

# 7.5 mm 1:3.5 UMC FISH-EYE MFT Instruction Manual

Thank you for purchasing SAMYANG lens. We believe that this new 7.5 mm 1:3.5 UMC FISH-EYE MFT lens will provide a special photographic experience.

The 7.5 mm 1:3.5 UMC FISH-EYE MFT lens has a compact size and provides easy portability owing to an optical design optimized for Micro Four-Thirds cameras, and is able to implement special images when taking photos of a subject that is close as well as far away.

## Features of 7.5 mm 1:3.5 UMC FISH-EYE MFT

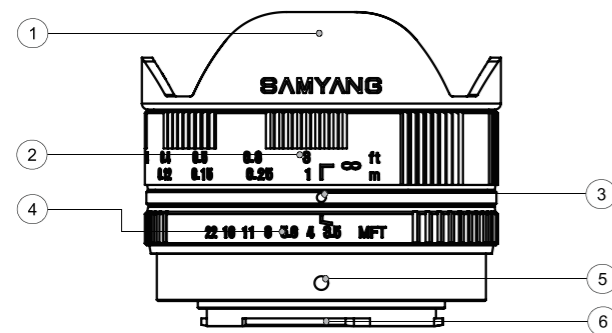
- Optical design for the image size for digital MFT only (1:2x)
- Corrects aberrations using three Extra-low Dispersion lens and one complex aspherical lens and, at a fully opened position, produces high resolution and high contrast at the center of the lens as well as around the periphery of the lens.
- Flower-shaped lens hood and multi-coating suppress flaring and ghosting.

The 7.5 mm 1:3.5 UMC FISH-EYE MFT lens for photography is designed with its own mount. You can easily take photos without installing an additional adapter, mounting the lens directly onto the camera. Read this instruction manual carefully and use it properly.  
\* Please read the 'Safety Precautions' at the back of this instruction manual prior to use.

● Read this instruction manual prior to use. ●

## 1. Component Names

[Figure]



- ① Hood      ② Focusing ring (distance scale)    ③ Distance scale point  
④ Aperture adjustment ring    ⑤ Lens attachment reference point    ⑥ Mount

## 2. Attaching and Detaching to/from Camera

The 7.5 mm 1:3.5 UMC FISH-EYE MFT lens mount is uniquely designed for Olympus (MFT) and Panasonic (MFT).

### [Attaching]

Hold the hood locking area of the lens gently, align the depth of field scale of the lens with the lens attachment reference point on the camera, push the lens into the camera and turn the lens gently until it makes a clicking sound and the distance scale is positioned at the upper part of the camera.

### [Detaching]

Hold the hood locking area of the lens gently, press the lens release button on the camera, turn the lens in the opposite direction of the attaching direction to detach the lens.

## 3. Focus Adjustment

You can set the focus for a subject by turning the focus adjustment ring when using the 7.5 mm 1:3.5 UMC FISH-EYE MFT lens, as it is a Manual Focus (MF) adjustment lens.

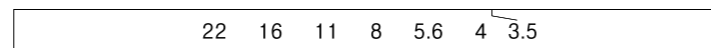
### [Olympus (MFT), Panasonic (MFT) Mount]

- To change the focus from a subject that is far away to a subject that is close  
Turn the focusing ring to the left (from  $\infty$  to 0.09) and focus on the clearest subject using the indication signal in the camera, or by checking the LCD.
- To change the focus from a subject that is close to a subject that is far away  
Turn the focusing ring to the right (from 0.09 to  $\infty$ ) and focus on the clearest subject using the indication signal in the camera, or by checking the LCD.

## 4. Brightness Control

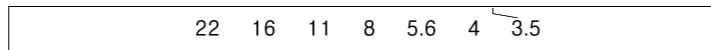
You can set the brightness you want by turning the aperture adjustment ring when using the 7.5 mm 1:3.5 UMC FISH-EYE MFT lens.

### [Aperture adjustment ring markings]

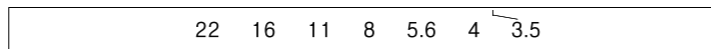


4 to 22 are 1 stop (1 EV) away from each other. Brightness can be set more precisely by using the stop setting in between (3.5 to 4 are 0.5 stop).

ex) 5.6 to 8 are 1 stop (1 EV) away from each other.



Set a brightness between 5.6 and 8, which is 0.5 of a stop (0.5 EV) between the two.

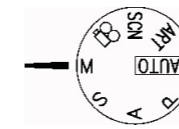


## 5. Camera Settings

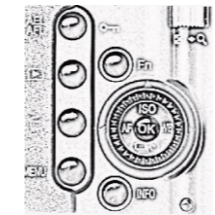
The aperture of the 7.5 mm 1:3.5 UMC FISH-EYE MFT lens is not geared to the camera.

If the brightness (F-number) is set to 8 or larger, you may not be able to focus the subject properly because it is difficult to see the subject through your camera viewfinder. Therefore, when this lens is attached to your camera, turn the aperture adjustment ring to fully open the aperture and check that the focus is correct; then readjust the aperture to set the depth of field and brightness you want. Then take your photograph.

- Set the camera mode dial to 'M'.



