

# SP AF10-24mm F/3.5-4.5 Di II LD Aspherical [IF] **new**

**TAMRON**  
New eyes for industry

[Equivalent to 16-37mm\*]

\*When converted to 35mm film format.



## New 10-24mm Lens Expands Wide-Angle Range for Digital SLRs

**Di II**

Lenses designed for exclusive use on digital 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 B001 For Canon, Nikon, Sony and Pentax

<http://www.tamroneurope.com>

EN



10mm  <sup>108°44'</sup>  
(Equivalent to 16mm) Exposure: F/22 1/40sec. ISO100 RAW

## High-precision lens-making technology delivers breakthrough lens specifications and optical performance

### First-ever Ultra Wide-angle 10-24mm Focal Length Range

This ultra wide-angle zoom lens for digital SLR cameras, with the first-ever focal length range of 10-24mm – the 35mm equivalent of 16mm ultra wide-angle to 37mm semi-wide-angle – is a perfect tool for creating dramatic landscape, cityscape, and seascape imagery. At the ultra wide-angle setting, you'll be able to capture vistas beyond what the eye can see. At the semi-wide-angle setting, you'll capture scenes with angles of view almost as spectacular. Building on Tamron's existing ultra wide-angle zoom lens (11-18mm F/4.5-5.6), this versatile lens expands the focal length range and enhances the maximum aperture – in a lightweight, compact form.


### Large-aperture Glass-molded Aspherical Lens Elements Deliver High-Quality Imagery

The optical system within this zoom lens uses three large-aperture glass-molded aspherical lenses, as well as three hybrid aspherical lenses, which minimize spherical aberrations, coma, and distortion. This lens has earned its place within Tamron's SP (Super Performance) series.


### Minimum Focusing Distance of 0.24m Across Zoom Range


The close focusing capability of this lens lets you capture images with an exaggerated perspective at the 10mm ultra wide-angle end or shoot with a maximum magnification ratio of 1:5 at the 24mm semi-wide-angle setting. You will enjoy the freedom of creating close-ups at the minimum focusing distance of 0.24m throughout the zoom range.



24mm  <sup>60°20'</sup> (Equivalent to 37mm) Exposure: F/22 1/15sec. ISO100 RAW



10mm  <sup>108°44'</sup> (Equivalent to 16mm)  
Exposure: F/18 1/80sec. ISO100 RAW

10mm  <sup>108°44'</sup> (Equivalent to 16mm) Exposure: F/22 1.6sec. ISO100 RAW

## SPAF10-24mm F/3.5-4.5 Di II

LD Aspherical [IF] Model B001 For Canon, Nikon, Sony, and Pentax

new

### Specifications

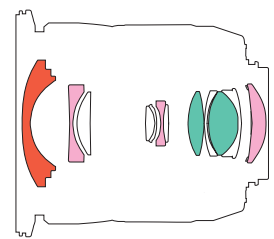
Model	B001
Focal Length	10-24mm
Maximum Aperture	F/3.5-4.5
Angle of View	Diagonal: 108°44'-60°20'
(Equivalent to APS-C size)	Horizontal: 98°28'-51°36'
	Vertical: 75°19'-35°29'
Lens Construction	12 elements 9 groups
Minimum Focus Distance	0.24m (19.3")
Max.Mag.Ratio	1:5.1 (at f = 24mm, MFD:0.24m)
Overall Length	86.5mm (3.9")*
Maximum Diameter	ø83.2mm (3.1")
Filter Size	ø77mm
Weight	406g (14.3oz.)*
Diaphragm Blades	7
Minimum Aperture	F/22
Standard Accessory	Flower-shaped hood
Compatible Mount	Canon, Nikon**, Sony, Pentax




\*Values given are for Nikon cameras.

\*\*The Nikon mount is a NII version for use with Nikon cameras which require a built-in motor.

