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LAOWA 15mm T2.1  
Zero-D Cine

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 for purchasing LAOWA 15mm T2.1 Zero-D Cine Lens. Please read the instructions carefully before use to familiarize yourself with the lens thoroughly.



*⚠ In order to ensure the safety of operation, please read the User's Manual and Precautions carefully before using this product, and put the Manual in a place that is easily accessible when needed. If you encounter any problem that cannot be solved, please call after-sales for technical support.*

## FEATURES

- LAOWA 15mm T2.1 Zero-D Cine 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.
- Three pieces of ED (Extra-low Dispersion) glass elements are included to achieve apochromatic effect.
- All-metal mechanical construction ensures lens' high assembly precision and long-lasting durability.
- 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.

## PRECAUTIONS

### ⚠ Safety Precautions

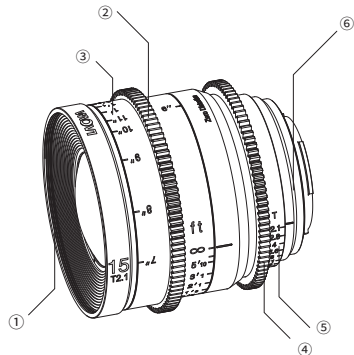
- Do not disassemble or modify the lens by yourself. If it is damaged by external force, do not touch any exposed part of the lens.
- Don't expose the lens to excessive heat such as direct sunshine or a parked car as this may deform the lens elements and other mechanisms.
- Keep the lens cap attached or place the lens in a place where there is no sunlight when storing. The light reflected by the convex lens gathering on a nearby object can 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.
- When shooting with the camera's built-in flash, the lens itself may block light and cause vignetting, an external flash is recommended in such a case.

## PRECAUTIONS

### ■ Maintenance Precautions

- Avoid touching the lens surface. Remove the dust on the lens surface with a lens cloth or a blower. Keep the lens cap attached.
- Using a circular motion with a lens tissue or cleaning cloth, gently remove oil, fingerprints, and grime from the lens surface, working from the center outward.
- If the lens is taken from a cold environment into a warm one, condensation may develop on the lens surface and internal parts. To prevent condensation in this case, please take measures to protect against moisture before moving the lens.

## NOMENCLATURE



- ① : Filter thread ② : Focusing ring ③ : Distance scale  
④ : Aperture ring ⑤ : Aperture scale ⑥ : Lens mounting index



## INSTRUCTIONS

### ■ 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 mounting and rotate the lens into the camera until you hear a click that tells you the lens is locked into place.

### ■ Focusing

This is a manual focus only lens. Please turn the focus ring gently to prevent the focus mechanism from damage



## SPECIFICATIONS

| LAOWA 15mm T2.1 Zero-D Cine |                             |
|-----------------------------|-----------------------------|
| Model                       | LAOWA 15mm T2.1 Zero-D Cine |
| Format                      | Full Frame                  |
| Focal Length                | 15mm                        |
| T-stop                      | 2.1-22                      |
| Lens Structure              | 12 elements in 9 groups     |
| Aperture Blades             | 5                           |
| Min. Focusing Distance      | 15cm                        |
| Image Coverage              | ø43.3mm                     |
| Maximum angle of view       | 110°                        |
| Front Diameter              | ø80mm                       |
| Dimensions                  | ø84.8mm*91.2mm              |
| Weight                      | 540g                        |
| Mounts                      | E                           |

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