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安徽长庚光学科技有限公司

[www.laowalens.com](http://www.laowalens.com)

服务热线:400-066-1316

Email: [sales@laowalens.com](mailto: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 S35 Nanomorph 35mm T2.4 1.5X Cine

使用手册

Instruction Manual

**LAOWA 老蛙**

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## 前言

真诚地感谢您选购LAOWA S35 Nanomorph 35mm T2.4 1.5X Cine变形宽荧幕电影镜头。此镜头是S35画幅系统变形宽荧幕镜头,可实现2.4:1的影院宽荧幕比例,镜身小巧轻便,具备变形宽荧幕镜头拉丝眩光和椭圆光斑的光学特性。



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、在16:9的拍摄模式下能拍摄宽幅视频,可实现2.4:1的影院宽屏幕比例。
- 2、镜头采取轻量化设计,大小仅有 $\phi 60 \times 90\text{mm}$ ,重量360g,搭配在S35画幅电影机上使用,体积小巧,轻便携带。
- 3、最大光圈T2.4,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、拥有变形宽荧幕镜头特有的拉丝眩光特性,可呈现蓝色或橙色的拉丝眩光。同时具备焦外椭圆光斑的光学特性。
- 5、镜头由13组15片镜片组成,能够带来高素质成像。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

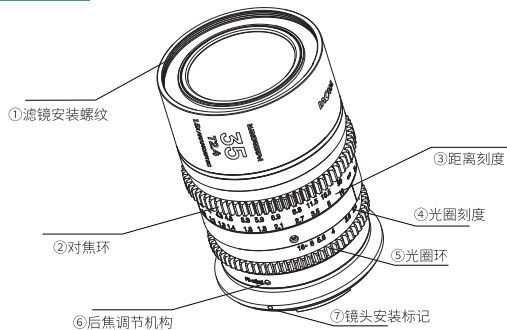
- 切勿自行拆解、修改或改装。当产品由于外力原因破损,切勿触碰外露部分或破损边缘处。
- 切勿放置于直射阳光下、封闭车辆中或其余高温处,否则过高的温度会使镜片和其他部件产生伸缩变形。
- 不使用镜头时,请将镜头前盖盖上或置于没有阳光照射处。凸透镜反射出的光线可能会聚集在附近物体上,导致发生火灾。
- 在逆光拍摄时,切勿将太阳置于画面中心,应该使太阳充分偏离画角,否则阳光会在相机内部聚集并导致火灾或灼伤眼睛。
- 在使用相机内置闪光灯拍摄时,由于镜头本身会遮挡光线而产生渐晕,因此建议您使用外设闪光灯拍摄。

## 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。

### ■ 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

此款镜头是全手动对焦镜头，合焦时，缓慢旋转对焦环②，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③与景深刻度是出于指导目的。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)。

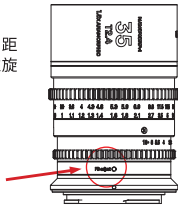
### ■ 光圈使用

光圈在镜身上调节，采用了无级光圈设计，光圈切换没有段落感，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。

## ■ 后焦调节

不同的电影机法兰距会有轻微出入,如果出现焦点距离偏移,请使用内六角螺丝刀拧松螺丝(如图),通过旋转调节机构来进行后焦调节。



## ■ 拉丝眩光

此镜头分为蓝色拉丝眩光和橙色拉丝眩光两个版本,可根据实际需求选择使用。

规格表

S35 Nanomorph 35mm T2.4 1.5X Cine	
画幅	S35
焦点距离	35mm
光圈范围	T2.4-T16
水平视场角	57.5°
垂直视场角	25.8°
镜头结构	13组15片
光阑叶片	13片
拉丝眩光	蓝色/橙色
最近摄影距离(物像距离)	60cm
成像覆盖范围	25.6*16mm
合焦驱动方式	手动(MF)
对焦行程	约270°
滤镜尺寸	Ø55mm
镜头尺寸	Ø60m*90mm
重量	约360g(不含前后盖、遮光罩)
卡口	X/R/E/DL/L/Z/M43/PL/EF



## Preface

Thank you for purchasing LAOWA S35 Nanomorph 35mm T2.4 1.5X Cine. This lens is an anamorphic lens for the Super35 system, which a 2.4:1 cinema widescreen can be achieved. The lens is compact and light in weight. With the optical properties of an anamorphic lens, this lens could produce cinematic horizontal flares and artistic oval bokeh.



*For operational safety, please read the manual and precautions carefully before using this product, and keep the manual at a place that is easily accessible when needed. If you encounter a problem that cannot be solved, please ask for technical support through email.*

## Main features

- 1. 2.4:1 cinematic widescreen ratio can be achieved in a 16:9 senso after de-squeeze.
- 2. The lens is compact and light. It measures  $\phi 60 \times 90$  mm and weighs 360g (11.04oz), which is handy for many filming set-ups.
- 3. The maximum t-stop is T2.4, which is able to create shallower field depth for prominent bokeh and blurry background effect. In the meantime, the camera settings are less restricted in the low-light shooting conditions.
- 4. It produces amber/blue horizontal flares which bring cinematic touch to the images.
- 5. The lens is built to be fully metal, which ensures the durability of the lens for long-term use.

