

# SIGMA

## 135mm f/1.8 AUTOMATIC

# YS LENS

The Sigma 135mm f/1.8 lens is fast enough to permit telephoto shooting under the same low light levels which are adequate for shooting with your normal lens. The Sigma lens utilizes the versatile YS system of camera fittings, providing full diaphragm automation and meter coupling to most any SLR 35mm camera.



### The YS System.

The family of YS automatic lenses encompasses a full range of focal lengths from extreme wideangle to long telephoto. The YS system provides complete interchangeability of any YS lens to most any 35mm focal plane SLR camera, maintaining fully automatic diaphragm control and, in addition, meter coupling on those cameras with external coupling for the behind the lens meter.



**Caution:** The fitting of the YS lens which accommodates the YS camera fitting is similar in appearance to the Pentax type lens mount. The YS lens should never be attached to any camera without the appropriate YS (or T) adapter mounted onto the lens.

#### **Attaching the YS Adapter.**

Screw the appropriate model YS adapter onto the rear thread of the YS lens and seat it snugly. The adapter and lens are factory oriented so that the lens, mounted to the camera body in the usual manner, will automatically engage the diaphragm and (where appropriate) meter mechanism.

#### **Orientation Adjustment.**

The full circle activation system of the YS adapter accommodates any slightly decentered seating of the lens so that the proper functioning of the auto diaphragm mechanism will be maintained. If required, loosen the three setscrews in the YS adapter, rotate the lens so that the center reference mark of the lens is in line with the centering mark on the YS adapter.

#### **Meter Couplers.**

Separate coupling devices to the external meter arm are included with the YS adapters for those cameras requiring such couplers. Specific instructions are included with the YS adapter.



### **Focusing Mount.**

The helical focusing mount racks the lens smoothly from infinity to the near focus limit.

### **SLR Cameras and Telephoto Lenses.**

The effectiveness of the various types of focusing screens varies with the focal length and the speed of the lens. The rangefinder of microgrid prisms built into the ground-glass do not work as well with longer focal length lenses as with the normal lens and may black out. When such conditions exist, focusing is best done on the groundglass portion of the viewing screen. On some SLR cameras, long lenses seem to produce an apparent cutoff, primarily in the upper corners or along the entire upper edge of the viewfinder. Actually, such viewing cutoff is caused by the size of the camera's mirror which is adequate for the shorter focal length lenses only. The slide or negative will be full and unaffected by this viewing deficiency.

### **Depth of Field.**

Depth of field is indicated for any distance and  $f$  setting on the depth of field scale which is the double scale of  $f$  numbers engraved on both sides of the center reference line. The distance settings opposite the  $f$  number being used on the left and right hand parts of the depth of field scale indicates the range of sharpness (depth of field) at that distance and  $f$  stop.



Specifications:

Mount	:	YS-Auto T System
Aperture diaphragm	:	Automatic to F/22
Picture angle:		
Diagonal	:	18 degree
Attachment size	:	77mm screw in (series IX)
Dimensions	:	80mm(dia.) x 95mm(3"x3 <sup>3</sup> / <sub>4</sub> ")
Weight	:	770grams(27oz.)
Lens construction	:	6 elements in 4 groups
Closest focus	:	200cm (6½ feet)
Distance Scale	:	Graduated in both feet and meters up to 6 feet and 2 meters



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