

**KIRON** 

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2X MATCH MATE

Instructions

The Kiron 2X Match Mate doubles the focal length and maximum reproduction ratio of your Kiron telephoto zoom lens without sacrificing optical quality. The Kiron 80-200mm f4 Macro-Focusing Zoom, for example, would become a 160-400mm f8 Macro-Focusing Zoom offering continuous focusing from infinity to 1/2 life-size.

## **Mounting**

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First mount the Match Mate onto your camera body, then mount your lens onto the Match Mate. This sequence ensures proper coupling between your camera, lens, and Match Mate.

## **Exposure Compensation**

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The 2X Match Mate will reduce the effective aperture of your lens by 2 f-stops. In other words, if the aperture ring is set to f4, the effective aperture will be f8. To compensate, you must increase your exposure by 2 stops. Cameras with

TTL (through the lens) exposure meters will compensate automatically. If you are using a hand-held exposure meter, you can compensate manually by:

1. Increasing the recommended aperture by 2 stops. (For example, if the meter recommends f11, set the aperture at f5.6.) **or**
2. Reducing the recommended shutter speed by 2 stops. (For example, if the meter recommends 1/500 second, set the shutter at 1/125 second.)  
**or**
3. Both increasing the aperture and reducing the shutter speed by 1 stop. (For example, if the meter recommends 1/500 at f11, set the camera to 1/250 at f8.)

If you are using electronic flash, increase only the recommended aperture by 2 stops.

## **For the Best Results**

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Remember that just as the 2X Match Mate doubles the focal range of your lens, it will also magnify the effects of camera motion. You should therefore take extra care to steady your camera before taking a picture. When possible, use a tripod or some other form of support.

## **Specifications**

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(70-150mm f4 Macro-Focusing Zoom with 2X Match Mate)

Angles of Acceptance: 17° - 8°

Aperture Range: f8 - f44

Maximum Reproduction Ratio: 1:2

Minimum Focusing Distance: 0.8 m (2.6 ft.)

Length at Infinity Focus: 147 mm (5.8 in.)

Weight: 708 g (25 oz.)

## Specifications

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(80-200mm f4 Macro-Focusing Zoom with 2X Match Mate)

Angles of Acceptance:  $15^{\circ}$  -  $6^{\circ}$

Aperture Range: f8 - f44

Maximum Reproduction Ratio: 1:2

Minimum Focusing Distance: 1.08 m (3.5 ft.)

Length at Infinity Focus: 187 mm (7.4 in.)

Weight: 867 g (31 oz.)

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

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4/80