



微信公众账号 FACEBOOK

安徽长庚光学科技有限公司

www.laowalens.com

服务热线:400-066-1316

Email: sales@laowalens.com

电话Tel:(+86) 551-69107990

地址: 合肥市庐阳区天水路与太和路交口庐阳中科大校友创新园5号楼
Add: Building 5, USTC Alumni Innovation Park, Crossing of Tianshui
and Taihe Road, Luyang District, Hefei City, Anhui Province, China

LAOWA GF 19mm F2.8 C&D-Dreamer

使用手册
Instruction Manual

LAOWA 老蛙

本公司保留更改产品设计与规格的权利，届时恕不另行通知；
本公司保留对此《使用说明》的最终解释权。

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 choosing LAOWA GF 19 mm F2.8 C&D-Dreamer of ultra-wide-angle lens for medium-format system. In order for you to fully understand the usage of and precautions for this product, please read this manual carefully before use.



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.

Main features

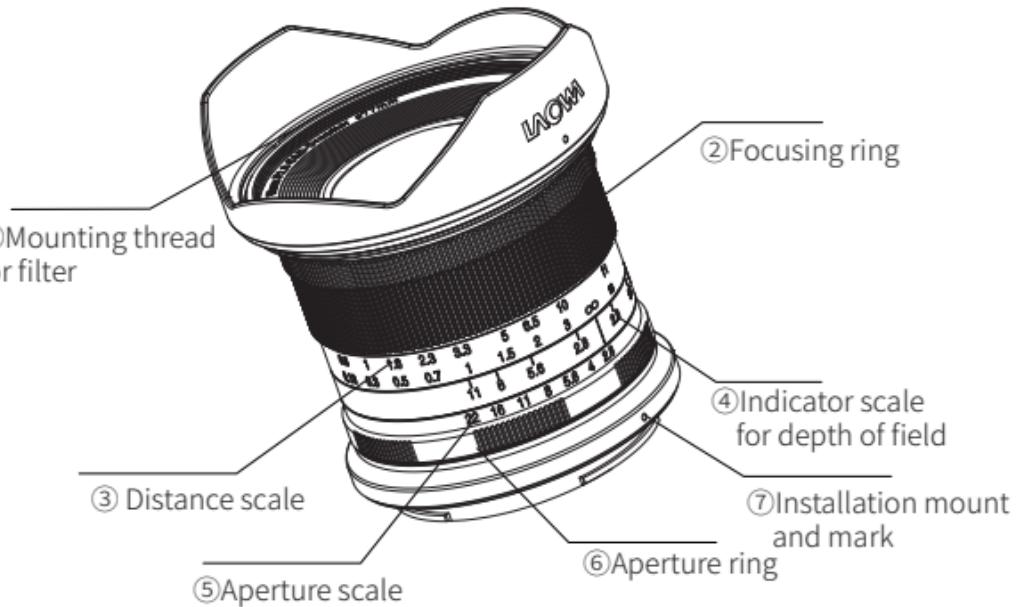
- 1. LAOWA GF 19 mm F2.8 C&D-Dreamer is a mirrorless medium-format G-mount lens, with the equivalent full frame being about 15 mm and angle of field of view being 110°, which allows the medium-format system to capture a wide picture without switching, and add to the ultra-wide-angle lens options for medium-format users.
- 2. This LAOWA lens sticks to the extreme requirements for ultra-wide-angle lenses. As always, it adopts an optical design with almost zero distortion. In it, 10 groups and 12 pieces of optical lens pieces are used, including 2 non-spherical lenses and 3 anomalous dispersion lenses, which effectively solves aberrations and distortions. With all these, higher standards for picture quality and experience are brought about to meet the demanding requirements of medium-format.
- 3. A lens with the maximum aperture of F2.8 is a large aperture lens in the medium-format system, which can maintain a lower sensitivity in the dark environment to ensure the purity of the picture. It is suitable for starry sky theme photography.
- 4. This lens is designed with an all-metal lens body, which provides higher accuracy and also ensures durability, bringing a more solid and reliable shooting experience for medium-format users.
- 5. The front section of the lens adopts a non-bulb lens design, and the lens comes with a round hood, with which no other hood is needed to be equipped. And the front end of the lens can be equipped with a 77 mm circular filter, allowing photographers to experience more convenient shooting.

