

LAOWA D-Dreamer 15mm  
F2 ZERO-D FE LENS

INSTRUCTION  
M A N U A L

 Venus Optics-Laowa.com



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ANHUI CHANGGENG OPTICS TECHNOLOGY CO.,LTD.

Email : [sales@laowalens.com](mailto:sales@laowalens.com)

TEL : 400-066-1316

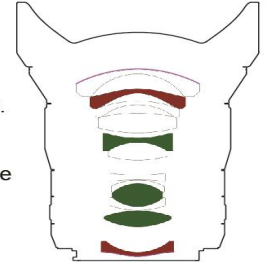
FAX : (+86 ) 551- 68100252

URL : [www.laowalens.com](http://www.laowalens.com)

**LAOWA** 老蛙



Thank you for purchasing LAOWA D-Dreamer 15mm F2 ZERO-D FE Lens. Please read the instructions carefully before use to familiarize yourself with the lens thoroughly.



## FEATURES

- 1) LAOWA D-Dreamer 15mm F2 ZERO-D FE Lens is a mirrorless interchangeable lens designed for Sony Mirrorless Cameras. Special double-sided aspherical glass elements are incorporated into the extremely compact lens which can provide remarkable optical performance and close-to-zero distortion.
- 2) Three pieces of ED (Extra-low Dispersion) glass elements are included to achieve apochromatic effect.
- 3) All-metal mechanical construction ensures lens' high assembly precision and long-lasting durability.
- 4) The Frog Eye Water-repellent Coating, known as 'FEC', applied to the first glass of the lens front element surface contributes to protecting against water droplets, smudges and oil. Multi-layer anti-reflection (AR) Coating applied to every lens element is designed to eliminate ghosting and flare as possible.

## SPECIFICATIONS

Model	D-Dreamer 15mm F2 ZERO-D FE
Focal Length	15mm
Aperture Range	F2.0—F22
Angle of View	110°
Lens Construction (Elements/Groups)	12 elements/9 groups ( 2 pieces of Aspherical Glass & 3 pieces of ED Glass Included )
Aperture Blades	7
Minimum Shooting Distance	15cm
Maximum Magnification	0.25X
Focusing Mode	MF
Filter Thread	Φ72mm
Dimension (Diameter / Length) (Lens hood excluded)	Φ77.2×82mm
Weight (Lens hood excluded)	500g

## INSTRUCTIONS

### 1/ Mounting and Detaching the Lens

Select the corresponding Sony mirrorless cameras as LAOWA 15mm F2.0 ZERO-D is a Sony E-mount only lens. Align the mount index between the lens and camera for mounting and rotate the lens into the camera until you hear a click that tells you the lens is locked into place.

### 2/ Focusing

Turn the focus ring gently when focusing as it is a manual focus only lens to protect the focusing system from damage.

### 3/ Direction for Use of Nodal Point

For stitching a panorama or making panoramic photography, set the entrance pupil as a central point to rotate the camera, which contributes to eliminating the phenomenon of perspective distortion and displacement of the subjects in the foreground and background of a image as possible so as to create a perfect panorama.

### 4/ Aperture Setting and Metering Mode

In aperture priority mode, the camera automatically selects a shutter speed to match a chosen aperture which will result in a proper exposure while the aperture data cannot show up though.

## PRECAUTIONS

### ⚠ Safety Precautions

- Do not look at the sun or a bright light source through the lens or camera in case that it may cause damage to your eyesight or CCD/CMOS of the camera.
- Whether the lens is attached to the camera or not, do not leave the lens under the sun without the lens cap attached to prevent the lens from abrasion or concentrating the sun's ray, which may even cause a fire.

### ⚠ Handling Precautions

- If the lens is taken from a cold environment into a warm one, condensation may develop on the lens surface and its internal parts. To prevent the condensation in this case, keep the lens in a dry environment.
- Do not leave the lens in excessive heat in direct sunlight. High temperature can cause the lens to deformation or malfunction.

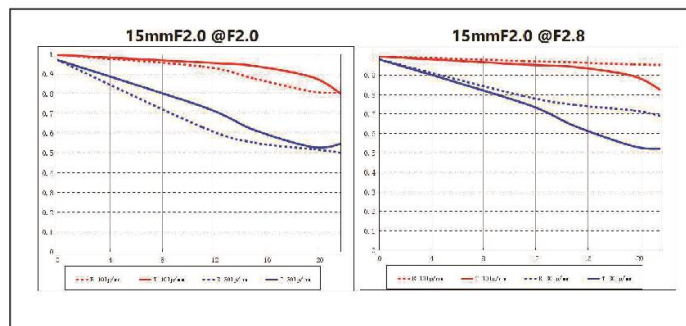
## PERFORMANCE DESIGN

### Zero-D

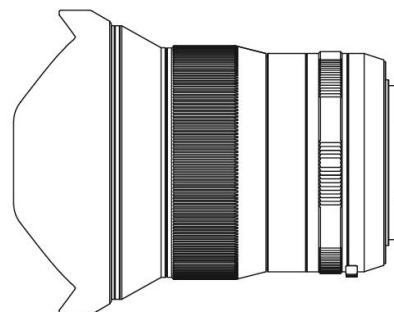
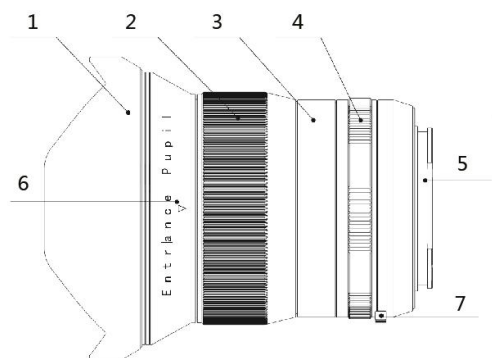
- Extra-low Dispersion Glass
- Glass Aspherical
- Frog Eye Coating(FEC)



## MTF CHART



## 各部件名称/NOMENCLATURE



- |  |                        |
|--|------------------------|
| 1. 遮光罩 Lens Hood                                 | 2. 对焦手轮 Focus Ring     |
| 3. 景深标线环 Depth of Field Scale                    | 4. 光圈手轮 Aperture Ring  |
| 5. 索尼FE卡口 Sony FE Mount                          | 6. 镜头入瞳 Entrance Pupil |
| 7. 光圈有级无级切换开关 Clicked / Stepless Aperture Switch |                        |