

● **8mm T3.1 CINE UMC FISH-EYE II**
(Canon M, Fujifilm X, Samsung NX, Sony E)
Instruction Manual

Thank you for purchasing our lens.
We believe that this new 8mm T3.1 CINE UMC FISH-EYE II lens for video recording will give you a special photographic experience.

With an optical design optimized for mirrorless cameras, such as the Canon M, Fujifilm X, Samsung NX, Sony E and Sony E the 8mm T3.1 CINE UMC FISH-EYE II lens is compact and very portable, producing both close-up and distant images.

- Features of the 8mm T3.1 CINE UMC FISH-EYE II
- Optical design specially designed for the Mirrorless APS-C (1:1.5x) image format
 - It compensates aberrations using 3 low dispersion lenses and 2 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.
 - The non-detachable petal type hood and UMC (Ultra Multi Coating) design suppresses flaring and ghost images.
 - With its stereoscopic projection optical design, the lens can express distortion smoothly, producing even images

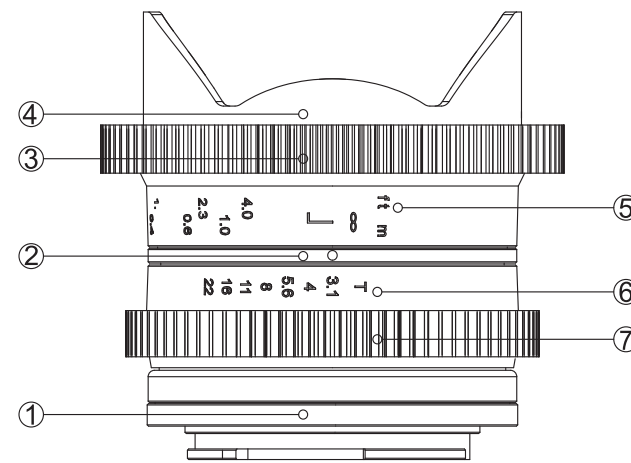
The 8mm T3.1 CINE UMC FISH-EYE II for video recording is designed with its own mount. You can mount the lens directly onto the camera without using an adapter.

- * 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.** ●

1. Component Names

[Figure]



- ① Mount
- ② Reference point
- ③ Focusing gear
- ④ Hood
- ⑤ Distance scale
- ⑥ T number
- ⑦ Aperture adjustment gear

2. Attaching to and Detaching from the Camera

The 8mm T3.1 CINE UMC FISH-EYE II lens mount is uniquely designed for the Canon M, Fujifilm X, Samsung NX and Sony E 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 8mm T3.1 CINE UMC FISH-EYE II lens, you can set the focus of a subject by turning the focusing gear, since it is an MF (Manual Focus) adjustment lens.

[Canon M, Fujifilm X, Samsung NX, Sony E Mount]

- To change the focus from a subject that is far away to a subject that is close turn the focusing gear clockwise (from ∞ to 0.3) and focus on the clearest subject, using the indicator signal on the camera or by checking on the LCD.
- To change the focus from a subject that is close to a subject that is far away turn the focusing gear counterclockwise (from 0.3 to ∞) and focus on the clearest subject, using the indicator signal on the camera or by checking on the LCD.

○ **Samsung NX Mount**

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

(The procedures above are for the NX-200. 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.)

○ **Sony E Mount**

- Record a video in A, S, P or M mode.
- Adjust the exposure by rotating the dial at the back of the camera.

(The procedures above are for the NEX-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.)

6. SPEC

Focal length	8 mm				
Aperture range	T3.1~22				
Image sensor size	APS-C				
Angle of view	180°(diagonal)				
Focusing range	∞ to 0.3 m				
Optical Construction	11 elements in 8 groups (2 Aspherical lens)				
Maximum Diameter	φ 73.6mm				
Mount	Canon M	Fujifilm X	Samsung NX	Sony E	
AOV	APS-C	180°	180°	180°	
Gear	Module	0.8			
	A	7.5mm			
	B	6.0mm			
	C	30.4mm			
	D	16.4mm	16.8mm	9mm	16.5mm
	Focus diameter	φ 73.6mm			
Aperuture diameter	φ 64.0mm				
Length	64mm	65mm	57mm	65mm	
Weight	265g	280g	255g	270g	

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 1/25 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 APS-C size images, the edges of the picture look dark when using a digital camera with 1:1 sized images.	Use a camera with for APS-C sized images.
The camera flash is not synchronized to the camera.	A manual control lens may not be compatible with 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.

4. Brightness Control

Turn the aperture adjustment gear to set the desired brightness for the 8mm T3.1 CINE UMC FISH-EYE II lens.
You can set T number from 3.1 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.

○ **Canon M Mount**

- Record a video in Av, Tv, P, CA or M mode.
- Please note that while recording a video the shutter speed is limited to a minimum of 1/30.

(The procedures above are for the Canon M. 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.)

○ **Fujifilm X Mount**

- Record a video in mode.

(The procedures above are for the X-Pro1. 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.)

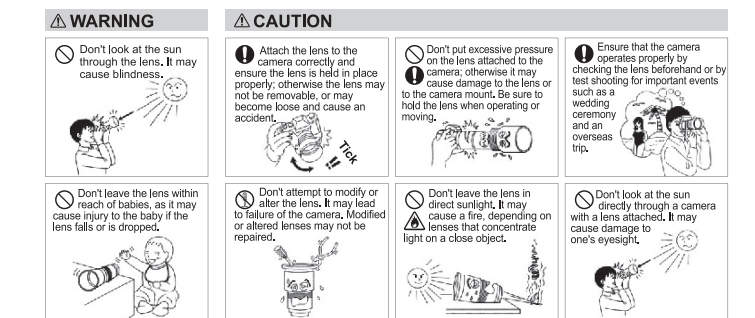
8. Safety Precautions

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.

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

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.)



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.