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LAOWA FF S 15mm F4.5
W-Dreamer

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 FF S 15mm F4.5 W-Dreamer Lens. 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

- This lens is an ultra-wide-angle shift lens designed for full-frame SLR cameras. When you apply the shift function, the maximum angle of view can reach 129.1°, covering $\Phi 65\text{mm}$ image circle. The maximum angle of view is 110° without shift. The lens features special optical design, delivering excellent edge-to-edge sharpness and almost zero distortion. This 15mm full frame shift lens offers more professional architecture photography.
- The maximum shift amount of $\pm 11\text{mm}$.
It would be difficult to capture the whole building in a short distance with a typical lens. The ultra-wide 15mm field of view allows you to capture it with ease. And the $\pm 11\text{mm}$ shift function also corrects any perspective distortion caused by large pitch angle or wide focal length.

Features

- Lens structure
The all-metal structure ensures the lens' assembly accuracy and reliability. The $\pm 11\text{mm}$ shifting function with 360° rotation with clicks stops for each 15° step on the shift mechanisms gives you lots of flexibility. The lens is constructed by 17 optical elements in 11 groups with 2 aspherical lenses and 3 ED lenses to deliver edge-to-edge sharpness, excellent chromatic dispersion control and, distortion control.
- Lens holder, square filter holder
Professional lens support can use for easier photos stitching (Sold Separately). Utilizing the shift mechanism, users can create panoramas by stitching two image shots with different shifted positions together. There would be no converging lines in the picture since the entrance pupil didn't move.
Magnetic filter holder that specially designed for this lens works with 100mm and 150mm square filters (Sold Separately).

Precautions

△ Safety Precautions

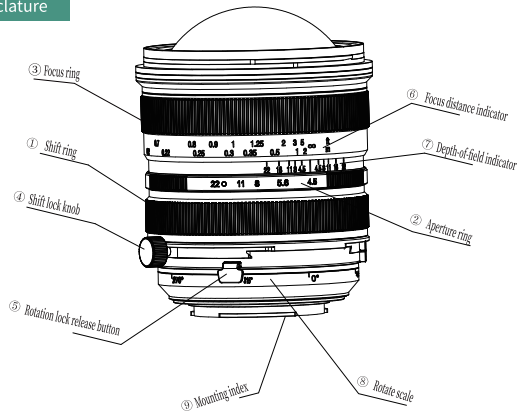
- Do not disassemble, modify the lens by yourself. Do not touch the internal parts that become exposed as the result of external force.
- Do not leave the lens where it will be exposed to high temperatures, such as in direct sunlight and an enclosed vehicle. Excessive heat may deform the glass elements 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.

Precautions

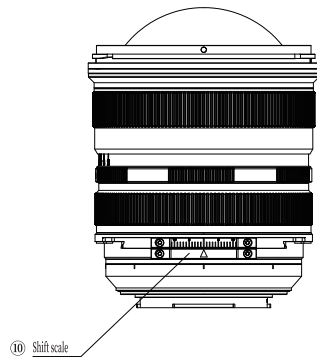
■ Maintenance Precautions

- 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.

Nomenclature



Nomenclature



Instructions

■ To attach the Lens

Remove the rear lens cap. Align the mounting index⑨ on the lens bayonet with the mounting index on the camera, and place the lens on the camera mount, then rotate the lens according to the proper direction of the mount type until it locks. Do not use excessive force during installation to avoid damage to the bayonet.

■ To remove the lens

Turn the camera off. While pressing and holding the lens release button on the camera, rotate the lens in the reverse direction for attaching the lens until it stops, then detach the lens.

■ Focusing

This is a fully manual lens. Rotate the focusing ring③ slowly to get focus. Turn the focus ring slowly and gently to prevent the focus mechanism from damage. The distance scale⑥ and depth of field scale⑦ are for instructional purposes. Actual focus and DOF may slightly differ from those scale indications.

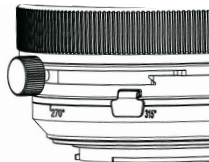
■ Shift

The top of the building tapers away when you photograph a subject such as a building with a normal lens. But by placing the camera parallel to the building and shifting the lens, you can correct this tapering effect.

When shooting a subject with a reflective surface, you can move the camera to a position where the camera does not appear in the shot. Then you can keep the camera out of the frame without having to change the composition by shifting the lens.

■ Using shift

1. Loosen the shift lock knob④
2. Turn the shift ring① to adjust the amount of shift.
3. Turn the shift lock knob to lock the amount of shift for the shot.

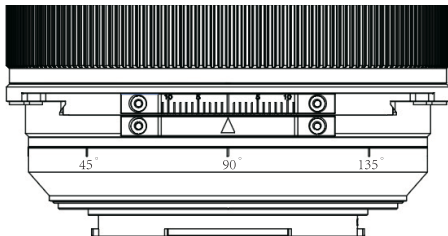


■ Rotation

The rotation function enables you to change the direction of shift by rotating the shift mechanism.

With the lens mounted on the camera, push the rotation lock release button⑤ and then turn the shift mechanism.

The mechanism can be rotated through $\pm 180^\circ$. The lens clicks every 15° .



■ Setting the Aperture

Aperture is set through the aperture ring on the lens. According to the shooting situation and desired depth of field, rotate the aperture ring② on the lens to the corresponding aperture.

Since the lens has no CPU data, the aperture value can't be recorded.

Aperture-priority is a better option than Shutter-priority for the lens because of its manual aperture. (Note that metering precision depends on the camera models.)

To meet different needs for various applications, the 15mm F4.5 W-Dreamer is now divided into a 5-bladed version and a 14-bladed version. You can differentiate them by the color of the decoration ring on the lens body. Blue is the 5-bladed version, and Red is the 14-bladed version.



The number of the aperture blade influences the shape and size of sunstars. On the left is the effect of the 14-blade version of the sunstars. The right is the effect of the 5-bladed version.



Specifications

FF S 15mm F4.5 W-Dreamer	
Format	Full Frame
Focal Distance	15mm
Maximum Angle of View	129.1°
Maximum Image Circle Diameter	Φ65mm
Max. Aperture	4.5
Min. Aperture	22
Lens Structure	17 elements/ 11 groups
Aperture Blades	5/14
Min. Shooting Distance	20cm
Focusing	MF
Dimensions	Φ79mm/103mm
Weight	600g
Mounts	Canon EF, RF/Nikon F,Z/Sony FE, Pentax PK, L

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