- Adjust the shutter speed by turning the dial to achieve the appropriate exposure for the brightness.



\* The shutter speed of some Olympus (MFT) and Panasonic (MFT) cameras changes automatically if the shooting mode dial is set to A and the brightness is set by turning the aperture adjustment ring. Therefore the shutter speed is not required to be set additionally as with the M mode.

## 6. About Photography

The 7.5 mm 1:3.5 UMC FISH-EYE MFT lens has a diagonal angle of view of 180 degrees and therefore one can take fun pictures when using it with one's personal expressions.

Its short focal length and 180 degree angle of view allows you to take wide-angle landscape pictures. Therefore, it is very useful for capturing landscapes.

## 7. Specifications

Focal length	7.5mm	
Max. aperture	F3.5	
Negative size	MFT(Micro Four-Thirds)	
Angle of View	MFT (1:2x)	180° (diagonal)
Focusing range	$\infty$ to 0.09m	
Filter connection	Does not provide	
Number of elements	9 elements	
Number of groups	7 group	
Size	48.3mm X $\varnothing$ 60mm	
Weight	197g	

## 8. Troubleshooting

Symptom	Cause	Action
A lens can't be attached to the camera.	The reference point on the lens is not aligned with the lens attachment reference point on the camera.	Align the reference point on the lens with the lens attachment reference point on the camera.
I cannot detach the lens from my camera.	Incorrect rotation direction for detaching the lens. If you turn the lens while holding the camera, it may cause damage to the lens.	Hold down the lens release button on the camera, gently turn the lens toward the lens attachment/detachment reference point marked on the camera, and then pull the lens away.
Dark image	Incorrect focus. Insufficient shutter speed or unsteady camera.	Turn the focusing ring while checking the subject with the indicator in the camera or checking visually to set the focus until the subject is clear, and then press the shutter. Steady the camera and take a photograph at a shutter speed of 1/125 secs.
Autofocus failure	Autofocus failed with a manual control focus lens.	Set the focus by turning the focusing ring.
Pictures too dark or too bright	Inappropriate exposure	Adjust the aperture size.
The periphery gets dark when using a manual camera or a digital camera for 1:1 image sensor.	As this lens is optimized for MFT size images, the periphery gets dark when using a digital camera for 1:1 size images.	Use a digital camera for MFT size images.
The camera flash is not geared to the camera.	The manual control lens may not be compatible, depending on the camera.	See the camera manual.
The camera finder indication or there is no display.	This lens doesn't have an electric contact signal, so there is no communication with the camera through electric signals.	This does not indicate that there is a problem with shooting.
Zoom failure	This lens is a single lens.	
The lens hood can't be detached.	This lens hood and the lens body are a fixed type, so the lens hood can't be detached.	
This lens can't be mounted on other cameras.	This lens is designed for a specific mount.	Purchase the required lens mount.
I want to attach your 2X or 1.4X converter lens.	Our converter is designed for the T (M42 screw) mount only. Therefore, it cannot be used with this lens.	Use each company's own mount converter. But autofocus is not available.

## 9. Safety Precautions

The following precautions are divided into two types according to the level of danger.

**WARNING**  
If this instruction is not followed, it may cause death or severe injury to the user.

### WARNING

Don't look at the sun through the lens. It may cause blindness.

Don't leave the lens within reach of babies, as it may cause injury to the baby if the lens falls or is dropped.

**CAUTION**  
If this instruction is not followed, it may cause death or severe injury to the user.

### CAUTION

Attach the lens to the camera correctly and ensure the lens is held in place properly, otherwise the lens may not be removable, or may become loose and cause an accident.

Don't attempt to modify or alter the lens. It may lead to failure of the camera. Modified or altered lenses may not be repaired.

The following pictograms are used in the below precautions.

Requires caution. Inside the pictogram it shows contents of precautions. (It shows outbreak of fire in the pictogram on the left.)

Shows prohibition. Inside the pictogram it shows contents of prohibition. (It shows prohibition of dismantling in the pictogram on the left.)

Shows instruction. Inside the pictogram it shows contents of instructions. (It shows instruction of precaution in the pictogram on the left.)

Don't put excessive pressure on the lens attached to the camera, otherwise it may cause damage to the lens or to the camera mount. Be sure to hold the lens when operating or moving.

Ensure that the camera operates properly by checking the lens beforehand or by test shooting for important events such as a wedding ceremony and an overseas trip.

Don't leave the lens in direct sunlight. It may cause a fire, depending on lenses that concentrate light on a close object.

Don't look at the sun directly through a camera with a lens attached. It may cause damage to one's eyesight.

**WARNING!**  
Don't get this product wet or expose it to a moist environment. It may cause a fire or electric shock.

**CAUTION!**

- Don't use this product or store it close to devices that generate heat, i.e., heaters, thermal regulators, stoves, stereo amplifiers.
- Don't leave the lens in conditions where drastic temperature changes can occur.
- Don't touch the surface of the lens with your hand, and avoid making contact with sharp objects.
- Avoid dropping the lens.
- Don't let the lens get wet, and avoid water splashing onto the lens.
- If there are foreign bodies on the lens, use a lens cleaning kit only.
- If the hood is cut, the surface of the lens may touch the floor directly and thus may be scratched or broken.