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LAOWA CF Argus 25mm f/0.95 APO

使用手册

Instruction Manual

LAOWA 老蛙

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前言

真诚地感谢您选购LAOWA CF Argus 25mm f/0.95 APO镜头。此镜头是针对APS-C画幅系统大光圈镜头,最大光圈F0.95,采用内对焦设计,有级、无级光圈可切换机构,低呼吸效应,更倾向于视频拍摄。



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。

主要特色

- 1、Argus系列采用内对焦设计，内对焦是现代镜头主流设计结构，可以实现多组浮动匹配对焦，可矫正因距离变化产生的各种像差等，实现无限远和近距离均能优质成像。内对焦的设计，也能在恶劣环境下尽量避免进灰的情况。内对焦因长度不变，拍摄视频时不会干扰遮光斗，UV等配件，也不会干扰模特的注意力。内对焦通过组间间隔补正，实现了低呼吸效应，适合照片领域的同时，也比较适合视频创作。
- 2、镜头采取轻量化设计，大小仅有 $\phi 71.5 \times 81\text{mm}$ ，重量575g，搭配在无反APS-C画幅机身上使用，体积小巧，轻便携带。
- 3、最大光圈F0.95，大光圈带来的浅景深的拍摄效果，更加突出拍摄主体，同时，在低照度的拍摄环境下，可以采用更低的感光度，让画面更加纯净。
- 4、镜头采用有级、无级光圈可切换设计，在视频拍摄过程中使用无级光圈使画面没有明显的明暗变化，光学设计优化了镜头的呼吸效应，较低的呼吸效应，焦点切换更加自然顺畅。
- 5、镜头由9组14片镜片组成，包含1枚异常分散玻璃、1枚非球面镜片和2枚特殊高折射玻璃的结构带来的高素质成像。外有全金属材料制成的机械结构，保障了镜头长期使用的耐用性。

注意事项

△ 安全注意事项

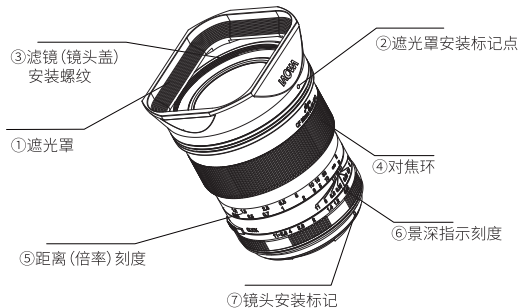
- 切勿自行拆解、修改或改装。当产品由于外力原因破损，切勿触碰外露部分或破损边缘处。
- 切勿放置于直射阳光下、封闭车辆中或其余高温处，否则过高的温度会使镜片和其他部件产生伸缩变形。
- 不使用镜头时，请将镜头前盖盖上或置于没有阳光照射处。凸透镜反射出的光线可能会聚集在附近物体上，导致发生火灾。
- 在逆光拍摄时，切勿将太阳置于画面中心，应该使太阳充分偏离画角，否则阳光会在相机内部聚集并导致火灾或灼伤眼睛。
- 在使用相机内置闪光灯拍摄时，由于镜头本身会遮挡光线而产生渐晕，因此建议您使用外设闪光灯拍摄。

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,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



镜头安装

取下镜头后盖。将镜头卡口上的安装标记⑦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。安装时请不要用力过猛，以免导致卡口损伤。

镜头拆卸

关机后按住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。

镜头拆卸

将遮光罩上的安装标记②对准镜头上的遮光罩安装点，然后顺时针旋转遮光罩，直至锁紧末端为止。

如要拆卸遮光罩，按相反方向旋出即可。

安装遮光罩可减少强光并保护镜头前部元件。

安装某些滤光镜后，您可能无法再使用遮光罩。

若不使用遮光罩时，可将遮光罩反向安装于镜头上。

利用闪光灯拍摄时。遮光罩可能遮挡住光线而造成影像上的渐量现象。所以在使用相机闪光灯或使用高度不够的外置闪光灯时，请拆卸遮光罩后再进行拍摄。

对焦

- 此款镜头是全手动对焦镜头，合焦时，缓慢旋转对焦环④，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⑤与景深刻度⑥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)。

光圈使用

- 光圈在镜身上调节，采用了有级、无级可切换光圈设计，根据拍摄环境和与所需要的景深，转动镜身光圈环来选择对应的光圈，拍摄前建议检查光圈数值，以免误触改变拍摄参数。由于此镜头无CPU数据，无法记录光圈参数。

