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LAOWA FFII 8-15mm F2.8
FISHEYE ZOOM

使用手册
Instruction Manual

LAOWA 老蛙

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Please note we reserve the right to change our product's
design and specifications at any time without notice and
to the final interpretation of the *Instruction Manual*.



Preface

Thank you very much for purchasing LAOWA FF II 8-15mm F2.8 FISHEYE ZOOM ultra wide angle lens. It is a full-frame lens with an ultra-wide angle of view from 180° to 175°. It can achieve a circular fisheye effect at the 8mm end of the lens, which opens up photography vision and gives users more discovery and imagination.



⚠ *Read this operation manual carefully to familiarize yourself with its contents and ensure that you can operate the product properly. Keep the Instruction Manual in a safe place where it can easily be referenced whenever required. If you are still unable to solve the problem by reading the manual, please contact our after-sales service for further technical support.*

Features

- The lens covers a field of view from 180° to 175°, which opens up photography vision and gives you more discovery and imagination.
- The 8mm end of the lens can achieve a circular fisheye effect, and after zooming, it presents an ultra-wide-angle fisheye perspective.
- The lens is compact and weighs 650g. It is available to attach on a mirrorless camera or a lightweight movie camera to get a relaxed shooting process and to make photography not be a burden of travel.
- While achieving the ultimate size, the lens uses 1 high refractive index element and 4 extra-low dispersion elements to ensure image quality, which minimizes dispersion and improves overall image quality.

Precautions

■ Safety Precautions

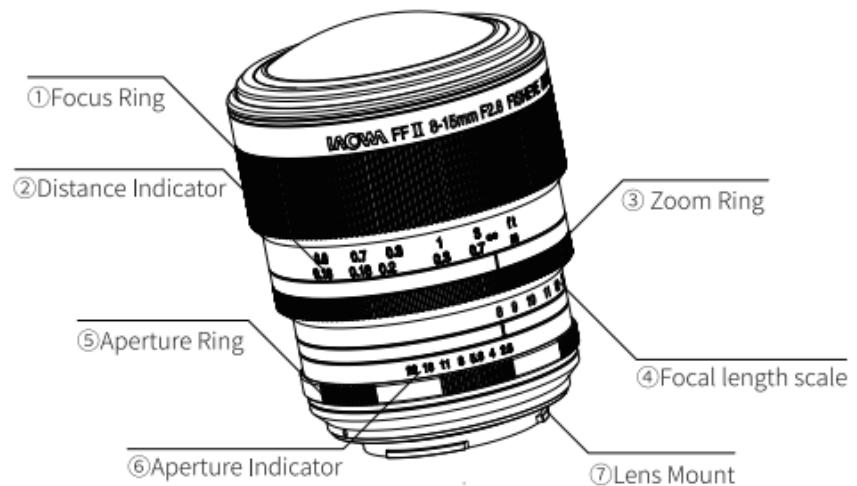
- Do not disassemble, modify the lens by yourself. Do not touch the internal parts that become exposed as the result of external force.
- Do not leave the lens where it will be exposed to high temperatures, such as in direct sunlight and an enclosed vehicle. Excessive heat may deform the glass elements and other parts of the lens.
- Whether it is attached to the camera or not, do not leave the lens under the sun without the lens cap attached. This is to prevent the lens from concentrating the sun's rays, which could cause a fire.
- Do not place the sun in the frame center when shooting with backlight. Doing so might cause a fire or harm your eyes.
- The camera's built-in flash will cause barrel shadow if used with this lens. For best results, please use an external flash unit.

This lens is a mirrorless full-frame system lens with native mirrorless mount and PL mount.

Nomenclature

Maintenance Precautions

- Do not touch the surface of the lens directly. Brush off any dust with a blower. Wipe the surface with a cleaning cloth or a lens tissue.
- Try a circular motion from the center outward to remove oil, fingerprints and grime on the lens surface.
- If your lens is brought directly from a cold place to a warm place, condensation may appear on the lens. To avoid this, be sure to take some action to protect the lens.



Instructions

■ To attach the Lens

Remove the rear lens cap. Align the mounting index ⑦ on the lens bayonet with the mounting index on the camera and place the lens on the camera mount. Then rotate the lens clockwise until it locks. For PL mount, you need to lock the bayonet locking ring. Do not use excessive force during installation to avoid damage to the bayonet. After attaching the lens, please try to rotate the lens to make sure it is mounted onto the camera properly.

■ To remove the lens

Turn the camera off. While pressing and holding the lens release button on the camera, rotate the lens counterclockwise in the opposite direction. Then, detach the lens. For PL mount, release the bayonet locking ring counterclockwise and then pull the lens out of the seat ring.

Since this lens does not have a CPU and data information is not available. Therefore, please turn on the "No lens release shutter" function in the camera. No setting is required for movie cameras.

■ Focusing

This is a fully manual lens. Rotate the focusing ring ① slowly to get focus.

Turn the focus ring slowly and gently to prevent the focus mechanism from damage.

The distance scale ② are for instructional purposes. Actual focus and DOF may slightly differ from those scale indications.

To get precise focus, it is recommended to focus wide open when the camera position is fixed. Get focus first, then set the desired aperture by turning the aperture ring.

Turn on the focus peaking on the camera to help focusing. (Note that the function depends on camera models.)

Specifications

Specifications	
Name	FFII 8-15mm F2.8 FISHEYE ZOOM
Format	Full Frame
Focal Length	8-15mm
Aperture Range	F2.8-F22/T2.9-T22
Angle of View (Horizontal FOV / Vertical FOV / Diagonal FOV)	180°-142°/180°-91°/180°-175°
Lens Structure	13 elements in 9 groups (high refractive index element*1, ED element*4)
Aperture Blades	9
Focus Throw	70°
Zoom Throw	75°
Aperture Throw	42°
Distance Scale	Metric & Imperial (Dual Scale)
Min. focusing Distance	16cm
Max. Magnification	0.23X
Focus Type	Manual(MF)
Filter Thread	N/A
Dimensions	RF: Ø76.4*94.5mm PL: Ø84.8*62.5mm
Weight	RF:650g PL:590g (without front and rear cap)
Mounts	E, Z, L, RF, PL

Zooming

This lens can be manually rotated by the zoom ring ③ to change focal length and diagonal angle of view can approximately range from 180° to 175°.

Setting the Aperture

Aperture is adjusted on the lens and the aperture ring ⑤ is turned to select the corresponding aperture according to the shooting environment and the desired depth of field.

Since the lens has no CPU data, the aperture value cannot be recorded.

Since the aperture is manually adjusted, shutter priority mode cannot be used well. However, aperture priority mode can be used (metering accuracy depends on the camera model.)