• 8mm T3.8 FISH-EYE CS (for Video-DSLR Camera) Instruction Manual

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

This new lens is designed and manufactured using our patented complex hybrid aspherical lens manufacturing technology, coupled with state-of-the-art optical technology. We have succeeded in reducing optical aberrations and maintaining the performance of our lens using this technology.

Advantages of the 8mm T3.8 FISH-EYE CS Lens

- 1. Image size of digital APS-C (1:1.5x)
- 180° of diagonal angle of view for 8mm of focal distance for APS-C for the first time in a fish-eye lens.
- Corrects optical aberrations using a complex aspherical lens and produces a high resolution and high contrast at the center of the lens as well as at the periphery, with a fully open aperture.
- 4. Petal type hood and multi-coating design suppresses flaring and ghost images.
- 5. Robust durability with a high strength aluminum frame.
- Convenient control since the lens is equipped with a gear for the focus and aperture.

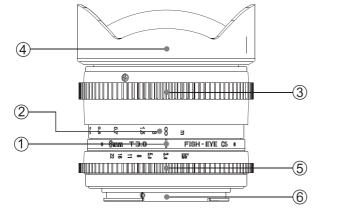
The 8mm T3.8 FISH-EYE CS lens for video recording is designed with its own mount. You can easily take photographs without installing an additional adaptor, by mounting the lens directly onto the camera.

Please read this instruction manual carefully and use it accordingly.

- ** 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]



- Depth of field scale
- 2 Focus scaling ring

3 Focusing gears

- 4 Hood
- (5) Aperture adjustment gears
- 6 Mount (camera locking area)

2. Attaching to and Detaching from Camera

The 8mm T3 8 FISH-EYE CS lens mount is uniquely designed for Canon, Nikon (Fujifilm) F, Pentax (Samsung GX) K, Sony (Minolta) α, Canon M, Sony E, Fujifilm X, Samsung NX, Four Thirds, and Micro Four Thirds cameras.

[Attaching]

Gently hold the lens hood, align the camera mount attachment point with the lens attachment reference point or line on the camera, 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 in the opposite direction of the attaching direction to detach the lens.

3. Focus Adjustment

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

[Nikon Mount]

- To change the focus from a subject that is far away to a subject that is nearby, turn the focus ring to the left (∞ to 0.3) and focus on the clearest subject by using the indication signal on the camera or by checking visually.
- 2) To change the focus from a subject that is nearby to a subject that is far away, turn the focus ring to the right (0.3 to ∞) and focus on the clearest subject by using the indication signal on the camera or by checking visually.

[Sonyα/ Sony E/ Canon/ Four Thirds/ NX Mounts]

- To change the focus from a subject that is far away to a subject that is nearby, turn the focus ring to the right (∞ to 0.3) and focus on the clearest subject by using the indication signal on the camera or by checking visually.
- 2) To change the focus from a subject that is nearby to a subject that is far away, turn the focus ring to the left (0.3 to ∞) and focus on the clearest subject by using the indication signal on the camera or by checking visually.

4. Brightness Control

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

You can set T NO 3.8 to 22.

5. Camera Settings

Some cameras require special settings when using this lens.

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

O Canon Mount

- 1) 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 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.)

O Nikon Mount

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

- 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.)

O Pentax K Mount

- Record a video in
 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 K-30. The settings for the camera or the menu may varybased on the camera model or due to a functional upgrade. Refer to the camera manual or contactthe 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.)

O Canon M Mount

- 1) 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.)

O 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.)

O 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.)

O Samsung NX Mount

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

O Four Thirds FT Mount

- 1) Record a video in Ω , 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.)

O Micro Four Thirds Mount

- 1) Record a video in Ω , 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.)

6. SPEC

SPECIFICATIONS			1:3.8 8mm (DIAGONAL FISH-EYE CS)									
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			Ø 75.0mm									
MOUNT			NIKON	CANON EOS	PENTAX K	SONY a	CANON M	FUJ ifi lm X	SAMSUNG NX	SONY E	FOUR -THIRDS	MICRO Four -Thirds
		APS-C	180°	167°	180°	180°	167°	180°	180°	180°		
ANGLE OF	· VIEW	FOUR-THIRDS (4/3")	•			•				•	139.3*	139.3°
LENGTH(LENS MOUNT TO FRONT)		74.8mm	77.3mm	75.8mm	76.8mm	103.2mm	103.6mm	95.8mm	103.3mm	82.6mm	102.1mm	
WEIGHT		396g	418g	418g	411g	445g	490g	438g	450g	433g	440g	
GEAR	MODULE		0.8									
	A		7mm									
		В		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									

7. Troubleshooting

Symptom	Cause	Action
lens cannot be attached the camera.	The reference point on the lens is not aligned with the lens attachment reference point on the camera.	Align the lens ring mount and the camera mount.
cannot detach the lens om 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.	Press the lens release button on the camera, and lightly turn the lens to the lens attachment and detachment reference points, in the correct direction as marked on the camera, and then pull the lens forward.
ark image	Incorrect focusing. Insufficient shutter speed or camera shake.	Turn the focus ring while checking the indication or checking an object visually, set the focus until it reaches a dear point, and then press the shutter. Steady the camera and take a photograph at a shutter speed of 1/125 seconds.
utofocus failure	Autofocus failed with a manual control focus lens.	Set the focus by turning the focusing ring.
ictures too dark or o bright	Inappropriate exposure	Adjust the aperture size.
he periphery gets dark hen using a manual amera or a digital camera or a 1:1 image sensor.	As this lens is optimized for APS-C size images, the periphery gets dark when using a digital camera for 1:1 sized images.	Use a digital camera for APS-C sized images.
he camera flash is not eared to the camera.	The manual control lens may not be compatible, depending on the camera.	See the camera manual.
here is no camera finder dication or display.	This lens does not 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.
oom failure	This lens is a single lens.	
he lens hood cannot be etached.	This lens hood and the lens body are a fixed type, so the lens hood cannot be detached.	
his lens cannot be ounted on other cameras.	This lens is designed for a specific mount.	Purchase the required lens mount.
ou want to attach our 2X r 1.4X converter lens.	Our converter is designed for the T (M42 screw) mount only. Therefore it cannot be used with the 8mm T3.8 FISH-EYE CS lens.	Use each company's own mount converter. However, be aware that autofocus will not be available.

8. Safety Precautions

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

If this instruction is not

⚠ CAUTION

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



On't leave the lens within reach of babies, as it may cause injury to the baby if the



△ CAUTION



alter the lens. It may lead o failure of the camera, Modified or altered lenses may not be



On'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

> Don't leave the lens in direct sunlight. It may cause a fire, depending on



Ensure that the camera operates properly by checking the lens beforehand or by and an

directly through a camera with a lens attached. It may cause damage to one's eyesight.

WARNING!

Do not wet this product 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 or stereo amplifiers.
- Do not leave the lens in conditions where drastic temperature changes can
- Do not touch the surface of the lens by hand, and avoid making contact with sharp objects.
- Avoid dropping the lens.
- Do not 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 off, the surface of the lens may touch the floor directly and get scratched or broken.

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