

SUPER PERFORMANCE SERIES

TAMRON SP

Model **51B** DISTORTION-FREE, HIGH SPEED ULTRA-WIDE ANGLE LENS
COMPUTED TO GIVE OUTSTANDING PERFORMANCE

SP17mm F3.5

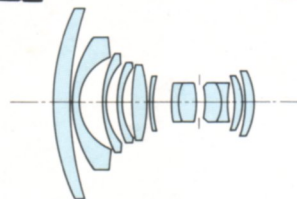
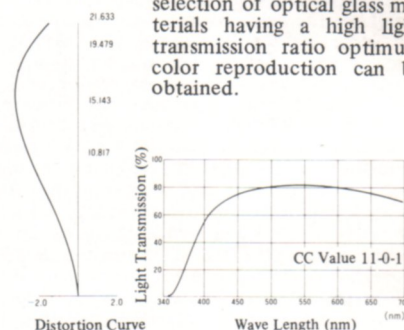
Reproduces the world of an ultra-wide 104° perspective by the employment of a revolutionary design which minimizes distortion to the utmost.



An inherent problem with conventional ultra-wide angle lenses is that they suffered from image distortion.

The Tamron SP 17mm f/3.5 lens is designed to reduce distortion to the absolute minimum by the design of a new optical system. The first element is of convex construction and the power of the respective elements is arranged in an ideal way.

This ultra-wide angle lens has a large 104° angle of view, yet it features a maximum aperture of f/3.5 making it one of the fastest lenses in its class. This provides a bright viewfinder image for easier focusing. Focus-dependent aberration changes are compensated for throughout the focusing range from infinity to the minimum object distance resulting in optimum optical performance and flatness of field. With the exclusive BBAR (Broad-Band, Anti-Reflection) multi-layer coating and the special selection of optical glass materials having a high light transmission ratio optimum color reproduction can be obtained.



F/11, 1/250 sec.

Tamron Adaptall Interchangeable Mount System Each Tamron lens may be selected by owners of more than 250 individual SLR models. Each mount provides full cross-coupling with each camera's automatic diaphragm controls as well as complete TTL light metering, including open-aperture and AE-metering systems and ensures compatibility with most popular 35mm SLR cameras.

TAMRON

Compact Design Measuring Only 43mm (1.7 in) with Four Built-in Filters Yet Giving No Circumferential Light Loss



F/11, 1/250 sec.



F/3.5, 1/30 sec.



With Y2 filter



With 80B filter



W/o filter

Outstanding design giving maximum handling convenience and no circumferential light loss

When evaluating the performance of ultra-wide angle lenses there are two important aspects to consider. Firstly the amount of vignetting that occurs and secondly the overall sharpness, particularly at the edges of the field. Previously with conventional ultra-wide angle lenses in this class it was difficult to obtain adequate illumination towards the edges of the field. This is because of the fact that in attempting to design a lens with good overall coverage the various aberrations increased proportionally which adversely affected the performance of the lens. The Tamron SP 17mm f/3.5 incorporates an innovative optical design engineered to minimize distortion to the smallest possible value and prevent vignetting at the edges, resulting in an even, flat-field image. The SP 17mm f/3.5 is a convenient-to-use lens giving outstanding quality over all the image field in terms of both definition and contrast.

Only 43mm (1.7 in.) in overall length with four built-in filters

The lens employs a convex design for its front element and yet the effective aperture of the element is as small as 51mm. Even though the lens is extremely compact measuring only 43mm (1.7 in.) in overall length four filters are built-in to enhance your photography. The filters consist of an 81B, which is used to reduce excessive blue prevalent on cloudy days or in the shade on fine days; an 80B used with daylight films in artificial light; a 1A (skylight) used to reduce excessive blue caused by ultra-

violet and a Y2 (yellow) which is used to increase contrast, for example between blue sky and white clouds. All these filters are essential for obtaining the best possible results in colour and black/white photography.

The filter required is chosen by simply rotating the filter selector ring. Despite the fact that the lens has a 12-element 10-group retrofocus type optical configuration it is not necessary to lock up the camera's mirror so focusing can be carried out on the viewfinder screen. Additionally, a push-on type lens hood which accepts 82mm front filters is available as an optional extra, and this allows the photographer to produce creative effects by using two filters together.

SP 17mm F/3.5 Specification

Focal Length	: 17mm
Aperture Range	: f/3.5~22, AE
Construction	: 12 Elements, 10 Groups
Angle of View	: 104°
Min. Focus from	
Film Plane	: 0.25m (9.8 in.)
Coating	: BBAR Multi-Layer Coating
Focusing Ring	
Rotation	: 107° 16' (9°41' from inf. to 2m)
Length (at Inf.)	: 43mm (1.7 in.)
Diameter	: 70mm (2.8 in.)
Weight	: 270 grams (9.5 oz.)
Lens Hood	: Push-on detachable hood available, as an optional extra, takes 82mm front filters.
Special Feature	: Four filters (1A, 80B, 81B and Y2) built-in.

The fast maximum aperture of f/3.5 covers a super wide 104° perspective.

Since the SP 17mm f/3.5 has a large 104° angle of view interesting results can be obtained with exaggerated perspective. The lens is ideal for landscape or architectural photography using this effect which is only possible with this type of lens as well as use in confined spaces. The lens having a maximum aperture of f/3.5 which is one of the fastest in its class is very convenient for available light photography.

Uses Exclusive Tamron Adaptall Mount

Tamron Adaptall mounts are available for most popular SLR cameras. They provide full meter and aperture coupling to faithfully reproduce all of the functions of the lens. Only one mount is necessary regardless of lens design.

ADAPTALL/ADAPTALL-2 MOUNTS AVAILABLE

Canon FD Series
Canon FT Series
Contax/Yashica Series
Fujica ST Series
Konica Autoreflex Series
Mamiya SX Series
Minolta MD Series
Minolta SR Series
Nikon F/AI Series
Olympus OM Series
Pentax ES/Spotmatic F Series
Pentax SMC Series (Bayonet Series)
Rollei SL/Voigtlander VSL Series
Topcon RE Series
Universal (Praktika 42mm Mount)
"C" mount for CCTV/VTR cameras and 16mm movie cameras
"MS" mount for CCTV/VTR cameras

Note: The SP Flat Field 2X Tele-Converter is compatible with all Adaptall-2 mounts but is not suitable for use with Tamron wide angle lenses or Adaptall Canon FD, Konica AR, Topcon RE, Minolta SRT, early Nikon A1 and Minolta Super/X mounts.