



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 CF Argus 25mm f/0.95 APO

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*.



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.

- 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.

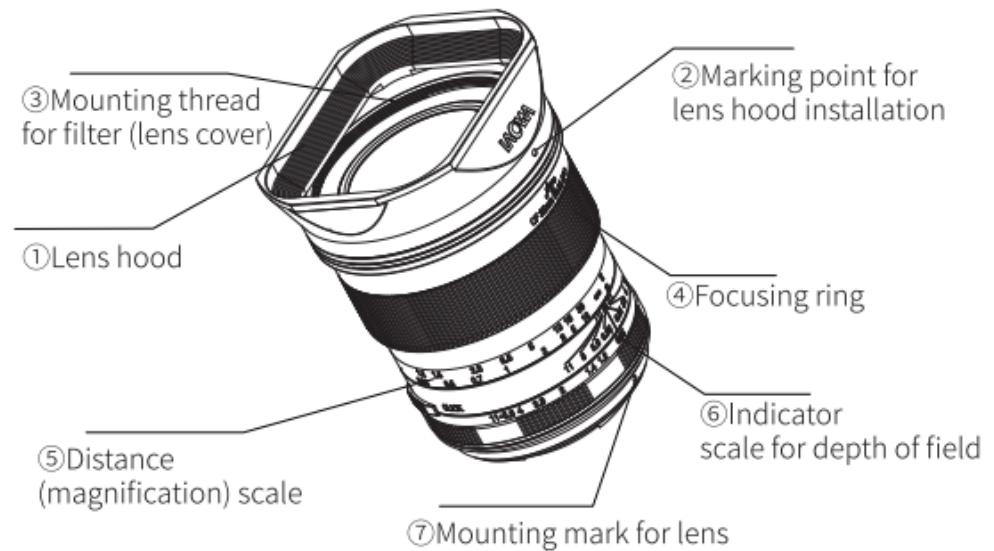
■ Safety Precautions

- 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 shootingTo 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

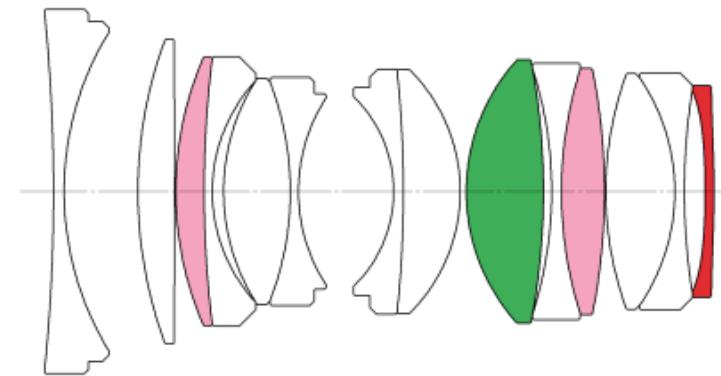
Zooming-in focus

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 [3 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 ϕ 71.5 mm \times 81 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



- Extra-low Dispersion Glass
- Glass Aspherical
- Ultra High Refraction Glass

