

April 2008

## Tamron announces high-performance SP AF70-200mm F/2.8 Di LD (IF) MACRO

A lightweight, high-performance and fast tele-zoom lens realising 0.95m MOD over the entire zoom range – all this for just \$1,099!

Mr. Morio Ono, President of Tamron Co., Ltd., has announced the launch of **SP AF70-200mm F/2.8 Di LD (IF) MACRO**, a lightweight, high-performance and fast tele-zoom lens designed for DSLR cameras with 35mm full-size image sensors.

This new lens inherits the product concept of the existing **SP AF28-75mm F/2.8 XR Di LD Aspherical (IF)** (Model A09), highly acclaimed as a fast, compact standard zoom lens which enables photographers to enjoy superior cost/performance characteristics.

While increases over all its dimensions are absolutely minimal, this new lens offers a MFD (minimum focusing distance) of 0.95m over the entire zoom range, giving a maximum macro magnification ratio of 1:3.1 at 200mm focal length, for stress-free photography, combined with the advantages of an internal focusing (IF) system.

It enables the user to cover a focal length range of 70mm medium telephoto to 200mm telephoto when mounted on a 35mm full-size DSLR camera and a focal length range from 109mm to 310mm equivalent\* ultra-telephoto (35mm equivalent, in an angle of view of 7°59') when mounted on a DSLR camera equipped with an APS-C sized image sensor.

\*Tamron's conversion ratio is 1.55x.

**Product name:**

SP AF70-200mm F/2.8 Di LD (IF) MACRO  
(Model A001)

**Mounts available:** Canon, Nikon, Pentax and Sony

**Scheduled launch in Australia:**

Canon – mid-April 2008;  
Nikon, Pentax, Sony – during following months

Image downloadable from <http://highres.maxwell.com.au/tamron.html>



### Specifications

Model	A001
Focal Length	70-200mm
Maximum Aperture	F/2.8
Angle of View	34°21'–12°21'
Lens Construction	18 elements in 13 groups
Minimum Focusing Distance	0.95m (over the entire zoom range)
Maximum Magnification Ratio	1:3.1 (at f=200mm: MDF 0.95m)
Filter Diameter	77mm
Overall Length	194.3mm*
Maximum Diameter	89.5mm
Weight	1150g* (without tripod mount)
Diaphragm Blades	9 blades
Minimum Aperture	F/32
Standard Accessory	Flower-shaped lens hood, lens case
Compatible Mount	Canon, Nikon, Pentax and Sony
Approximate retail Price	\$1099.00

\*Values given are for Nikon AF-D cameras. The cosmetic design and specs are subject to change without notice.

## Main Features

### 1. 0.95m MFD over entire zoom range for 1:3.1 maximum magnification ratio

This zoom lens, designed for use with full-size format SLR cameras, boasts a fast maximum aperture of F/2.8, yet it allows close-focusing down to 0.95m over the entire zoom range. The maximum magnification ratio is 1:3.1 at the 200mm tele-end. The filter diameter is confined to  $\phi$ 77mm as a result of the use of an advanced optical design pursuing optimum optical power distribution.

### 2. Soft out-of-focus effect and sharp depiction

In order to realise soft out-of-focus effects and sharp depiction performance at the same time, the zoom lens uses three LD (low-dispersion) elements. As a result, the optical system effectively compensates for lateral and on-axis chromatic aberrations – major image-degrading factors in telephoto photography – to provide edge-to-edge sharpness and high-contrast image quality with flat-field characteristics over the entire zoom range in various photographic situations.

### 3. Lightweight lens with a fast F/2.8 maximum aperture

The lens features a fast maximum aperture of F/2.8, yet it weighs a mere 1,112.6 grams (39.2oz), since it uses barrel parts made of engineering plastic materials having excellent dimensional stability and sufficient strength for professional use and even industrial applications.

### 4. Internal surface coatings minimise ghosting and flare

Through the use of “Internal Surface Coatings (i.e., multiple-layer coatings on cemented surfaces of plural elements) and multiple-layer coatings to prevent reflections from lens surfaces, ghosting and flare due to reflections that occur when light enters through the front element as well as reflections caused by the imager itself in the mirror box are reduced to the absolute minimum.

### 5. One-touch AF/MF switchover mechanisms (for Canon and Nikon only)

The models for Nikon and Canon cameras are equipped with AF/MF switchover mechanisms to allow one-touch switchover from AF mode to MF mode or vice versa electronically and mechanically by simply sliding the button. (Sony and Pentax systems require AF/MF switchover operation on both the camera and lens.)

Since the lens uses an IF (internal focusing) system, the focusing ring does not rotate during focusing, which ensures good holding balance at all times. In the MF mode, focusing is performed as easily and comfortably as with an MF lens. Since the overall length of the lens does not change due to zooming or focusing, it offers excellent operability and holding balance.

### 6. Detachable tripod grip ring

The lens is supplied with a lightweight and rigid aluminium removable tripod socket.

### 7. Flower-shaped lens hood

A flower-shaped lens hood is included as a standard accessory. The special hood provides optimum shading of superfluous light rays that enter from the rectangular frame outside the image field.