

● 8mm T3.8 UMC FISH-EYE CS II (for Cinema)

Instruction Manual

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

Advantages of the 8mm T3.8 UMC FISH-EYE CS II

1. Image size of digital APS-C (1:1.5x).
2. 180° wide angle of view for 8mm of focal distance for APS-C for the first time in a FISH-EYE lens.
3. When the hood is removed, you can get almost real images from the camera with 35mm of image format.
4. With its stereoscopic projection optical design, the lens can express distortion smoothly, thereby producing stable images.
5. It compensates aberrations using a complex aspherical lens and, in the fully open position, produces high resolution and high contrast at the center of the lens as well as around the periphery of the lens.
6. The detachable petal type hood and UMC (Ultra Multi Coating) design suppresses flaring and ghost images.
7. Robust durability with a high strength aluminum body.
8. Smooth control when a follow focus is attached since the lens is equipped with a gear for the focus and aperture.

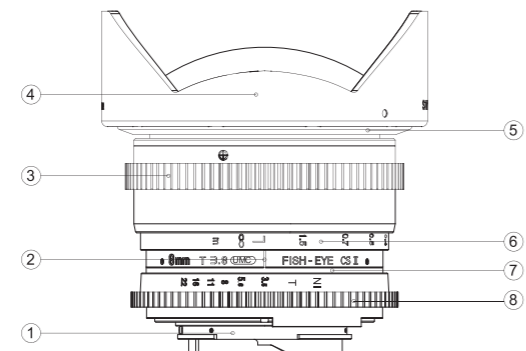
The 8mm T3.8 UMC FISH-EYE CS II for video recording is designed with its own mount. You can mount the lens directly onto the camera without using an adaptor.

- ※ 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 Distance scale point | ③ Focusing gear |
| ④ Hood | ⑤ Hood Mount | ⑥ Focus scaling ring |
| ⑦ Point ring | ⑧ Aperture adjustment gear | |

2. Attaching to and Detaching from the Camera

The 8mm T3.8 UMC FISH-EYE CS II lens mount is uniquely designed for Nikon, Sony α, Sony E, Canon, Four-Thirds, and Samsung NX cameras.

[Attaching]

Gently hold the lens hood, align the camera mount attachment point with the attachment reference point or line on the lens, push the lens into the camera and gently rotate the lens 90 degrees clockwise from the front view, until it makes a clicking sound.

[Detaching]

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

3. Focus Adjustment

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

[Nikon, Pentax Mount]

- ① To change the focus from a subject that is far away to a subject that is close, turn the focus gear counterclockwise (from ∞ to 0.3) and focus on the clearest subject by using the indicator signal on the camera or by checking visually.
- ② To change the focus from a subject that is close to a subject that is far away, turn the focus gear clockwise (from 0.3 to ∞) and focus on the clearest subject by using the indicator signal on the camera or by checking visually.

[Canon/Canon M/ Fujifilm X/ Sony α/ Sony E/ FT/MFT/NX Mount]

- 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 0.3) and focus on the clearest subject by checking visually.
- ② To change the focus from a subject that is close to a subject that is far away, turn the focusing gear counterclockwise (from 0.3 to ∞) and focus on the clearest subject by checking visually.

4. Brightness Control

Turn the aperture adjustment gear to set the desired brightness for the 8mm T3.8 UMC FISH-EYE CS II lens.

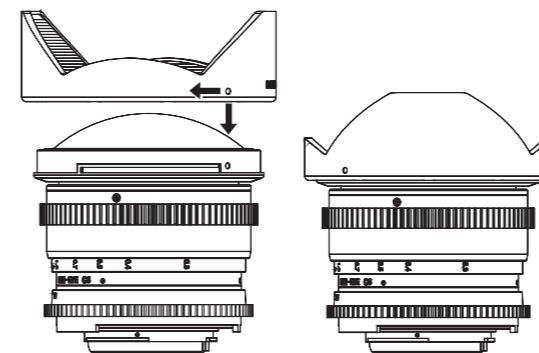
You can set T NO from 3.8 to 22.

(The aperture is not positioned at any exact point, since it is adjustable continuously without steps.)

5. Mounting a Hood

The bayonet-type hood guarantees speedy, efficient, safe and precise installation and facilitates shooting that is free from ghosting or flaring.

[Figure]



Align the attachment reference point on the hood with the hood reference point on the lens, push the hood onto the lens and turn the hood clockwise until it makes a clicking sound.

6. Camera settings

Some cameras require special settings when using this lens.

