exclusively for digital SLR photography, and provides high quality digital photos with outstanding resolution and contrast.

#### Packed with Special Glass Materials

In addition to LD (Low Dispersion) glass that eliminates chromatic aberration and sharpens ultra-long shots, use of special glass materials such as Hybrid Asphericelements and Anomalous Dispersion (AD) glass achieve three goals in at once: increased magnification, compact size, and improved image quality.



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250mm  $\frac{6^{\circ}23'$   
(Equivalent to 388mm)  
Exposure : F/11(+1.7)Auto  
ISO200 RAW



250mm  $\frac{6^{\circ}23'$   
(Equivalent to 388mm)  
Exposure : F/8 Auto  
ISO100 RAW  
MFD:0.45m  
Macro Magnification Ratio : 1:3.5



100mm  $\frac{15^{\circ}53'$   
(Equivalent to 155mm)  
Exposure : F/8 Auto ISO100  
RAW



18mm  $\frac{75^{\circ}33'$  (Equivalent to 28mm) Exposure : F/11 Auto ISO100 RAW



new

### Great for macro photos, too. MFD = 0.45m (17.7")

Get amazing close-up shots with this digital SLR high-power zoom. The maximum magnification ratio of 1:3.5 (at f=250mm, MFD 0.45m) lets you fill the frame with a subject approximately the same size as a business card. You can easily and conveniently enjoy close-up (macro) photography of flowers, insects and more.

### Counters Ghosting and Flare with New Technologies

Tamron has adopted various countermeasures against ghosting and flare, which are annoying factors in digital photography. "Internal Surface Coatings"\* and new multiple-layer coating technology on ordinary elements are employed to minimize reflections that occur when light enters through the front element and to reduce image-degrading effects caused by the imagers themselves.

\*Multiple-layer coatings on cemented surfaces of plural elements.

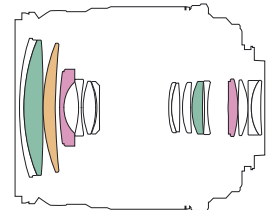
## AF18-250mm F/3.5-6.3 Di II LD Aspherical [IF] Macro

### Specifications

<b>Model</b>	A18
<b>Focal Length</b>	18-250mm
<b>Maximum Aperture</b>	F/3.5-6.3
<b>Angle of View</b> (Equivalent to APS-C size)	Diagonal: 75°33'6"23' Horizontal: 65°36'5"19" Vertical: 46°21'3"19"
<b>Lens Construction</b>	16 elements 13 groups
<b>Minimum Focus Distance</b>	0.45m (17.7")
<b>Max.Mag.Ratio</b>	1:3.5 (at f=250mm, MFD:0.45m)
<b>Overall Length</b>	84.3mm (3.3")*
<b>Maximum Diameter</b>	ø74.4mm (2.9")
<b>Filter Size</b>	ø62mm
<b>Weight</b>	430g (15.2 oz.)*
<b>Diaphragm Blades</b>	7
<b>Minimum Aperture</b>	F/22
<b>Standard Accessory</b>	Flower-shaped hood
<b>Compatible Mount</b>	Canon, Nikon, Pentax, and Sony

### Lens Construction

<16 elements 13 groups>



LD glass Hybrid Aspherical Lens  
AD glass

\*Values given are for Nikon camera.

\*The images in this leaflet are taken with prototype model. The cosmetic design and specs are subject to change without notice.

## What does the designation "Di-II" (designed for exclusive use on digital SLR cameras with smaller-size imagers) mean?

**Designed to capture the optimum scope when used with a digital SLR camera**

Since the size of 35mm film format is different from the image sensor of a digital camera, scopes captured are different even when focal lengths are the same (i.e., angles of view differ). The AF18-250mm Di-II is designed to have shorter focal lengths to achieve optimum angles of view in its wide-angle side.

**Designed to fit smaller-size imagers in order to reduce its diameter**

Attempts to design shorter focal lengths inevitably result in a larger lens diameter. Tamron has solved this problem by designing the size of the lens' image circle to match that of smaller-size image sensors. In the compact design, it is almost comparable to a lens offering the same angles of view in 35mm film format.

\*When pictures are taken with a Di-II lens mounted on a 35mm film camera, image corners become dark (i.e., vignetting becomes noticeable).

**Film and Digital – Angles of View and Focal Lengths**

Film: 388mm  
Digital: 250mm

Film: 78mm  
Digital: 50mm

Film: 28mm  
Digital: 18mm

\*Film = 35mm format.  
\*Digital = Digital cameras with smaller-size imagers.

**Different Angles of View**

Focal Length	Diagonal Angle	Horizontal Angle	Equivalent Focal Length
18mm	75°33'	65°36'	28mm
50mm	31°11'	26°7'	78mm
100mm	15°53'	13°14'	155mm
200mm	7°59'	6°38'	300mm
250mm	6°23'	5°19'	388mm

### Categories of Tamron's Di (Digitally Integrated design) lens series

**Exclusively for digital**

## Di II Lens Series

For Digital

Designed for exclusive use on digital cameras with smaller-size imagers. Di-II lenses are designed exclusively for digital SLRs with smaller-size imagers. This series of lenses are not designed for 35mm film cameras and digital SLR cameras with image sensors larger than 24 x 16mm.

SP AF11-18mm F/4.5-5.6 Di II (Model A13)    AF18-200mm F/3.5-6.3 XR Di II (Model A14)  
 SP AF17-50mm F/2.8 XR Di II (Model A16)    AF18-250mm F/3.5-6.3 Di II (Model A18)  
 AF55-200mm F/4-5.6 Di II (Model A15)

NOTE: Vignetting occurs when pictures are taken with a Di-II lens mounted on a 35mm film SLR camera or a digital SLR camera with an image sensor larger than 24 x 16mm.

**For film & digital**

## Di Lens Series

Film & Digital

Designed for use with both 35mm film SLR cameras and digital cameras. Di lenses are designed to fit the characteristics of digital cameras as well as film cameras by paying attention to countermeasures against ghosting and flare through such advances as special coatings.

SP AF17-35mm F/2.8-4 Di (Model A05)    AF70-300mm F/4-5.6 Di Macro 1:2 (Model A17)  
 SP AF28-75mm F/2.8 XR Di (Model A09)    SP AF200-500mm F/5-6.3 Di (Model A08)  
 AF28-300mm F/3.5-6.3 XR Di (Model A061)    SP AF90mm F/2.8 Di Macro 1:1 (Model 272E)  
 AF28-200mm F/3.8-5.6 XR Di (Model A031)    SP AF180mm F/3.5 Di Macro 1:1 (Model B01)

NOTE: The angles of view obtained by a "Di" lens mounted on a digital camera with smaller-size imagers differ from those obtained by the same lens mounted on a 35mm format film camera.

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