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LAOWA LF Nanomorph 42mm T2.9 1.5X Cine

使用手册

Instruction Manual

**LAOWA 老蛙**

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to the final interpretation of the *Instruction Manual*.



## 前言

真诚地感谢您选购 LAOWA LF Nanomorph 42mm T2.9 1.5X Cine变形宽荧幕电影镜头。此镜头是Large Format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、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 $\phi 86.4 \times 121\text{mm}$ ,重量1030g,搭配在全画幅电影机上使用,体积小巧,轻便携带。
- 3、最大光圈T2.9,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、橙色、银色的拉丝眩光。同时具备焦外椭圆光斑的光学特性。
- 5、镜头由15组17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

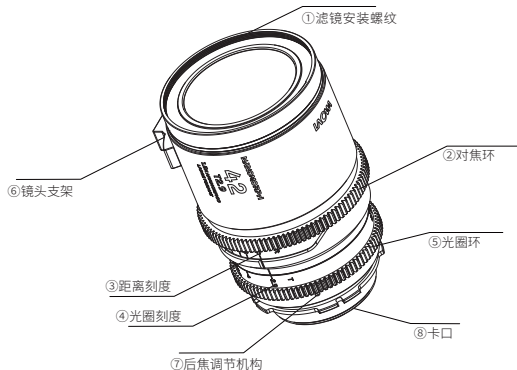
- 切勿自行在镜头结构拆装功能之外的拆解、修改或改装。当产品由于外力原因破损,切勿触碰外露部分或破损边缘处。
- 切勿放置于直射阳光下、封闭车辆中或其余高温处,否则过高的温度会使镜片和其他部件产生伸缩变形。
- 不使用镜头时,请将镜头前盖盖上或置于没有阳光照射处。凸透镜反射出的光线可能会聚集在附近物体上,导致发生火灾。
- 在逆光拍摄时,切勿将太阳置于画面中心,应该使太阳充分偏离画角,否则阳光会在相机内部聚集并导致火灾或灼伤眼睛。
- 在使用相机内置闪光灯拍摄时,由于镜头本身会遮挡光线而产生渐晕,因此建议您使用外设闪光灯拍摄。

## 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



## 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。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。

### 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。

## ■ 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。

## ■ 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，请使用附赠工具，通过旋转调节机构来进行后焦调节。(附图)



## ■ 拉丝眩光

此镜头分为蓝色、橙色、银色拉丝眩光三个版本，可根据实际需求选择使用。

规格表


LF Nanomorph 42mm T2.9 1.5X Cine	
画幅	Large Format
焦点距离	42mm
光圈范围	T2.9-T22
水平视场角	66.5°
垂直视场角	33.8°
镜头结构	15组17片
光阑叶片	13片
拉丝眩光	蓝色/橙色/银色
最近摄影距离 (物像距离)	50cm
成像覆盖范围	36.7°25.54mm
像场直径	46.5mm
合焦驱动方式	手动 (MF)
对焦行程	270°
光圈行程	67.8°
滤镜尺寸	Ø77mm
前端直径	Ø80mm
镜头尺寸	E: Ø86.4m*129mm PL: Ø86.4m*121mm
重量	约1030g (不含前后盖、遮光罩)
卡口	PL (附赠EF卡口组件)
可更换卡口组件	E、RF、L、Z、DL



## Preface

Thank you very much for purchasing LAOWA LF Nanomorph 42mm T2.9 1.5X Cine widescreen cinema lens. This lens is an anamorphic widescreen lens for Full Frame format system, which can achieve a 2.4:1 cinema widescreen ratio. The lens not only is compact and lightweight but also has the optical characteristics of an anamorphic widescreen lens with horizontal flare and 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.*

## Features

- 1.The lens can achieve a 2.4:1 cinema wide screen ratio.
- 2.The lens adopts a lightweight design with the size of only  $\phi 86.4 \times 121\text{mm}$  and the weight of about 1030g. It is compact and portable, and can be used with a Full Frame format cinematograph.
- 3.The maximum aperture is T2.9, which brings a shallow depth-of-field shooting effect and makes the shooting subject more prominent. At the same time, in the low-light shooting environment, a lower light sensitivity can be adopted to make the image more pure.
- 4.The lens has the unique horizontal flare of anamorphic widescreen lenses, which can present blue, amber or silver horizontal flare. Meanwhile, it has the optical characteristics of oval bokeh.
- 5.The lens consists of 17 elements in 15 groups, which can bring high quality imaging. The external mechanical structure is made of all-metal material to guarantee the durability of the lens for long-term use.