Matters needing attention

■ Safety Precautions

- Do not disassemble, alter or modify the lens by yourself. When the lens is damaged due to external forces, do not touch the exposed part or the edge of the place of damage.
- Do not place the lens under direct sunlight, in a locked vehicle, or at other high-temperature places, or otherwise excessively high temperature will cause the lens and other parts to stretch and deform.
- When not using the lens, put the front lens cover the lens or place the lens at a place where there is no direct sunlight. The light reflected by the convex lens may collect on nearby objects and cause a fire.
- When shooting against the light, do not place the sun at the center of the frame, and sufficiently avoid the avoid from the angle of picture, or otherwise the sunlight will collect inside the camera and cause fire or burns to the eye.

Nomenclature



■ Precautions for long-term use and maintenance

- Avoid touching the surface of the lens. Use special lens cloth or air blowing to remove dust on the surface of the lens. When the lens is not in use, put the cover it.
- When cleaning the lens with lens paper or lens cloth, wipe the dirt and fingerprints on the lens from the middle to the outside in a spiral manner.
- When the lens is suddenly transferred from a cold environment to a warm environment, water mist will be condensed on external and internal pieces of the lens, so moisture protection measures should be taken when the lens is being transferred.

■ Lens installation

Remove the rear lens cap. Align the Mounting Mark ⑦ on the lens mount with the corresponding mark on the lens seat, then insert the lens into the seat on camera body, and turn the lens according to the mounting direction of the purchased mount until the lens is locked with a click.

■ Lens removal

After turning off the camera, press the lens release button on the camera, turn the lens in the direction opposite to the mounting direction of the purchased mount, and then pull the lens out of its seat.

* After mounting the lens, please try rotating the lens to confirm whether it has been fixed on the camera.

* For this is a non-CPU lens and digital information cannot be provided, please turn on the "release shutter without lens" function in the camera.

■ Focusing

This lens is a fully-manual-focus lens. When focus is achieved, slowly turn the Focusing Ring ② until focus is achieved.

* Do not turn the focusing ring too fast or too hard to avoid damaging any focusing ring part with excessive force.

* The Distance Scale ③ and Scale for Depth of Field ④ on the lens are for guidance purposes. The actual focus and depth of field may be slightly different from the scale marking.

* If very precise focus is needed, please achieve focus using the maximum aperture with the camera position fixed, and then turn to the required aperture value after the focus is achieved.

* For the convenience of focusing, please turn on the peaking focus function in the camera (depending on the camera function used).

■ How to use the aperture

The aperture is adjusted on the lens. Turn the Aperture Ring ⑥ to select the corresponding aperture according to the shooting environment and the required depth of field.

* As this lens is with no CPU data, it is temporarily impossible for the lens to record aperture parameters.

* Since the aperture is adjusted manually, it is impossible for shutter priority mode to be put in relatively good use, but the aperture priority mode can be used (the metering accuracy depends on the camera model)

LAOWA GF 19 mm F2.8 C&D-Dreamer	
Format	medium format
Focal distance	19mm
Aperture range	F2.8-22
Angle of field of view	110°
Lens structure	10 groups and 12 pieces (2 non-spherical pieces, 3 ED pieces, and 1 piece with an ultra-high refractive index)
Aperture Blades	5pieces
Min. Shooting Distance	18cm
Max. Magnification	0.185times
Focusing	Manual (MF)
Filter Thread	Φ77mm
Dimensions	Φ82.6mm*80mm
Weight	About 546g (without lens hood and both front cap)
Mounts	Fuji G mount

GFX 19mmF2.8 @inf

