

● **7.5mm T3.8 CINE UMC FISH-EYE(MFT)**

Instruction Manual

Thank you for purchasing our lens.
We believe that this new 7.5mm T3.8 CINE UMC FISH-EYE Lens for Video recording will give you a special cinematographic experience.

With an optical design optimized for Mirrorless cameras, such as the MFT The 7.5mm T3.8 CINE UMC FISH-EYE lens is compact and very portable, producing both close-up and distant images.

Features of 7.5mm T3.8 CINE UMC FISH-EYE

1. Optical design specially designed for the Mirrorless MFT(1:2x) image format
2. It compensates aberrations using 3 low dispersion lenses and 1 aspherical lenses and, in the fully open position, produces high resolution and high contrast at the center of the lens as well as around the periphery.
3. The non-detachable petal type hood and UMC (Ultra Multi Coating) design suppresses flaring and ghost images.
4. With its stereoscopic projection optical design, the lens can express distortion smoothly, producing even images

The 7.5mm T3.8 CINE UMC FISH-EYE for video recording is designed with its own mount. You can mount the lens directly onto the camera without using an adapter.

- ※ Please read this instruction manual carefully and use the product accordingly.
- ※ Please read the 'Safety Precautions' at the back of this instruction manual prior to use.

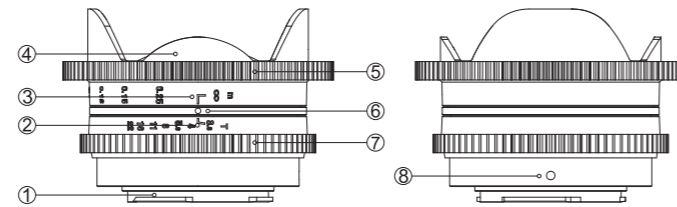
● Please read this instruction manual prior to use. ●

6. SPEC

Focal length	7.5 mm	
Aperture range	T3.8~22	
Image sensor size	MFT	
Angle of view	180°(diagonal)	
Focusing range	∞ to 0.09m	
Optical Construction	9 elements in 7 groups(1 Aspherical lens)	
Maximum Diameter	Φ 60mm	
Mount	MFT	
AOV	MFT	180°
	Module	0.8
Gear	A	5mm
	B	5mm
	C	19.8mm
	D	13.3mm
	Focus diameter	Φ 73.6mm
	Apererture diameter	Φ 64.0mm
Length	48.3mm	
Weight	195g	

1. Component Names

[Figure]



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|------------------|-----------------------------------|
| ① Mount | ② T number |
| ③ Distance scale | ④ Hood |
| ⑤ Focusing gear | ⑥ Reference point |
| ⑦ Aperture gear | ⑧ Lens attachment reference point |

2. Attaching to and Detaching from the Camera

The 7.5mm T3.8 CINE UMC FISH-EYE Lens mount is designed for MFT cameras.

[Attaching]

Gently hold the lens hood, align the camera mount attachment point with the camera locking reference point on the lens, push the lens into the camera and turn the lens gently until it makes a clicking sound, and the depth of field scale is positioned at the top of the camera.

[Detaching]

Gently hold the lens hood, press the lens release button on the camera, and turn the lens in the opposite direction to detach the lens.

3. Focus Adjustment

When using the 7.5mm T3.8 CINE UMC FISH-EYE lens, you can set the focus of a subject by turning the focusing gear, since it is an MF (Manual Focus) adjustment lens.

[MFT]

- ① To change the focus from a subject that is far away to a subject that is close turn the focusing gear clockwise (from ∞ to 0.09) and focus on the clearest subject, using the indicator signal on the camera or by checking on the LCD.
- ② To change the focus from a subject that is close to a subject that is far away turn the focusing gear counterclockwise (from 0.09 to ∞) and focus on the clearest subject, using the indicator signal on the camera or by checking on the LCD.

