KIRON

MC7

2X Teleconverter

Instructions

The Kiron MC7 2X Teleconverter is a precision optical accessory that allows you to double the focal length of your prime lens without sacrificing optical quality. Its seven element design minimizes optical aberrations, while its multicoated lens elements reduce flare and maintain contrast and color saturation. The Kiron MC7 2X Teleconverter thereby provides better performance than can be expected with standard, general purpose teleconverters, and is compatible with a wide range of fixed focal length and zoom lenses, from normal to extreme telephoto.

With the Kiron MC7 you can convert your 50mm normal lens into a 100mm medium telephoto ideal for portraits and candids. Add the Kiron MC7 to your 70-210mm zoom and it becomes a 140-420mm super-tele zoom! And because your prime lens maintains its original minimum focusing distance, you also get twice the close-focusing power. For example, if your prime lens focuses to ¼ life-size (1:4) the Kiron MC7 will allow it to focus to ½ life-size (1:2).

In order to get the best possible pictures using your new Kiron MC7 2X Teleconverter, we suggest you take a few minutes to review the following instructions.

Mounting

First mount the Kiron MC7 teleconverter onto your camera body, then mount your lens onto the teleconverter. This sequence assures proper coupling between your camera, lens, and teleconverter.

Exposure Compensation

The Kiron MC7 2X Teleconverter will reduce the effective aperture of your lens by two f-stops. In other words, if the aperture ring on your lens is set to f1.4 the effective aperture will be f2.8. If the aperture ring is set to f4 the effective aperture will

be f8, and so on. Cameras with TTL (through-the-lens) exposure meters will compensate for this automatically. If you're using a hand-held exposure meter you must manually compensate by:

1. Opening up the recommended aperture by two stops. For example, if the meter recommends f11, set your aperture ring to f5.6.

or,

2. Slowing the recommended shutter speed by two stops. For example, if the meter recommends 1/500 second, set the shutter to 1/125 second.

or,

3. Opening the aperture and slowing the shutter speed by one stop. For example, if the meter recommends 1/500 second at f11, set the camera to 1/250 second at f8.

If you're using electronic flash, open up only the recommended *aperture* by two stops.

Focusing

Naturally, because the Kiron MC7 reduces the effective aperture of your lens by two stops, the viewfinder in your camera will be two stops darker. If your lens has a maximum aperture of f2.8 or smaller, this may cause the center of your viewfinder to become very dark. *This is normal.* Focus by using the groundglass area surrounding the center of the focusing screen.

For the Best Results

Remember that just as the Kiron MC7 2X Teleconverter doubles the focal length 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, particularly when you must use shutter speeds below 1/125 second.

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