### Lens Construction

< 12 elements in 9 groups >



 LD glass  Hybrid Aspherical Lens  
 Glass Molded Aspherical Lens



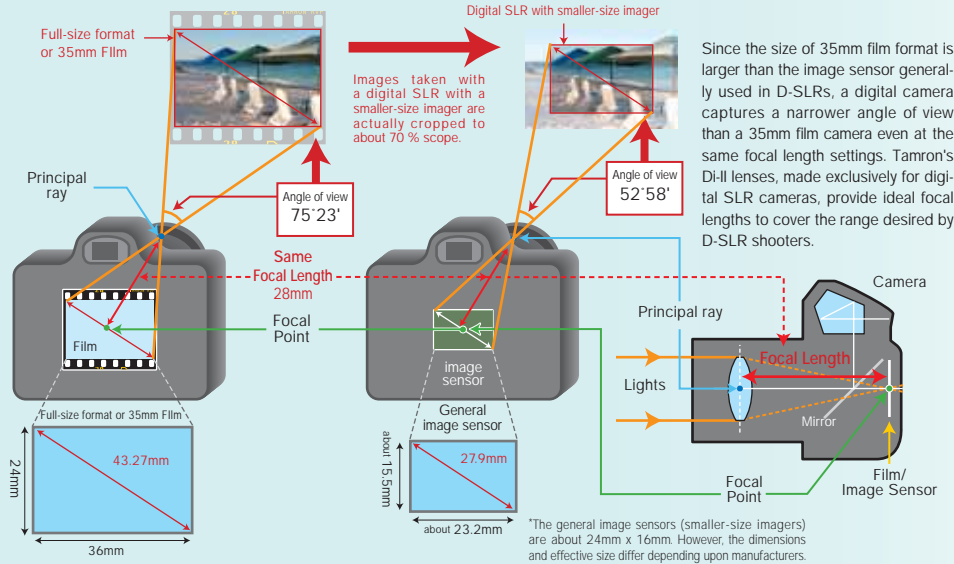
# Di II

## What does the designation "Di II" mean?

(Di II: designed for exclusive use on digital SLR cameras with smaller-size imagers)

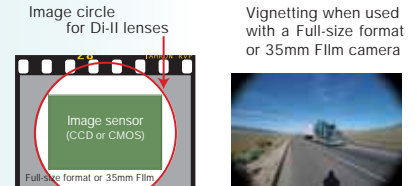
### 35mm = Full-size format or 35mm Film

### 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 (ie., vignetting becomes noticeable).



## The combination of SP AF10-24mm and AF18-270mm covers an amazing range of 16-419mm\*!

\*When converted to 35mm film format.

**10mm** Equivalent to 16mm\* 108°44' (Diagonal) 98°28' (Horizontal)

**24mm** Equivalent to 37mm\* 60°20' (Diagonal) 51°36' (Horizontal)



### SP AF10-24mm Di II Model B001

new



### AF18-270mm Di II Model B003

**50mm** Equivalent to 78mm\* 31°11' (Diagonal) 26°7' (Horizontal)

**270mm** Equivalent to 419mm\* 5°55' (Diagonal) 4°55' (Horizontal)

## Categories of Tamron's Di lens series

### Di II Lens Series

For APS-C Digital



Designed exclusively for digital cameras with APS-C size imagers. Di II lenses are designed exclusively for digital SLRs with APS-C 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 AF10-24mm F/3.5-4.5 Di II (Model B001) AF18-250mm F/3.5-6.3 Di II (Model A18)  
 SP AF17-50mm F/2.8 XR Di II (Model A16) AF18-270mm F/3.5-6.3 Di II VC (Model B003)  
 AF18-200mm F/3.5-6.3 XR Di II (Model A14) 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 full-size format SLRs camera or a digital SLRs with a image sensor larger than 24 x 16mm.

### Di Lens Series



Digitally integrated design. 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 AF28-75mm F/2.8 XR Di (Model A09) SP AF70-200mm F/2.8 Di (Model A001)  
 AF28-200mm F/3.5-5.6 XR Di (Model A031) AF70-300mm F/4-5.6 Di Macro 1:2 (Model A17)  
 AF28-300mm F/3.5-6.3 XR Di VC (Model A20) 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)  
 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 full-size format SLRs.

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

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



Quality Assurance Activities: At Tamron, quality management activities are performed in compliance with ISO9001:2000 not only to assure product quality but to enhance customer satisfaction.

Environmental Protection: We recognize the significance of our social responsibilities. Tamron promotes corporate activities that protect the earth's environment through the establishment of a quality assurance system that is compliant with ISO 14001.

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