

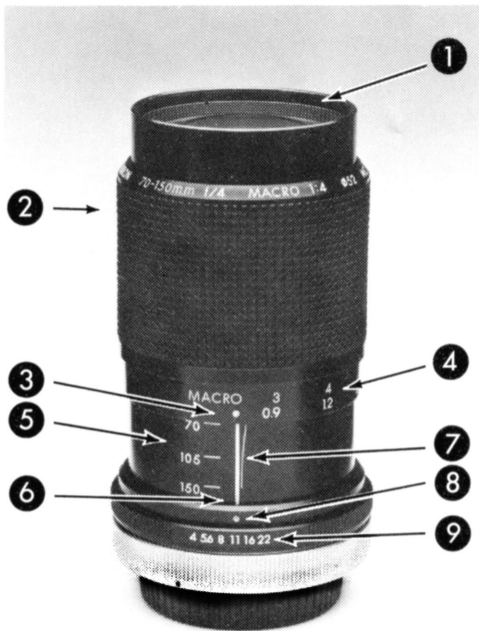
KIRON

Macro-Focusing Zoom

70-150mm

f4

Instructions



Your new Kiron 70-150mm f4.0 Macro-Focusing Zoom lens is the product of advanced optical design and precision mechanical engineering. We suggest you take a moment or two to familiarize yourself with its features and operation. With proper care, it will provide you with a lifetime of outstanding service.

Features

- ① 52mm Accessory Thread
- ② Zoom/Focus Ring
- ③ Macro Focus Setting
- ④ Distance Scales
- ⑤ Focal Length Settings
- ⑥ Distance Index Line
- ⑦ Infrared Focus Line
- ⑧ Aperture Index
- ⑨ Aperture Ring

Mounting and Exposure Settings

Your Kiron lens is designed to be totally compatible with all mounting and exposure mechanisms in your camera. You may therefore follow the standard procedures outlined in your camera owner's manual.

Zooming and Focusing

This lens has a single Zoom/Focus Ring ② . Simply turn the ring to focus and push or pull to change the size of the image. (Note: The plane of focus for infrared radiation is different from that of light. When using infrared films you must therefore move the focus setting to the red Infrared Focus Line ⑦ .)

The Macro Focus Setting ③ provides you with the maximum magnification at each focal length. This is particularly useful in closeup photography, because it allows you to focus as closely as possible and yet change the size of the image without having to move the camera.

How to Get the Most from Your Lens

1. Focus carefully. You may find it easier to focus with the Zoom/Focus Ring set at 150mm. You can then zoom to the image size you want, being careful not to change focus.
2. The steadier your camera, the sharper the picture. Camera motion can blur your pictures just as easily as subject motion. Your minimum shutter speed for hand-held photography should therefore be no lower than 1/125 second. When using slower shutter speeds, take care to properly brace yourself or place the camera on some form of steady support.

3. Use the lens hood, not only to help shade the front element from glare, but to give added protection from bumps and scratches.

Lens Care

When using your lens, take normal care to protect the front element from fingerprints, dirt, sand, and water. Many photographers use a Skylight 1A or UV filter for this purpose.

Remove dust with a soft lens brush or a gentle puff of compressed air. Remove fingerprints or other marks with **photographic** lens tissue moistened with **photographic** lens cleaner. Never rub the lens with dry tissue or any other material, since this can scratch the coating.

When your lens isn't being used, store it in a cool, dry place with both front and rear lens caps in place. If you live in a humid climate, store the lens with the supplied package of silica gel.

Specifications

Optical Construction: 13 elements/9 groups. Multicoated.

Accessory Size: 52mm

Angles of Acceptance: 33.5° – 16.7°

Aperture Range: f4.0 – f22

Minimum Focusing Distance from Film Plane: 0.81 m
(2.6 ft.)

Maximum Reproduction Ratio

Lens alone at 150mm: 1:4 (1/4 life-size)

Lens with 1.5X Match Mate*: 1:3

Lens with 2X Match Mate*: 1:2

Length at Infinity Focus: 96.5 mm (3.8 in.)

Barrel Diameter: 65.5mm (2.6 in.)

Weight: 485 g (17.0 oz.)

* optional accessory

Specifications subject to change without notice. Weights and measures vary slightly according to lens mount.

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