## Matters needing attention

### ■ △ Safety Precautions

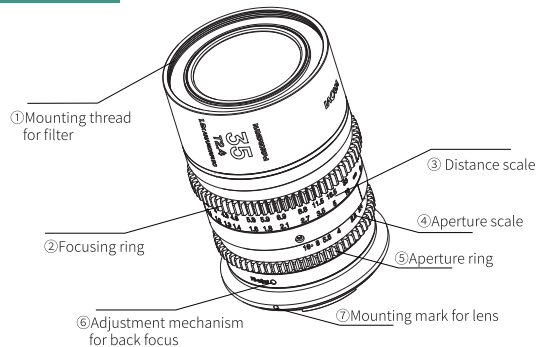
- Do not disassemble, modify, or modify the product by yourself. When the product is damaged due to external force, do not touch the exposed part or the edge along the damaged part.
- Do not place the product in direct sunlight, in a closed vehicle, or other places with high temperature, or otherwise deformation in the form of expansion or contraction of the lens and other parts will occur under an excessive temperature.
- When the lens is not in use, please cover it with the front lens cap or place it at a place out of direct sunlight. Light reflected from a convex lens can collect on nearby objects, and cause a fire.
- When shooting in backlighting, do not place the sun in the center of the frame, and the sun shall be well off the angle of picture, or otherwise the sunlight will gather inside the camera and cause a fire or burn your eyes.
- When shooting is done with the built-in flash, vignetting will occur since the lens itself blocks the light, so shooting with an external flash is recommended.



### ■ Maintenance precautions for long-term use

- Touching of the surface of the lens shall be avoided. Instead, a special lens cloth or air blower shall be used to remove dust from the surface of the lens, and the lens shall be covered with a cap when it is not in use.
- When cleaning with lens tissue or lens cloth, wipe dirt and fingerprints off the lens starting from the center and then moving outward in a spiral manner.
- When the lens is suddenly transferred from a cold environment to a warm environment, water will condense on the outside and inside of the lens, so moisture protection measures shall be taken during the transfer.

### Name of each part



## Instructions for use

### ■ Mounting of lens

Remove the rear lens cap. Align the mounting mark ⑦ on the lens mount with the corresponding mark on the seat on camera body, then insert the lens into the seat, and turn the lens in the mounting direction of the purchased mount till the lens is locked with a click. Do not use excessive force when installing, so as not to cause damage to the mount.

### ■ Removal of lens

After turning off the camera, press and hold the lens release button on the camera, rotate the lens in the direction opposite of the mounting direction of the purchased mount, and then pull the lens out of the mount.

After mounting the lens, try rotating it to confirm that it is secured on the camera.

### ■ Focusing

This lens is a fully manually focused lens. When focusing is being performed, slowly rotate the focus ring ② until focus is achieved.

Do not rotate the focus ring too hard or too fast to avoid damaging the focus ring parts with excessive force.

The distance scale ③ and field depth scale 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 perform focusing using the maximum aperture with the camera position fixed, and then turn to the required aperture value after the focusing is done.

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

## ■ Use of aperture

The aperture is adjusted on the lens body. A stepless aperture design is adopted. The aperture switching is with no paraphrased sense. The corresponding aperture can be selected according to the shooting environment and the required field depth by turning 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.

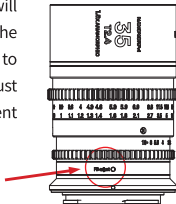
As this lens is with no CPU data, it is impossible for the lens to record aperture parameters.

## ■ Peaking focus

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

## ■ Adjustment of back focus

The flange distance of different cinematographs will be slightly different. If there is a deviation in the focus distance, please use an Allen screwdriver to loosen the screw (as shown in the figure), and adjust the back focus by rotating the adjustment mechanism.



## ■ horizontal flares

This lens is divided into two versions of blue horizontal flares and orange horizontal flares, which can be selected according to actual requirements. The horizontal flares are shown in the following pictures.

## Specifications

S35 Nanomorph 35mm T2.4 1.5X Cine	
Format	S35
Focal length	35mm
T-stop range	T2.4-T16
Horizontal angle of view	57.5°
Vertical angle of view	25.8°
Lens structure	15 elements in 13 groups
Aperture blade	13
Horizontal flares	blue/orange
Minimum shooting distance	60cm
Image circle	25.6*16mm
Focus mode	Manual focusing (MF)
Focus throw	Approximately 270°
Filter thread	Ø55mm
Dimensions	Ø60m*90mm
Weight	About 360g (without front and rear cap)
Mount	X/R/E/DL/L/Z/M43/PL/EF