

** This lens is designed to deliver optimum performance with a filter in the lens assembly. Shooting without a filter in place may result in poor focusing or distorted images. A filter should be installed in the lens assembly at all times.

7. INFRARED PHOTOGRAPHY

- 1) Set the R-60 filter.
- 2) First focus in the normal way.
- 3) Turn the focus ring manually so that the distance scale marking that was previously aligned with the focus index mark is now aligned with the infrared guide mark "R".

NOTE : For more detailed information about infrared photography, please refer to the instructions packed with the infrared film or the section on "infrared" photography in the camera instruction booklet. The position of the infrared mark is based on a wave length 770nm for infrared light. Depending on the infrared film, peak sensitivity other than 770nm may require a slightly different setting. We suggest making extra exposures at slightly different focus settings, to the left and right of the mark.

8. BASIC CARE AND STORAGE

- 1) Make sure you put the front and rear lens protection caps on before putting the lens in a case.
- 2) When you put the lens in a case, set the focus controls so that the lens is as short as possible.
- 3) Avoid any shocks or exposure to extreme high or low temperatures or to high humidity.
- 4) For extended storage, choose a cool and dry place, preferably with good ventilation. To avoid damage to the lens coating, keep away from mothballs or naphthaline gas.
- 5) Do not use thinner, benzine or other organic cleaning agents to remove dirt or finger print from the lens elements. Clean using a soft, moistened lens cloth or lens tissue.
- 6) This lens is not waterproof. When you use the lens in the rain or near water, keep it from getting wet. It is often impractical to repair the internal mechanism and lens elements once they become damaged by water.

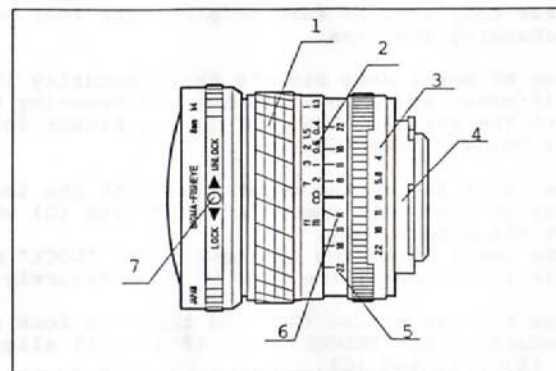
SPECIFICATIONS

Focal Length -----	:	8mm
Maximum Aperture -----	:	F4
Minimum Aperture -----	:	F22
Lens Construction -----	:	12 elements in 8 groups
Angle of View -----	:	180-degrees
Minimum Focusing Distance	:	20cm
Filter Size -----	:	22.5mm (Inner Mount System)
Dimensions -----	:	(D) 73.5mm X (L) 59.5mm
Weight -----	:	480g

INSTRUCTIONS

SIGMA

8mm F4 CIRCULAR IMAGE FISH-EYE LENS



- 1) Focus Ring
- 2) Distance Scale
- 3) Diaphragm Ring
- 4) Mount
- 5) Depth of Field Read Out Index
- 6) Infrared Guide Mark
- 7) Front Part Lock Button

Thank you for purchasing a Sigma 8mm circular image fish-eye lens. All Sigma lenses are produced at Sigma's own modern factory, with sophisticated equipment operated by experienced Sigma engineers. Every Sigma lens has been created by Sigma's own design team with the aid of computers to give you the most innovative high quality optics in a compact design. This lens is an Equisolidangle Projection type fish-eye lens which provides a 180-degree angle of view in any directions against the film plane. In order to get the maximum performance and enjoyment out of your Sigma 8mm F4 lens, please read this instruction booklet thoroughly before you start to use the lens.

The barrel of the lens has a professional-type anti-reflection finish called ZEN. This urethane resin surface is strong, hard, has excellent adhesion, and is resistant to chemicals, water and heat. The ZEN finish on the lens barrel creates a more comfortable and more secure non-slip feel, reduces reflections and resists scratches.

SIGMA CORPORATION

2-3-15 Iwato-Minami, Komae-Shi, Tokyo 201, Japan Tel:03(3480)1431 Telex:2423580 SIGMA J J

1. ATTACHING TO THE CAMERA BODY

When this lens is attached to the camera body it will automatically function in the same way as your normal lens. Please refer to the instruction booklet for your camera body.

** On the mount surface, there are a number of couplers. To avoid damaging these couplers, be sure to place the lens with its front end down while changing the lens.