■ 对焦方法一

- 峰值对焦

- 1、开启机身峰值对焦选项，峰值颜色选择为红色或常用颜色，峰值选项为低。
- 2、通过取景器或开启Live View (实时取景) 功能观察画面，通过峰值来观察对焦点。
- 3、转动对焦环对物体进行精确对焦。

■ 对焦方法二

- 放大对焦

先构定拍摄画面，在通过取景器或开启Live View (实时取景) 功能观察画面的同时，转动对焦环，构定拍摄画面后，通过按键或者双击屏幕将对焦点放大，转动对焦环直至合焦。

放大倍率是指记录在传感器或胶片上的图像尺寸大小与拍摄物体的实际尺寸大小之间的比例关系。

建议：由于F0.95光圈景深很浅，拍摄的过程中建议使用脚架和设置安全快门来保证画面稳定性。对焦建议使用峰值和放大相结合的对焦方式，保证焦点画面的锐利。

规格表

LAOWA CF Argus 25mm f/0.95 APO	
画幅	半画幅
焦点距离	25mm
光圈范围	F0.95-11
视场角	58.8°
镜头结构	9组14枚 (1枚非球面镜片、1枚ED镜片、2枚特殊高折射玻璃)
光阑叶片	9片
最近摄影距离 (物像距离)	34cm
最大放大倍率	0.1倍
合焦驱动方式	手动 (MF)
滤镜尺寸	Φ62mm
镜头尺寸	约Φ71.5mm*81mm
重量	约575 g (不含遮光罩、前后盖)
卡口	索尼E、尼康Z、佳能R、富士X、佳能EF-M



Introduction

Sincerely thank you for purchasing the LAOWA CF Argus 25 mm f/0.95 APO lens. This lens is a large aperture lens aimed for the APS-C frame system. The maximum aperture is F0.95. It adopts an internal focusing design, a switch mechanism between stepped and stepless apertures. It is with low breathing effect, and is more inclined to video shooting.



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. The Argus series adopts an internal focusing design. The internal focusing is the mainstream structure in designs for modern lenses. With It, multiple sets of floating matched focusing can be achieved, various aberrations caused by distance changes can be corrected, and high-quality imaging can be achieved at both infinity and close distances. With the internal focusing design, entering of dust can also be avoided as much as possible in harsh environments. Since the length of the internal focusing remains the same, accessories such as matte boxes and UVs will not be interfered with, nor will the model's attention, when videos are being shot. The internal focusing is corrected by the interval between groups, and a low breathing effect is achieved, which is suitable for the photo shooting field and also relatively suitable for video creation.
- 2. For the lens, a lightweight design is adopted; the size is only $\phi 71.5 \times 81$ mm, and the weight is 575 g; it is used in combination with a mirrorless APS-C frame body, and it is small in size and light for carrying.
- 3. The maximum aperture is F0.95; shooting effect of shallow depth of field is brought about by the large aperture, making the subject more prominent; at the same time, a lower sensitivity can be employed in the low-light shooting environment to make the picture more pure.
- 4. The lens adopts a switchable design between stepped and stepless apertures. With the use of stepless aperture during video shooting, the picture will be without obvious changes in brightness. The breathing effect on the lens is optimized by the optical design, and the focal switching will be smoother under lower breathing effect.
- 5. The lens is composed of 9 groups and 14 pieces of lens pieces, including 1 anomalous dispersion glass lens piece, 1 non-spherical lens piece and 2 special highly refractive glass lens piece, which bring about high-quality imaging. There is a mechanical structure fully made of metal materials on the outside to ensure the durability of the lens for long-term use.

Matters needing attention

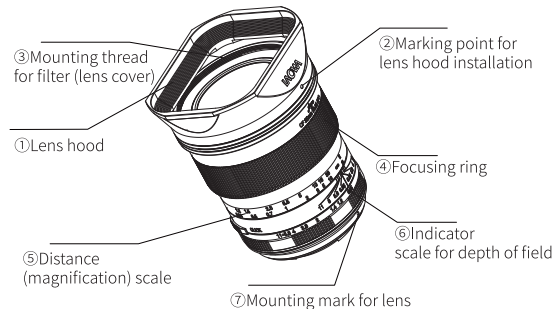
■ △ Safety Precautions

- 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.
- When shooting with the camera's built-in flash lamp, since the lens itself will block the light and result in vignetting, it is recommended that you use an external flash lamp for shooting.

