

**KIRON** 

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1.5X MATCH MATE

Instructions

The Kiron 1.5X Match Mate increases the focal length and maximum reproduction ratio of your lens 1½ times without sacrificing optical quality. It is optimized for lenses having a focal length of 70mm or longer. With Kiron telephoto zoom lenses you can use the entire range, but with Kiron wide-to-telephoto zooms best results will be obtained in the telephoto range.

## **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 1.5X Match Mate will reduce the effective aperture of your lens by 1 f-stop. In other words, if the aperture ring is set to f4, the actual aperture will be f5.6. To compensate, you must increase your exposure by 1 stop. 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 1 stop. (For example, if the meter recommends f11, set the aperture at f8.) *or*
2. Reducing the recommended shutter speed by 1 stop. (For example, if the meter recommends 1/500 second, set the shutter at 1/250 second.)

If you're using electronic flash, increase only the recommended aperture by 1 stop.

## **For the Best Results**

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Remember that just as the 1.5X Match Mate increases the focal range of your lens, it will also increase 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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### **1.5X Match Mate with 70-150mm f4 Macro-Focusing Zoom**

Angles of Acceptance: 23° - 11°

Aperture Range: f5.6 - f32

Maximum Reproduction Ratio: 1:3

Minimum Focusing Distance: 0.8 m (2.6 ft.)

Length at Infinity Focus: 132 mm (5.2 in.)

Weight: 668 g (23.5 oz.)

## **1.5X Match Mate with 80-200mm f4 Macro-Focusing Zoom**

Angles of Acceptance: 20° - 8°

Aperture Range: f5.6 - f32

Maximum Reproduction Ratio: 1.3

Minimum Focusing Distance: 1.08 m (3.5 ft.)

Length at Infinity Focus: 172 mm (6.8 in.)

Weight: 826 g (29 oz.)

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

**IMPORTANT NOTE:** When using the 1.5X Match Mate with the Kiron 28-85mm f2.8-3.8 Varifocal Zoom lens, the following restrictions apply: 1. All photos must be taken at the 85mm position (effective focal length 128mm). 2. All photos must be taken at maximum aperture, i.e. f3.8 (effective aperture f5.6).

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