** The new Canon MF mount uses Sigma's extra security locking system. There are different steps to attaching and removing the lens than are followed with the original Canon MF lens. Please follow the instructions below: (see fig. 1)

To Attach:

- 1) Align the red mark (A) on the mount ring with the lens index line (B). Then align them with camera's index line (C) while holding the lens against the camera body.
- 2) Then turn the mount lock ring (D) toward the "LOCK" mark (F) until the ring clicks and locks; the lens will be securely attached.

To Remove:

- 1) Push the lens release button (G), and turn the lock ring (D) in the direction indicated by "UNLOCK" mark (F') until aligned with the index marks (A), (B) and (C).
- 2) When all index marks are aligned, the lens can be removed.

** While attaching or removing the lens, do not turn or rotate the lens body. Turn only the lock ring.

2. SETTING THE EXPOSURE MODE

When a Sigma lens is mounted on your camera, it functions in the same manner as your normal lens. The basic setting is as follows. Therefore, depending on the camera body, the exposure setting may vary. Please refer to the camera instruction book.

1) For Nikon MF

When you use the Program exposure mode or Shutter speed priority auto mode, the diaphragm ring must be set to the smallest F-stop (i.e. largest number). The lens has a safety button which should be moved to the lock position. When you use the Aperture priority auto mode or Manual exposure mode, unlock the button and set the diaphragm value by turning the ring.

2) For Canon MF

When you use the Program exposure mode or Shutter speed priority auto mode, turn the diaphragm ring on the lens to the smallest F-stop (i.e. largest number), then set to the "A" position while pressing the Auto Lock Button. When you use the Aperture priority auto mode or Manual exposure mode, turn the aperture ring away from the "A" setting while pressing the Auto Lock Button, and set the diaphragm value by turning the ring.

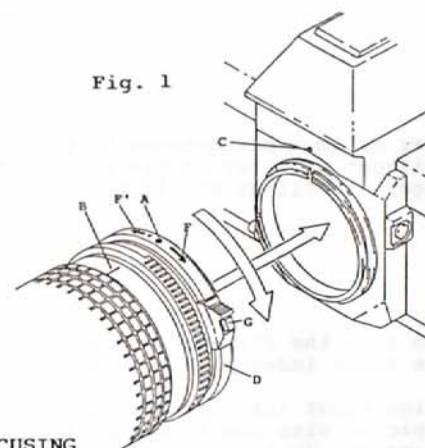
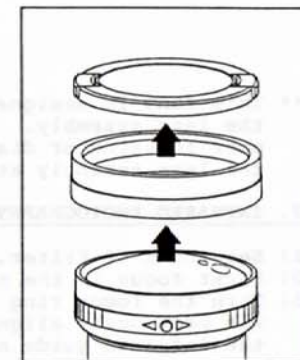


Fig. 1

Fig. 2



3. FOCUSING

You can set the focus by turning the focus ring.

- ** This lens has an extremely wide angle of view. Please check carefully in the view finder that your hands, legs, shoes, tripod, etc. are not in the picture.
- ** When you take a picture, please remove both the lens cap and the cap adaptor ring, not just the lens cap. (see fig. 2)

4. PREVENTION OF FLARE AND GHOST

Because of the extremely wide angle of view of this lens, flare and ghosting may occur much more easily than with other lenses. When you take a picture with the 8mm lens, please pay special attention to flare and ghosting which can occur when shooting directly into the sun or other very bright lights.

5. DEPTH OF FIELD

When you set the focus for a particular subject, there is an area in front of and behind your subject that will also be in focus, although you cannot see this area. This is called the Depth-of-Field. Generally speaking, the larger the aperture (smaller F-stop number), the shallower the depth of field. On each side of the distance index mark, a Depth-of-Field read out is printed on the lens.

6. FILTER

This lens uses a unique Bayonet Mount Filter Changing System. A 22.5mm filter is mounted at the rear of the front lens assembly. A NORMAL (clear) filter for general color and black-and-white photography is installed in the lens assembly. A Y-52 filter (yellow, for black-and-white portraits and scenes), O-56 filter (orange, for somewhat stronger effect than the yellow filter), and R-60 filter (red, for strong contrast and infrared photography) are supplied as standard equipment with this lens.

To replace the filter:

- 1) Push the Front Part Lock Button and turn the front part in the direction indicated by the "UNLOCK" mark about 60 degrees.
- 2) Remove the front part from the main lens barrel. Now you can see the filter.
- 3) Replace the filter.
- 4) Align the red marks on the main barrel and the front part, then insert the front part into the main barrel.
- 5) Turn the front part toward the "LOCK" mark until the lock button clicks and locks.