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LAOWA GF 17mm F4 D-Dreamer

使用手册

Instruction Manual

LAOWA 老蛙

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新创意·新乐趣
New Idea , New Fun

老蛙镜头,为乐趣而生



前言

真诚地感谢您选购LAOWA（老蛙）GF 17mm F4 D-Dreamer 中画幅系统超广角镜头。为了操作上的安全，使用本产品前请务必详细阅读使用手册与注意事项，并将手册放在需要时容易取得的地方。如遇到不能解决的问题请通过售后电话获取技术支持。



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主要特色

- LAOWA老蛙 GF 17mm F4 D-Dreamer为无反中画幅G卡口镜头，等效全画幅约13.5mm，视场角115°，让中画幅系统无需转接既可捕捉宽广的画面，增加了中画幅用户的更多广角镜头选择。
- 老蛙镜头延续对于超广角镜头的极致要求，保持了近似零畸变的光学设计，采用14组21片光学镜片，内含1枚大口径非球面镜以及3枚异常分散镜片，有效的解决了像差和畸变，为中画幅苛刻的要求带来了更高标准的画质和体验。
- 前方第一片镜片采用了蛙眼仿生FEC (Frog Eye Coating)防水镀膜层，使水滴、脏物不宜附着，且每块镜片均采用低反射多层膜，消除了摄影中易出现的鬼影和眩光。
- 此镜头拥有全金属镜身设计，精度更高的同时也确保了耐用性，为中画幅用户带来更加坚实可靠的拍摄体验。
- 镜头前端采用非灯泡镜头设计，自带圆形遮光罩，无需另配。且镜头前端可装86mm口径的圆形滤镜，让摄影师拥有更轻便的拍摄体验。

注意事项

△ 安全注意事项

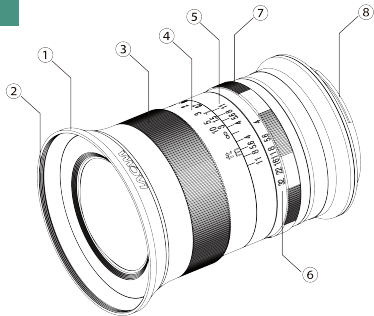
- 切勿自行拆解、修改或改装。当产品由于外力原因破损，切勿触碰外露部分或破损边缘处。
- 切勿放置于直射阳光下、封闭车辆中或其余高温处，否则过高的温度会使镜片和其他部件产生伸缩变形。
- 不使用镜头时，请将镜头前盖盖上或置于没有阳光照射处。凸透镜反射出的光线可能会聚集在附近物体上，导致发生火灾。
- 在逆光拍摄时，切勿将太阳置于画面中心，应该使太阳充分偏离画角，否则阳光会在相机内部聚集并导致火灾或灼伤眼睛。
- 在使用相机内置闪光灯拍摄时，由于镜头本身会遮挡光线而产生渐晕，因此建议您使用外设闪光灯拍摄。

注意事项

长期使用保养注意事项

- 避免触摸镜头表面，应用专用镜头布或气吹去除镜头表面的尘埃，也可加装UV镜保护。不使用镜头时，应将镜头盖盖上。
- 使用镜头纸或镜头布清洁时，以螺旋的方式从中间向外擦拭镜头上的污垢以及指印。
- 镜头从寒冷的环境突然转移至温暖的环境时，镜头的外部以及内部镜片将会凝结水雾，所以在转移时应采取防潮保护措施。

各部件名称



- | | | | |
|------------|---------|------|----------|
| ①遮光罩（不可拆卸） | ②滤镜安装螺纹 | ③对焦环 | ④距离刻度 |
| ⑤景深指示刻度 | ⑥光圈刻度 | ⑦光圈环 | ⑧安装卡口及标记 |

使用说明

镜头安装

取下镜头后盖。将镜头卡口上的安装标记⑧对准相机座圈上的对应标记，随后将镜头插入机身座圈，根据所购买卡口的安装方向旋转镜头，直至咔嚓声锁紧镜头。

镜头拆卸

- 关机后按下相机上的镜头释放按钮，依照所购买卡口的安装方向反向旋转镜头，随后将镜头从座圈中拔出。
- 装上镜头后，请尝试旋转镜头确认是否已将其固定在相机上。
- 由于此为非CPU镜头，无法提供数据信息，所以请在相机内开启“无镜头释放快门”功能。

使用说明

对焦

- 此款镜头是全手动对焦镜头，合焦时，缓慢旋转对焦环③，直至合焦。
- 不要过猛过快地旋转对焦环，避免用力过度损坏对焦环部件。
- 镜头上的距离刻度④与景深刻度⑤是出于指导目的。实际焦点与景深可能同刻度标记稍有不同。
- 如需要非常精确的对焦，请在固定好相机位置的情况下使用最大光圈对焦，对焦完成后再旋至所需要的光圈值。
- 为了对焦的方便性，请开启相机内的峰值对焦功能(视所使用相机功能而定)。

使用说明

■ 光圈使用方法

- 光圈在镜头上调节，根据拍摄环境和与所需要的景深，转动光圈环⑦来选择对应的光圈。
- 由于此镜头无CPU数据，所以暂时无法记录光圈参数。
- 由于光圈为手动调节，无法较好的使用快门优先模式，但可以使用光圈优先模式(测光准确度视相机型号而定)。

规格表

LAOWA老蛙 GF 17mm F4 D-Dreamer	
画幅	中画幅
焦距	17mm
视场范围	115°
最大光圈	4.0
最小光圈	32
镜头结构	14组21片(含2枚大口径非球面镜,3枚异常分散镜片)
光阑叶片	5
最近摄影距离（物象距离）	20mm
最大放大倍率	0.28倍
合焦驱动方式	手动 (MF)
滤镜直径	Φ86mm
镜头尺寸（直径/长）	Φ88mm×124.5 mm
重量	约 829克



Introduction

Thank you very much for purchasing Laowa GF 17mm F4 D-Dreamer lens. For operational safety, please read this instruction manual thoroughly and place the manual where it is easy to obtain when needed. Please contact customer service for technical support in case of any unsolvable problems.