7. Troubleshooting

Symptom	Cause	Action
The lens cannot 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.
The lens cannot be detached from the camera.	Incorrect rotation direction for detaching the lens. If you turn the lens while holding the camera, it may cause damage to the lens.	Press the lens release button on the camera, and lightly turn the lens to the lens attaching/detaching reference points, in the direction as marked on the camera, and then pull the lens forward.
Dark image.	Incorrect focusing. Insufficient shutter speed, or camera shake.	Turn the focusing gear while checking the subject using the indicator in the camera or checking visually to set the focus until the subject is clear and distinct, and then press the shutter. After selecting a shutter speed of 1/125 sec or faster, steady the camera and take a photograph.
Automatic focusing does not work properly.	This is a manual focus lens and does not have an automatic function.	Turn the focusing ring to focus on a subject.
The pictures are too dark or too bright.	The exposure is incorrect.	Set the aperture adjustment ring of the lens and the camera shutter speed appropriately.
The edges of the picture periphery gets dark when using a manual camera or a digital camera with a 1:1 image sensor.	As this lens is optimized for MFT size Images, the edges of the picture look dark when using a digital camera with 1:1 sized images.	Use a camera with for MFT sized images.
The camera flash is not synchronized to the camera.	A manual control lens may not be compatible depending on the camera.	See the camera manual.
There is no camera finder indication or display.	This lens does not have electronic contacts, so there is no communication with the camera.	This does not indicate that there is a problem with shooting.
Zoom failure.	This lens is a short focus lens.	
The lens hood cannot be detached.	This lens hood is of the fixed type, so it cannot be detached.	
The lens cannot be mounted on other cameras.	This lens is designed a specific mount type.	Please buy the required camera to use this lens.
I want to attach your 2X or 1.4X converter lens.	Our converter is designed for the T (M42 SCREW) mount only, thus it cannot be used with this product.	Use each company's own mount converter. However, be aware that auto focusing will not be available.

8. Safety Precautions

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

<p>⚠ WARNING</p> <p>If this instruction is not followed, it may cause death or severe injury to the user.</p>	<p>⚠ CAUTION</p> <p>If this instruction is not followed, it may cause death or severe injury to the user.</p>
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The following pictograms are used in the below precautions:

<p>⚠ WARNING</p> <p>Don't look at the sun through the lens. It may cause blindness.</p>	<p>⚠ CAUTION</p> <p>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.</p>	<p>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.</p>	<p>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.</p>
<p>Don't leave the lens within reach of babies, as it may cause injury to the baby if the lens falls or is dropped.</p>	<p>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.</p>	<p>Don't leave the lens in direct sunlight. It may cause a fire, depending on lenses that concentrate light on a close object.</p>	<p>Don't look at the sun directly through a camera with a lens attached. It may cause damage to one's eyesight.</p>

WARNING!
Do not allow this product to get wet, or expose it to a moist environment. It may cause a fire or electric shock.

- CAUTION!**
- Do not use this product or store it close to devices that generate heat i.e., heaters, thermal regulators, stoves, stereo amplifiers.
 - Do not expose the lens to drastic temperature changes.
 - Do not touch the surface of the lens with your hand, or let it come into contact with sharp objects.
 - Do not drop the lens.
 - Do not soak the lens in water, 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 removed, the surface of the lens will be exposed and may become scratched, or break.

4. Brightness Control

Turn the aperture adjustment gear to set the desired brightness for the 7.5mm T3.8 CINE UMC FISH-EYE Lens
You can set T number from 3.8 to 22.
(The aperture is not positioned at any exact point, since it is adjustable continuously without steps.)

5. Camera settings

Some cameras require special setting when using this lens.

○ Micro Four Thirds Mount

- 1) Record a video in 4K, P, A or M.
- 2) Please note that while recording a video the shutter speed is limited to a minimum of 1/30.

(The procedures above are for the E-5. The settings for the camera or the menu may vary based on the camera model or due to a functional upgrade. Refer to the camera manual or contact the camera manufacturer for detailed information.)

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