

KIRON

70-210mm f4-5.6
Macro Focusing Zoom

Instructions



Your new Kiron 70-210mm f4-5.6 Macro Focusing Zoom is the product of advanced optical design and precision mechanical engineering. It's also easy to use. Simply take a few minutes to familiarize yourself with the following description of features and general instructions. With proper use and care, your Kiron 70-210mm f4-5.6 will provide you with years of outstanding service.

Features

1. 52mm Filter Threads
2. Zoom/Focus Ring
3. Macro Focus Index Mark
4. Distance Scales
5. Focal Length Index Marks
6. Distance Index Line
7. Infrared Focus Line
8. Aperture Index Mark
9. Aperture Ring

Mounting the Lens

Nikon, Pentax, Minolta, Olympus, Yashica/Contax mounts – Use the standard procedure for mounting your camera brand lenses.

Canon mount – Canon mount Kiron lenses have a black mounting ring. Mount the lens as shown in photo A, with all three index marks aligned. Turn the mounting ring clockwise to lock the lens onto your camera.

NOTE: When mounting or dismounting the PK-A mount on the Pentax or Ricoh program camera systems, set the aperture ring to any position other than the "A" mark. If you mount or dismount the lens with the aperture in the "A" position, you may cause damage to your program switch pin.

Focusing and Zooming

This zoom lens has a one-touch system, so that you can both zoom and focus with one ring. First, obtain the desired composition by pulling or pushing the zoom/focusing ring. Then, proceed with focusing.

Many SLR cameras use a split-image type focusing screen in the viewfinder and the angle of the split-image differs among various camera bodies. If the split-image darkens, due to the angle, it is recommended to use the adjacent matte-field for focusing. This matte-field should also be used for focusing when using the lens in the macro mode.

Infra-red Photography

This zoom lens has an infra-red focusing line engraved on the lens barrel which allows for accurate focusing when using infra-red film and a red filter. When taking infra-red photography, focus normally on your subject and read the distance on the distance scale. Then, turn the focusing ring until this distance reading is lined up with the infra-red index.

NOTE: Infra-red photography is not possible within the macro focusing range.

Macro Photography

This zoom lens offers macro capability throughout the entire focal length between 70mm and 210mm, making it possible to focus to 1.1m (3.6ft). Switching into macro mode is done simply by aligning the minimum focusing distance setting of 1.1m with the center index line. The maximum reproduction ratio of 1:4 is obtained when the focusing distance is set at 1.1m and the focal length is set at 210mm.

NOTE: The macro function of this zoom lens is different from a flat field macro lens and may not be suitable for duplication of two dimensional subjects such as documents or drawings. Minimum focusing distance is measured from film plane.

How to Get the Most From Your Lens

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.

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 of any other material, since this can scratch the coatings.

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

Specifications

Focal length: 70-210mm

Maximum Aperture: f/4.0-5.6

Optical Construction: 12 elements – 8 groups

Lens Coating: Multilayer

Angle of View: 34°20' – 11°50'

Minimum Focusing Distance: 1.1m (3.6ft)

Macro Maximum Reproduction Ratio: 1:4

Zoom Control Mechanism: One Touch
(push-pull)

Mount: Fixed

Filter Size: 52mm \varnothing

Maximum Diameter: 66mm (2.6in)

Length (with Nikon Mount): 85mm (3.4in)

Weight (with Nikon Mount): 400g (14.2oz)

NOTE: Specifications are for Nikon mount only. Other mounts may vary slightly.



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