○ Canon Mount

- 1) Record a video in Av, Tv, P, CA, □ or M mode.
- 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 5D MARKII. 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.)

○ Nikon Mount

Please refer to the following and set the camera when necessary.

- 1) Record a video in M or A mode.
- 2) Adjust the exposure using the dial steps +5 to -5.

(The procedures above are for the D7000. 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.)

○ Pentax K mount

- 1) Record a video in □ mode.
- 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 K-30. 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 α Mount

- 1) Record a video in A, S, P or M mode.

(The procedures above are for the A580. 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.)

○ Canon M Mount

- 1) Record a video in Av, Tv, P, CA or M mode.
- 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 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

- 1) 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.)

○ Sony E Mount

- 1) Record a video in A, S, P or M mode.
- 2) 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.)

○ Samsung NX Mount

- 1) Record a video in A, M or  mode.
- 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 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.)

○ Four Thirds FT Mount

- 1) Record a video in , 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.)

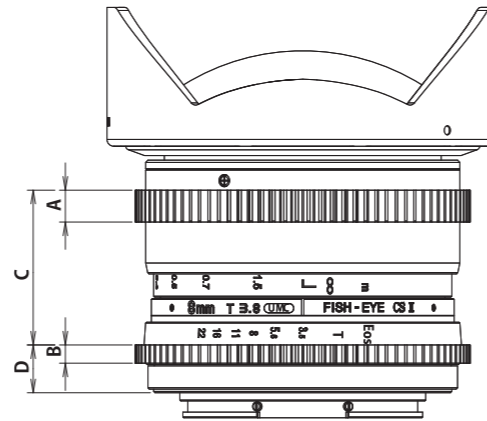
○ Micro Four Thirds Mount

- 1) Record a video in , 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.)

7. SPEC

SPECIFICATIONS	1:3.8 8mm UMC FISH-EYE CS II (DIAGONAL FISH-EYE)												
APERTURE RANGE(T-STOP)	T3.8 to T22												
OPTICAL CONSTRUCTION	10 ELEMENT IN 7 GROUPS (1 ASPHERICAL LENS)												
MINIMUM FOCUSING DISTANCE	0.3m(0.98ft)												
FILTER SIZE	NONE												
MAXIMUM DIAMETER	ø77.8mm												
MOUNT	NIKON	CANON EOS	PENTAX K	SONY α	CANON M	FUJIFILM X	SAMSUNG NX	SONY E	FOUR -THIRDS	MICRO FOUR -THIRDS			
ANGLE OF VIEW	APS-C	180°	167°	180°	180°	167°	180°	180°	180°	.	.		
	FOUR-THIRDS (4/3")	.	.	.	.	.	.	.	.	139.3°	139.3°	
LENGTH(LENS MOUNT TO FRONT)	72.6mm	75.1mm	73.6mm	74.6mm	101mm	101.4mm	93.6mm	101.1mm	80.4mm	99.9mm			
WEIGHT(CAP,HOOD DETACHABLE)	430g	455g	415g	435g	470g	530g	475g	465g	440g	450g			
GEAR	MODULE	0.8											
	A	7mm											
	B	4mm											
	C	34mm											
	D	8mm	10.5mm	9mm	10mm	36.4mm	36.8mm	29mm	36.5mm	15.8mm	35.3mm		
FOCUS DIAMETER	ø73.6mm												
APERTURE DIAMETER	ø70.4mm		ø73.2mm										



8. 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 ring 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 focusing 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 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 for 1:1 sized images.	Use a camera with APS-C 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 cannot be mounted on other cameras.	This lens is designed for 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.

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.

⚠ 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:
(It shows outbreak of fire in the pictogram on the left.)

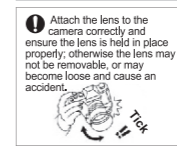
⚠ Requires caution. Inside the pictogram it shows contents of precautions.
⚠ Shows prohibition. Inside the pictogram it shows contents of prohibition. (It shows prohibition of dismantling in the pictogram on the left.)
ⓘ Shows instruction. Inside the pictogram it shows contents of instructions. (It shows instruction of precaution in the pictogram on the left.)

⚠ WARNING

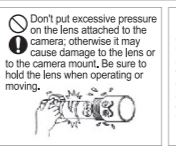
⚠ Don't look at the sun through the lens. It may cause blindness.


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

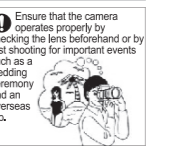

⚠ CAUTION

⚠ 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.


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


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


ⓘ 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 look at the sun directly through a camera with a lens attached. It may cause damage to one's eyesight.


⚠ 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.

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