

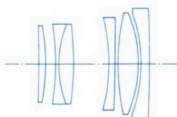
English

## Tele-Converter 2× N

M645 Tele-Converter 2×N is used for M645 series cameras [M645-Super M645-1000S, M645] in combination with interchangeable lens as per the attached table. The focal length of the master lens (lens in use) becomes 2×, and the exposure becomes 4× (by two stops).

### Specifications:

Construction: 6 elements in 5 groups  
Length: 61.5mm  
Maximum diameter: 75mm  
Exposure meter coupling: Automatic  
Weight: 325g



### Focal Length and Intensity of Light

Master Lens	Effective change in focal length and aperture
Mamiya-Sekor C 150mm f/3.5	300mm f/7
Mamiya-Sekor C 210mm f/4	420mm f/8
Mamiya-Sekor C 300mm f/5.6	600mm f/11
Mamiya-Sekor Zoom C 75~150mm f/4.5	Zoom 150~300mm f/9
Mamiya-Sekor C 500mm f/5.6	1000mm f/11
Mamiya-Sekor C 500mm f/8 Reflex	1000mm f/6
Mamiya-Sekor C 145mm f/4 Soft Focus	290mm f/8
Mamiya-Sekor C 50mm f/4 Shift	100mm f/8

[Note] Lenses other than the above cannot be used. The best possible effects can be derived, especially when used in combination with any of the master lenses within the bold-lined frame.

- ★ Read the photographing distance on the distance graduations of the master lens. With the same photographing distance, 2× closeup photographing effect results.
- ★ Use the depth-of-field scale on the master lens as it is when reading the depth of field.
- Shifting photography using the 50mm f/4 shift lens causes vignetting.
- Remove the lens from the Tele-Converter before replacing the filter in combination with 500mm f/8 reflex lens.
- Using an auto extension ring deteriorates the resolution.

### Attaching/Removing (in the same manner as lenses)

1. Seat the Tele-Converter on the camera body by aligning the cocking position mark (red dot) on the Tele-Converter with the lens cocking position mark (red dot) on the camera body, and secure it by fully rotating it clockwise.

2. Combine the Tele-Converter with the master lens by aligning the lens cocking position mark (red dot) with the red mark on the lens ring, and secure it by fully rotating it clockwise. (At the fixing position the master lens cocking pin of the lens ring rises to lock.)

Remove the lens by rotating it counterclockwise, while pressing the master lens removal pin on the lens ring.

★ The master lens can be mounted after seating the Tele-Converter on the camera body, or the combined Tele-Converter and master lens can be mounted on the camera body.

[In order to couple the aperture value with the metering system, be sure to make sure before use that each of the following parts engages correctly.]

- The exposure meter coupling latch on the Tele-Converter engages correctly with the exposure meter coupling pin on the camera body;
- The lens aperture coupling latch engages correctly with the exposure meter coupling latch on the Tele-Converter.

### Automatic Photometry

When using either of the AE Prism Finder N (for M645 Super), AE Prism Finder, PD Prism Finder S or CdS Prism Finder (for M645, M645-1000S), there is no need of exposure compensation, since its metering system automatically functions.

When an independent exposure meter has been used, photograph after opening the just metered aperture by two stops.

### Focusing

Focusing is done in the normal procedure. When photographing at ∞, make sure of accurate adjustment to obtain the ∞ position on the screen.

Focusing may be difficult to do on a certain kind of finder screen. So, in using the Tele-Converter, it is recommended that you use either of the following all matte screens.

M645-Super : Type A Type A4  
M645, M645-1000S: Type No.2 Type No.3

### Flash Photography

When auto flash photography is used, or calculation is based on the guide number, use an aperture two stops lighter than the set f value.

**Caution:** Double-decked Tele-Converter can be used, but are not recommended because of a consequent lower resolution and a larger exposure.