■ 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.

Name of each part



Instructions for use

■ Lens installation

Remove the rear lens cap. Align the Mounting Mark ⑦ on the lens mount with the corresponding mark on the seat, then insert the lens into the seat on camera body, and turn the lens in the mounting direction of the purchased mount till the lens is locked with a click. Please do not use excessive force during installation to avoid damage to the mount.

■ Lens removal

After turning off the camera, press and hold 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 the seat.

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

■ Mounting and removing of lens hood

Align the Mounting Mark ② on the lens hood with the mounting point for the hood on the lens, and then turn the hood clockwise till the end is locked tight.

A lens hood Installed can reduce glare and protect the front lens elements. You may no longer be able to use the lens hood after installing certain filters.

If the lens hood is not used, it can be installed on the lens in the reverse direction.

When shooting with the flash lamp, the lens hood may block the light and cause vignetting on the image. Therefore, when using the camera flash lamp or an external flash lamp with insufficiently bright light, please remove the lens hood before shooting. To remove the hood, just back it out in the opposite direction.

■ Focusing

This lens is a fully-manual-focus lens. When focus is achieved, slowly turn the Focusing Ring ④ till focus is achieved.

Do not turn the focusing ring too hard or too fast to avoid damaging the focus ring components with excessive force.

The Distance Scale ⑤ and Scale for Depth of Field ⑥ 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 body. A switchable design stepped and stepless apertures is adopted. The corresponding aperture can be selected according to the shooting environment and the required depth of field by turn the aperture ring on lens body. It is recommended that the aperture value be checked before shooting to avoid changes to shooting parameters due to touch by mistake.

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

■ Focusing method I

Peaking focus

1. Turn on the peaking focus by camera body option, and choose red or other common colors as the peak color, and low as the peak option.
2. Observe through the viewfinder or by turning on the Live View function, and observe the focusing with the help of the peak value.
3. Turn the focusing ring to accurately focus on the object.

■ Focusing method II

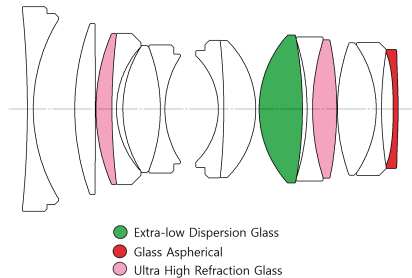
Zooming-in focus

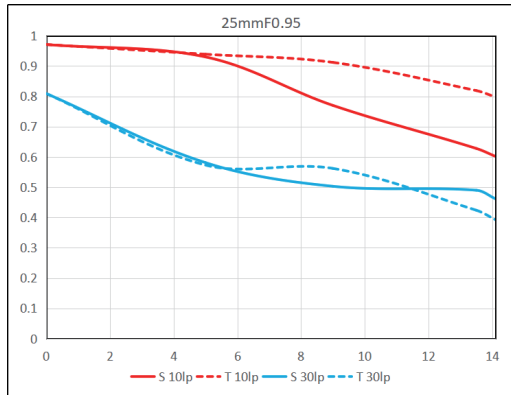
Frame the scene to be shot first; while observing through the viewfinder or by turning on the Live View function, turn the focusing ring; after the scene to be shot is framed, press the button or double tap on the screen to zoom in on the focal point; and turn the focusing ring till focus is achieved

Suggestion: Since the depth of field with the F0.95 aperture is very shallow, it is recommended that a tripod be used and a safety shutter be set to ensure image stability during shooting. It is recommended that a focusing method that combines peaking and zooming-in be used to ensure the sharpness of the focal point image.

Specifications

LAOWA CF Argus 25 mm f/0.95 APO	
Format	Aps-c
Focal distance	25mm
Aperture range	F0.95-11
Angle of field of view	58.8°
Lens structure	9 groups and 14 pieces of lens pieces (1 non-spherical lens piece, 1 ED lens piece, 2 special highly-refractive glass lens pieces)
Aperture Blades	9 pieces
Min. Shooting Distance	34cm
Max. Magnification	0.1 times
Focusing	Manual (MF)
Filter Thread	Φ62mm
Dimensions	About $\phi 71.5 \text{ mm} \times 81 \text{ mm}$
Weight	About 575 g (excluding lens hood, and front and rear covers)
Mounts	Sony E, Nikon Z, Canon R, Fuji X, Canon EF-M





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