• 8mm 1:2.8 UMC FISH-EYE (SAMSUNG NX, SONY E, FUJIFILM X)

Instruction Manual

Thank you for purchasing our lens.

We believe that this new 8mm 1:2.8 UMC FISH-EYE (Samsung NX, Sony E, and Fujifilm X) lens will give you a special photographic experience.

With an optical design optimized for mirrorless cameras, such as the Samsung NX, Sony NEX, and Fujifilm X, the 8mm 1:2.8 UMC FISH-EYE lens is compact and very portable, producing both close-up and distant images.

Features of the 8mm 1:2.8 UMC FISH-EYE lens

- 1. Optical design specially designed for the Mirrorless APS-C (1:1.5x) image format 2. It compensates aberrations using 2 low dispersion lenses and 1 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.

 3. The non-detachable petal type hood and UMC (Ultra Multi Coating) design
- suppresses flaring and ghost images.

 4. With its stereoscopic projective optical design , the lens can express distortion
- smoothly, producing even images
- The 8mm 1:2.8 UMC FISH-EYE lens (suitable for the Samsung NX, Sony E, Fujifilm X) 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] 22 16 11 8 5.8 4 2.8 -

2. Attaching to and Detaching from the Camera

The 8mm 1:2.8 UMC FISH-EYE lens mount is uniquely designed for the Samsung NX, Sony E, and Fujifilm X 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

[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

6. About Photography

produce really interesting photos.

When using the 8mm 1:2.8 UMC FISH-EYE lens, you can set the focus of a subject by turning the focusing ring, since it is an MF (Manual Focus) adjustment lens.

[Samsung NX, Sony E, Fujifilm X Mount]

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

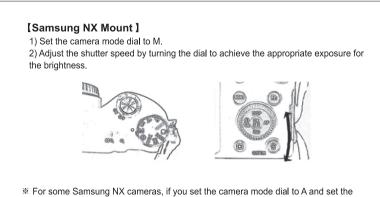
Thanks to its stereoscopic projective design, the 8mm 1:2.8 UMC FISH-EYE lens can encompass 180° of view distortionsmoothly. If you use this feature creatively, you can

4. Brightness Control The 8mm 1:2.8 UMC FISH-EYE lens mount is uniquely designed for the Samsung NX, Sony E, and Fujifilm X cameras. [Aperture adjustment ring mark] 22 16 11 8 5.6 4 2.8 Each number between 4~22 is 1 stop (1 EV) away from the next number. Brightness can be set more precisely by using the stop setting in between, such as the 0.5 stop between 2.8 and 4. e.g. 5.6 and 8 are 1 stop (1 EV) away from each other. 22 16 11 8 5.6 4 2.8 Set a brightness between 5.6 and 8, which is 0.5 of a stop (0.5 EV) between the two 22 16 11 8 5.6 4 2.8

5. Camera settings

The aperture of the 8mm 1:2.8 UMC FISH-EYE lens (for the Samsung NX, Sony E,

Fujifilm X) is not geared to the camera. If the brightness value is set to above 8, the user may have difficulty in setting the correct focus when viewing a subject through the camera viewfinder, therefore focus on the subject by fully opening the aperture when attaching this lens to the camera, and then set the depth of focus and brightness you want to express prior to shooting.



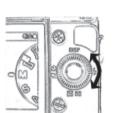
※ For some Samsung NX cameras, if you set the camera mode dial to A and set the brightness by turning the aperture adjustment ring on the lens, the camera automatically changes the shutter speed, so you don't have to adjust the shutter speed as well, which is required in M mode.

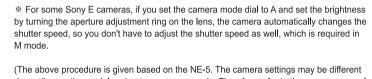
(The above procedure is given based on the NX200. The camera settings may be different depending on the model or due to a menu upgrade. Therefore refer to the camera manual or contact the camera manufacturer for more detailed information.)

[Sony E Mount]

1) Set the camera mode dial to M.

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





① Hood ② Focusing ring (range finder) ③ Distance scale point

depending on the model or due to a menu upgrade. Therefore refer to the camera manual or contact the camera manufacturer for more detailed information.)

 $\textcircled{\$} \ \text{Aperture adjustment ring} \quad \textcircled{\$} \ \text{Mount (suitable for the Samsung NX, Sony E, Fujifilm X)}$

[Fujifilm X Mount] 1) Turn the camera power on, and set the focus mode selector on the camera to M. Focusing will be easier with partial expansion using the command dial.



2) Press the MENU/OK button, and select ON for 'Shooting without lens' in the shooting When the shooting mode is for video recording, you need to change the mode to still image.



(The above procedure is given based on the X-Pro1. The camera settings may be different depending on the model or due to a menu upgrade. Therefore refer to the camera manual or contact the camera manufacturer for more detailed information.)

7. SPEC		
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Focal length	8mm	
Aperture range	F2.8 to F22	
Negative size	23.3 X 15.5mm	
Angular field	APS-C (1:1.5x)	180° (diagonal)
Focusing range	∞ to 0.3m	
Filter connection	NONE	
Number of elements	10 elements	
Number of groups	8 group	
Size	Samsung NX	48.3mm X ∅60mm
	Sony E	55.8mm X ∅60mm
	Fujifilm X	56.1mm X ∅60mm
Weight	Samsung NX	208g
	Sony E	217g
	Fujifilm X	260g

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 len 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 white 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 1/1/25 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 ler 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 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 thi 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 converte However, be aware that auto focusing will not be available.



• Do not touch the surface of the lens with your hand, or let it come into contact with sharp 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.

scratched, or break.

• If the hood is removed, the surface of the lens will be exposed and may become

