

SZX SUPER TELE 400mm F8

Reflex MF

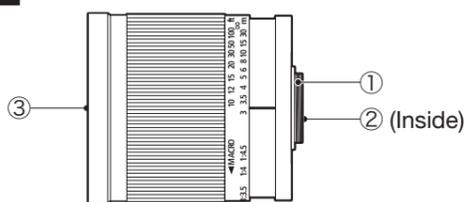
Instruction Manual

This is a telephoto lens for a single-lens reflex cameras or interchangeable lens mirrorless digital cameras adopting reflective optics to achieve a long focal length within a compact body.

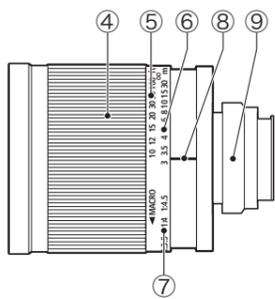
1. Part names

- ① Mount adapter attachment thread
- ② Filter attachment thread (rear)
- ③ Filter attachment thread (front)
- ④ Focus ring
- ⑤ Distance scale (in feet)
- ⑥ Distance scale (in meters)
- ⑦ Macro magnification scale
- ⑧ Distance scale indicator mark
- ⑨ Mount adapter

Fig. 1



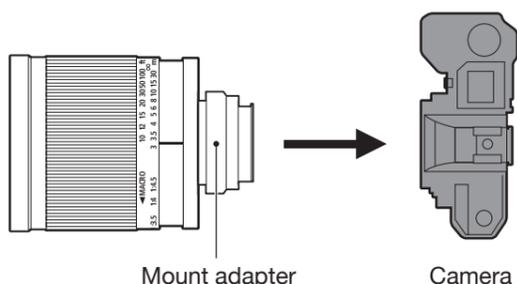
Lens with mount adapter removed



* The shape of the mount adapter may vary depending on camera specifications.

2. Attaching the lens to the camera

Align the indicator marks on the mount adapter and the camera body, and then turn the lens until you hear a "click." (For attachment and removal, refer to "Attaching the Lens" and "Removing the Lens" in your camera's manual.) Make sure the lens is firmly attached.



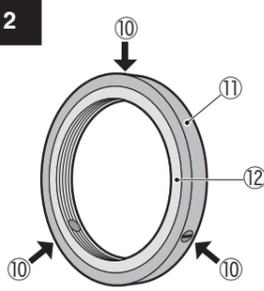
Mount adapter

Camera

3. Mount adapter

In order to adjust the position of the lens or attach rear filter you have to adjust the mount adapter. Follow the instructions below to adjust the position or remove the mount adapter:

Fig. 2



- ⑩ Outer screw (x3)
- ⑪ Outer ring
- ⑫ Inner ring

Note : If the outer screws (⑩) are loosened too much, the inner ring (⑫) may come off.

* The shape of the mount adapter may vary depending on camera specifications.

If the distance scale indicator mark (⑧ in Fig. 1) does not align with the top center of the lens when it is attached to the camera, adjust according to the instructions below:

- 1 Slightly loosen the outer screws (⑩) as shown in Fig. 2.
 - * Do not loosen the screws too much. It may cause the inner ring of the mount adapter to come off.
 - * Use a regular precision screwdriver to loosen the screws.
- 2 Turn the lens until the distance scale indicator comes to the top center, and then securely tighten the outer screws (⑩) as shown in Fig. 2.

Note : For easier operations, the 3 exterior screws are slightly loosened at the time of shipment. Make sure beforehand that you use screwdriver to tighten the screws before attaching the mount to the lens.

Follow the instructions below to remove the mount adapter from the lens:

- 1 Take the lens off the camera.
- 2 Remove the mount adapter from the lens by turning the mount adapter counterclockwise while holding the lens with the other hand.

4. Setting up the camera

Some cameras must be set up before attaching the lens. Set up your camera by referring to the information provided below. For details, refer to your camera's manual. For correct using and setting of the camera's in-built image stabilization, refer to your camera's manual.

Canon EOS series

The lens can be used in the "Av (aperture priority)" mode and "M (manual)" mode.

How to use the "Av (aperture priority)" mode

1. Set the exposure mode to "Av."
2. Correct the exposure compensation if necessary.

If this lens is used with a Canon EOS series camera, the following operations may be required on some models due to the specifications of the camera:

- When the lens is attached, the aperture is displayed as "00.": You can shoot as it is.
- An aperture value (e.g., F5.6) is displayed when the lens is attached: Open up the aperture (adjust it to the smallest value).
- * This lens cannot be used with those cameras that have no aperture priority mode (Av) or manual mode (M).
- * If a conversion lens or an extension tube (ring) is attached, the camera will not operate correctly. Do not combine this lens with the above items.
- * The Focus Aid function cannot be used.
- * The aperture cannot be adjusted in the aperture priority mode.
- * The aperture value will not be recorded in Exif data.

