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LAOWA FF II 14mm F4.0
C&D-Dreamer

使用手册

Instruction Manual

LAOWA 老蛙

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design and specifications at any time without notice and
to the final interpretation of the *Instruction Manual*.



PREFACE

Thank you very much for purchasing FFⅡ 14mm F4.0 C&D-Dreamer. Read this operation manual carefully to familiarize yourself with its contents and ensure that you can operate the product properly.



 Prior to use, please read this Instruction Manual before to ensure proper use. Keep the Instruction Manual in hand and refer to it whenever needed. If you are unable to solve a problem by reading the manual, please contact our after-sales service for further technical support.

FEATURES

- This lens is designed for full-frame mirrorless cameras, and the lens' focal distance is 14mm and the angle of view is 114°. This lens is super compact and lightweight. It features low distortion and high image quality. This lens delivers much more content than a traditional ultra-wide-angle lens, which brings exceptional experience for photographers.
- 14mm for full-frame and 114°angle of view offers a dreaming angle of view and more space for photographers to create.
- This lens incorporates 2 pieces of aspherical glass and 3 ED glass elements to deliver corner-to-corner sharpness and correct the chromatic aberration and distortion.
- This lens is fully manual and designed for Leica M bayonet. This lens also incorporates rangefinder focus to make focusing more accurate.
- This lens, with 52mm front filter thread, can be used with the 100mm square filter holder, which gives more options to landscape photographers.
- The lens has an 5-blade aperture design that produces 10 ray points.

PRECAUTIONS

Safety Precautions

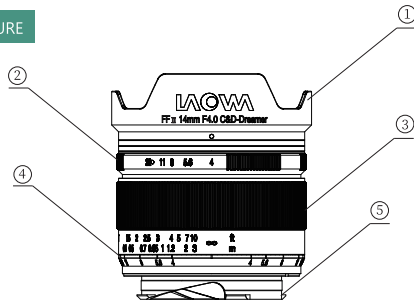
- Do not disassemble or modify the lens by yourself. Do not touch the internal parts that become exposed as the result of external force.
- Do not leave the lens where it will be exposed to high temperatures, such as in direct sunlight and an enclosed vehicle. Excessive heat may deform the glass elements and other parts of the lens.
- Do not leave the lens under the sun. If sunlight is focused on a nearby object, it may cause a fire. Keep the lens cap attached when it's not in use.
- 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 lens contacts. Clean by a lens cloth or a blower. Always place the lens cap on the lens when storing.
- Try a circular motion from the center outward when using a lens tissue or a cleaning cloth 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



- ① : Lens hood ② : Aperture ring ③ : Focus ring
④ : Depth of field scale ⑤ : Bayonet

INSTRUCTIONS

■ Mounting and Detaching the Lens

Remove the rear lens cap. Align the mounting index on the lens bayonet⑤ with the mounting index on the camera, then insert the lens into the camera mount and rotate it in the direction for your lens version until it locks. Do not use excessive force during installation to avoid damage to the bayonet.

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.

After attaching the lens, please try to rotate the lens to make sure it mounted onto the camera properly.

■ 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 scale③ and depth of field scale④ are for instructional purposes. Actual focus and DOF may slightly differ from those

■ Instructions for Rangefinder Focus(for Leica M bayonet)

Rangefinder focus is a kind of mechanical focusing mode, in which a distance finder hole is shared with the viewfinder, and a smaller circle (or square) distance finder hole is equipped with a yellow filter. During focusing, try to turn the lens until the two shadows in the yellow frame of distance finder coincided. After setting the aperture and shutter speed, put your subject in the macula area, then you can see that there are two shadows. Turn the focusing ring appropriately so that the two shadows overlap to complete the focusing.

According to the characteristics of the Leica M series, the focus is not linked to the rangefinder focus within 0.7m. This lens has a stop at the distance of 0.7m at the distance scale, allowing photographers to focus more accurately. Distance within 0.7 meters belongs to the close-up macro range because the depth of field is shallow, so it is recommended to use LV magnification focus.

■ Setting the Aperture

According to the shooting situation and desired depth of field, rotate the aperture ring② on the lens to the corresponding aperture.

This lens cannot provide actual aperture value to the camera since there' s no CPU data.

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.)

SPECIFICATIONS

LAOWA 14mm F4.0 C&D-Dreamer	
Model	FF II 14mm F4.0 C&D-Dreamer
Format	Full Frame
Focal Distance	14mm
Angle of View	114°
Max. Aperture	4.0
Min. Aperture	22
Lens Construction	13elements/ 9 groups
Aperture Blades	5
Min. Shooting Distance	27cm
Max. Magnification	0.07
Focusing	MF
Filter Thread	φ52mm
Dimensions (Diameter/Length)	φ58mm/59mm
Weight	228g
Mounts	Leica M、Sony FE、Nikon Z、Canon RF

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