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FF 14mm F4.0 C&D - Dreamer
ZERO-D

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 14mm F4.0 C&D - 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.

Key Features

- Laowa FF 14mm F4.0 C&D - Dreamer is an ultra wide angle lens designed for full frame SLR cameras. It features close-to-zero distortion (Zero-D) with a 115°angle of view. It is extremely compact and lightweight. This ultra-wide angle lens allows photographers to have one-of-a-kind and inspiring pictures in an ultra-wide perspective.
- The 14mm F4.0 C&D - Dreamer Lens has an unimaginable 115°angle of view, giving you more to discover and imagine.
- This lens incorporates 2 pieces of aspherical lenses and 2 ED glass elements to deliver corner-to-corner sharpness and to suppress chromatic aberrations and distortion to the minimum. And it is optimized for corner sharpness.

Key Features

- It features a close-to-zero distortion to keep straight lines straight. This also saves photographers a lot time in post-processing.
- This all-metal lens also has a distance scale adjusting handwheel for accurate focusing of cameras with different flange distances.
- Equipped with a CPU chip and motor (Auto aperture), the EF version allows you to control the aperture via the camera body and all the lens data can be recorded by the CPU on EXIF.
- The 5-bladed aperture creates perfect 10-point sunstars rendering.

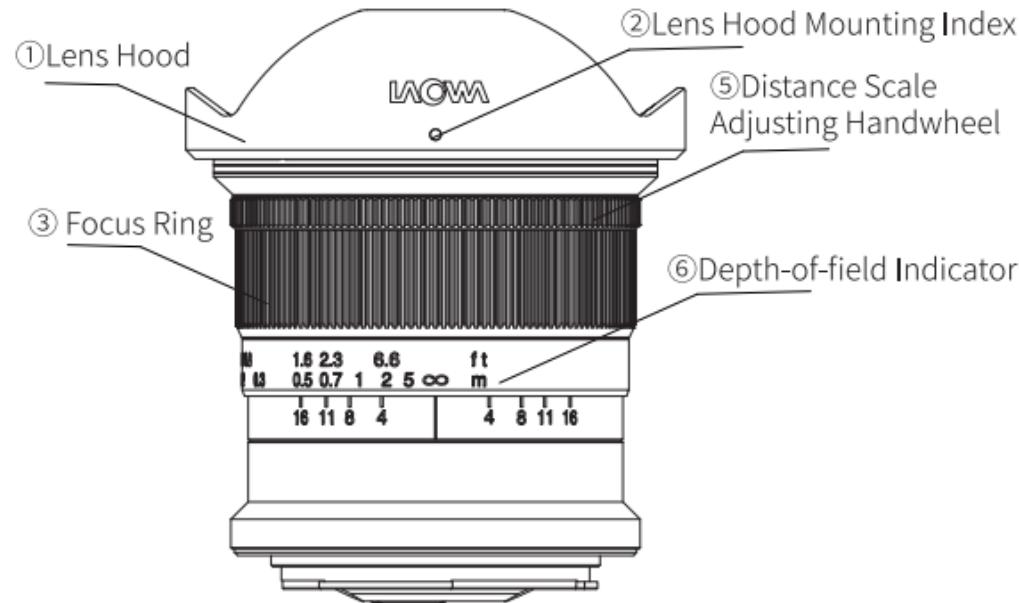
△ Safety Precautions

- 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.

■ Maintenance Precautions

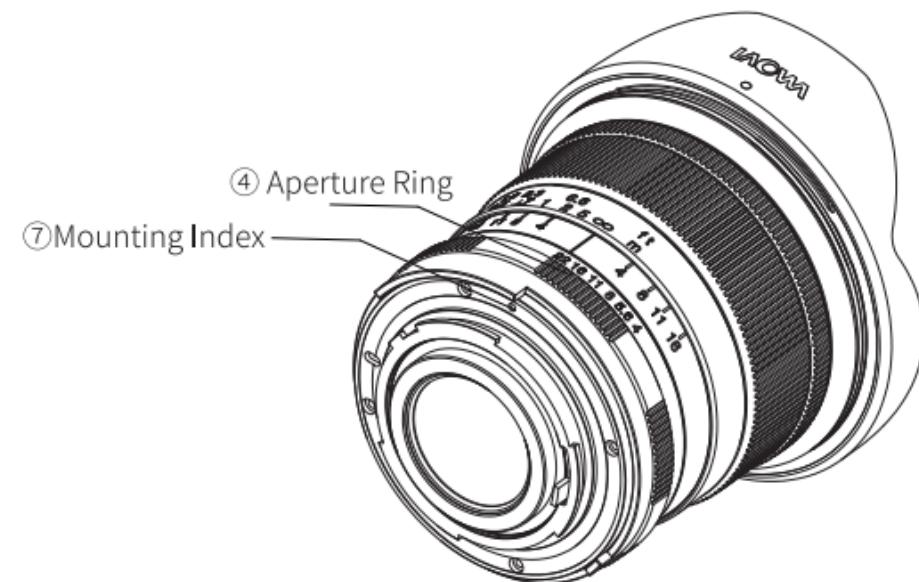
- Do not touch the surface of the lens directly. Brush off any dust with a blower. Wipe the surface with a cleaning cloth or a lens tissue.
- Try a circular motion from the center outward to remove oil, fingerprints and grime on the lens surface.
- If your lens is brought directly from a cold place to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

Nomenclature



Canon EF

Nomenclature



Nikon F

■ To attach the Lens

Remove the rear lens cap. Align the mounting index 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.

After attaching the lens, please try to rotate the lens to make sure it 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 in the reverse direction for attaching the lens until it stops, then detach the lens.

■ Focusing

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

Precautions

■ Setting the Aperture

- For the EF version, you can control the aperture via the camera body. For F version, the aperture is set through the aperture ring on the lens. According to the shooting situation and desired depth of field, rotate the aperture ring on the lens to the corresponding aperture.
- For the EF version, since the lens has CPU data, the aperture value can be recorded. For the F version, since there is no CPU data, the aperture value can not 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.)

FF 14mm F4.0 C&D-Dreamer	
Format	Full Frame
Focal Distance	14mm
Angle of View	115°
Max. Aperture	4.0
Min. Aperture	22
Lens Structure	13 elements/ 8 groups (ED glass*2, aspherical lenses*2)
Aperture Blades	5
Min. Shooting Distance	14.5cm
Max. Magnification	0.3
Focusing	MF
Filter Thread	Φ67mm
Dimensions	Φ72.5mm*75mm
Weight	About 320g
Mounts	Canon EF/Nikon F



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