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

FEATURES

- Laowa 17mm F4 D-Dreamer is a mirrorless lens designed for Fuji medium format system cameras. It gives a focal length of 13.5mm (35mm-equivalent) and 115° angle of view. It provides a native lens option for medium format users without the need to adapt lenses from other system.
- Laowa lenses keep up with the highest requirements of ultra wide angle lenses with the close-to-zero distortion design. It includes 21 elements in 14 groups with one piece of aspherical glass and three extra-low dispersion glasses to eliminate chromatic aberration and distortion. It also helps to deliver corner to corner sharpness for the medium format sensors.
- The Frog Eye Coating, known as "FEC" , is applied to the front element of the lens, protecting it from water droplets and smudges. Multi-layer low-reflective coatings are applied to each glass element to eliminate ghosting and flare.
- The metallic build design increases the durability of the lens, providing a more reliable shooting experience for medium-format users.
- A lens hood is attached to the front of the lens and a 86mm circular filter thread is equipped.

PERCAUTIONS

Safety Precautions

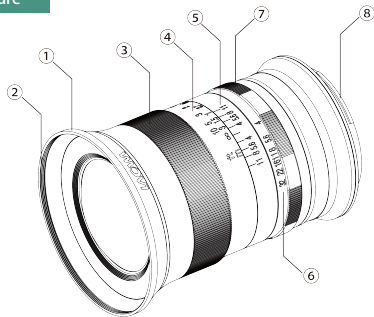
- Do not disassemble or modify the lens by yourself. If it is damaged by external force, do not touch any exposed part of the lens.
- Don't expose the lens to excessive heat such as direct sunshine or a parked car as this may deform the lens elements and other mechanism.
- Close the front cap of the lens or prevent the lens from exposing sunlight when it is not in use. The light reflected by the convex lens gathering on a nearby object can cause fire.
- Do not place the sun in the center of the frame when shooting with backlight, sunlight focused on the camera when the sun is in or close to the frame could cause a fire or damage to your eyes.
- When shooting with the camera's built-in flash, the lens itself may block the light and cause vignetting, an external flash is recommended in such case.

PERCAUTIONS

■ Maintenance Precautions

- Avoid touching the lens surface and apply lens cloth or air blow to remove dust from it, you can also install UV lens for protection purpose. Close the lens cap when it is not in use.
- Gently remove any dirt and fingerprints by rubbing the lens surface in spiral motions (from center to the periphery) with lens tissue or cleaning cloth.
- When the lens is taken from a cold environment into a warm one, condensation may develop on the surface and internal parts of the lens, so moisture protection should be taken when transferring.

Nomenclature



- ① Lens hood (non-detachable part) ② Filter thread ③ Focusing ring
④ Distance scale ⑤ Depth-of-field scale ⑥ Aperture scale
⑦ Aperture ring ⑧ Installation mount and mark

INSTRUCTIONS

■ Mounting the Lens

- Remove the lens rear cap. Align the Mounting index⑧on your lens with the matching mounting index mark on the camera. Insert the lens into the camera and turn the lens in the attachment direction until it locks with a "click".

■ Detaching the Lens

- Turn the camera off and press the lens release button on the camera, turn the lens in the direction opposite to that for attaching, and pull it out.
- Gently turn the lens back and forth to ensure that the lens is fully attached to the camera.
- Turn on the "lens-free shutter release" function in the camera, as it is a non-CPU lens, data information cannot be provided.

INSTRUCTIONS

■ Focusing Instructions

- Focus by turning the focusing ring as it is a manual focus only lens.
- Do not apply too much force when turning the focusing ring or moving it too quickly in case of any damage.
- The distance scale④and the depth-of-field scale⑤on the lens are for instructional purpose. Actual focus and depth-of-field may be slightly different from the scale.
- For the need of extremely precise focus, please fix the camera position and focus with a wide-open aperture. Get focus first and then set the required aperture.
- To facilitate focusing, please turn on [Focus peaking] in the camera setting (depending on the function of your camera).

INSTRUCTIONS

■ Aperture Instructions

- Turn the aperture ring⑥ on the lens to choose the corresponding aperture according to the shooting situation and desired depth-of-field.
- As a Non-CPU lens, the camera cannot record the actual aperture value.
- Since this is a manual lens, aperture-priority mode is recommended to be used. (Metering accuracy will depend on the camera)

Specifications

LAOWA GF 17mm F4 D-Dreamer	
Format	Medium Format
Focal Length	17mm
Angle of View	115°
Max.Aperture	4.0
Min.Aperture	32
Elements/Groups	21/14 (Including 2 pcs x Aspherical glass&3 pcs x ED glass elements)
Aperture Blades	5
Min.Shooting Distance	20mm
Max.Magnification	0.28X
Focusing	Manual Focus (MF)
Filter Diameter	Φ86mm
Size(diameter/length)	Φ88mm×124.5 mm
Weight	About 829g