Nikon F

The supported exposure modes might be limited depending on the camera model.

Refer to "List of Supported Non-CPU Lenses" or other similar sections in your camera's manual.

D5XXX series, D3XXX series, D90, D80, D60, D40X, D40, D70S, D70, D50, D100

To use this lens with any cameras listed above, set the shooting mode to "M (manual)."

The shutter cannot be released in any other mode.

- * The shutter speed must be adjusted depending on the condition in which photographs are taken.
- * Set the focus mode to "MF."
- * The aperture cannot be adjusted in the aperture priority mode.
- * The aperture value will not be recorded in Exif data.

SONY E

The non-lens release lock function must be canceled. Menu ⇒ Setup Menu ⇒ Change the setting for [Release without Lens] to [Permit].

Any shooting mode can be used, except for those in which priority is given to the shutter speed. It is not recommended to give priority to the shutter speed (shutter priority mode).

* In the program mode, aperture priority mode or manual mode, set the ISO sensitivity to AUTO.

Menu ⇒ Setup Menu ⇒ Brightness/Color ⇒ ISO Sensitivity ⇒ Set to [AUTO].

- * The aperture cannot be adjusted in the aperture priority mode.
- * The aperture value will not be recorded in Exif data.

Olympus Micro Four-Thirds

Any shooting mode can be used, except for those in which the shutter speed is given priority (shutter priority mode). It is not recommended to give priority to the shutter speed (shutter priority mode).

* When using the program mode, aperture priority mode or manual mode, set the ISO sensitivity to AUTO.

Setup Menu ⇒ ISO Sensitivity ⇒ Set to [AUTO].

- * The aperture cannot be adjusted in the aperture priority mode.
- * The aperture value will not be recorded in Exif data.

Panasonic Micro Four-Thirds

The non-lens release function must be set to [ON].

Setup Menu ⇒ Release without Lens ⇒ Set to [ON].

Any shooting mode can be used, except for those giving priority to the shutter speed (shutter priority mode). It is not recommended to give priority to the shutter speed (shutter priority mode).

* When using the program mode, aperture priority mode or manual mode, set the ISO sensitivity to AUTO.

Setup Menu ⇒ ISO Sensitivity ⇒ Set to [AUTO].

- * The aperture cannot be adjusted in the aperture priority mode.
- * The aperture value will not be recorded in Exif data.

FUJIFILM X

It is necessary to set menu allowing [Release without lens] option to be activated.

Setup Menu ⇒ Release without lens ⇒ [Approval]

Shooting can be possible in aperture priority AE mode or manual (M) mode.

* Set ISO to [AUTO] MENU ⇒ ISO ⇒ [AUTO]

* Aperture value will not be registered in Exif data.

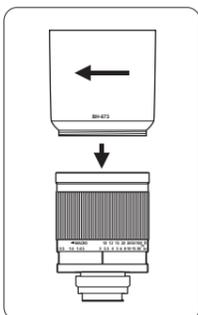
* In "Movie" mode there is no [Release without lens] option in menu list, but if in other mode [Release without lens] is approved, movie function will be activated.

5. Lens Hood

A lens hood is designed to prevent the flares and ghost in the images that may be caused by strong diagonal or side rays hitting the lens. We recommend using a lens hood to ensure high quality images and protect the lens.

How to attach the lens hood

Lens hood is a screw type hood. To securely install the hood turn it according to the arrow as shown in the picture below. To remove the hood, turn it in the opposite way.



6. Specifications

Focal distance	400mm
Maximum aperture	F8 (fixed)
Format	Full Frame (24mm x 36mm)
Coating	Multi-coated
Lens configuration	6 elements in 5 groups
Angle of view	6° 8'
Minimum focus distance	1.15 m
Maximum macro magnification	0.4x
Focus	Manual with front barrel extension
Diaphragm blades	No
Front filter size	67 mm
Rear filter size	30.5 mm
Overall length (excluding mount adapter)	76.8mm (at infinity position)
Maximum diameter	φ74 mm
Weight (excluding mount adapter)	355 g
Hood	BH-673

* Before attaching a filter to the front of the lens, be sure the filter will not get in contact with the reflective part (black circle) at the center of the front surface of the lens. Specifications and exterior appearance are subject to change without previous notice for the purpose of product improvement.

*  A display mark indicating inclusion in the China RoHS directive (Administrative Measure on the Control of Pollution Caused by Electronic Information Products).