## Precautions

### ■ △ Safety Precautions

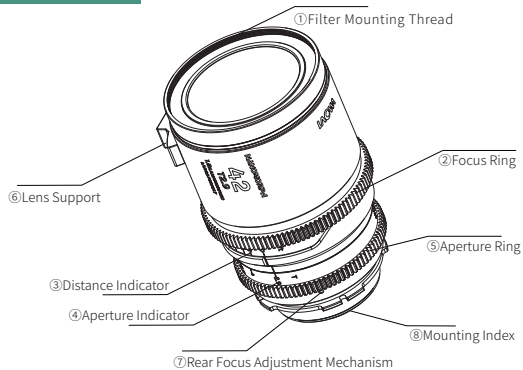
- Do not disassemble, modify the lens by yourself. Do not touch the internal parts that become exposed as the result of external force.
- Do not leave the lens where it will be exposed to high temperatures, such as in direct sunlight and an enclosed vehicle. Excessive heat may deform the glass elements and other parts of the lens.
- Whether it is attached to the camera or not, do not leave the lens under the sun without the lens cap attached. This is to prevent the lens from concentrating the sun's rays, which could cause a fire.
- Do not place the sun in the frame center when shooting with backlight. Doing so might cause a fire or harm your eyes.
- The camera's built-in flash will cause barrel shadow if used with this lens. For best results, please only use an external flash unit.



## ■ Maintenance Precautions

- Do not touch the surface of the lens directly. Brush off any dust with a blower. Wipe the surface with a cleaning cloth or a lens tissue.
- Try a circular motion from the center outward to remove oil, fingerprints and grime on the lens surface.
- If your lens is brought directly from a cold place to a warm place, condensation may appear on the lens. To avoid this, be sure to take some action to protect the lens.

## Name of each part



## Instructions

### ■ To attach the Lens

Remove the rear lens cap. Align the mounting index ⑧ on the lens bayonet with the mounting index on the camera, and place the lens on the camera mount, then rotate the lens according to the proper direction of the mount type until it locks. Do not use excessive force during installation to avoid damage to the bayonet.

### ■ To remove the lens

Turn the camera off. While pressing and holding the lens release button on the camera, rotate the lens in the reverse direction for attaching the lens until it stops, then detach the lens.

After installing the lens, please try rotating it to make sure it is fixed to the camera.

### ■ Focusing

This is a fully manual lens. Rotate the focus ring ② slowly to get focus.

Turn the focus ring slowly and gently to prevent the focus mechanism from damage.

The distance scale ③ and depth of field scale are for instructional purposes. Actual focus and DOF may slightly differ from those scale indications.

To get precise focus, it is recommended to focus wide open when the camera position is fixed. Get focus first, then set the desired aperture by turning the aperture ring.

Turn on the focus peaking on the camera to help focusing. (Note that the function depends on camera models.)

## ■ Setting the Aperture

Aperture is set through the aperture ring on the lens. It adopts the declicked aperture design, which allows to switch without paragraph sense. According to the shooting environment and the required depth of field, you can turn the aperture ring to select the corresponding aperture. It is recommended to check the aperture value before shooting so as not to change the shooting parameters by mistake.

Since this lens has no CPU data, the aperture values cannot be recorded.

## ■ Focus Peaking

- ① Turn on the Focus Peaking on the camera. Choose the red color or other commonly used colors. Sets the Peaking Level to low.
- ② Check the frame by the viewfinder or [Live View] on the camera and try to get focus by Focus Peaking.
- ③ Rotate the focus ring to achieve precise focus.

## ■ Rear Focus Adjustment

Flange distance may vary slightly on different camera bodies. If there's any offset in the distance, please use the tool included to calibrate the back focus by rotating the adjustment mechanism.



## ■ Horizontal flare

This lens is divided into three versions: blue horizontal flare, amber horizontal flare and silver horizontal flare, which can be used according to actual needs.

## Specifications

LF Nanomorph 42mm T2.9 1.5X Cine	
Format Compatibility	Large Format
Focal Distance	42mm
Aperture Range	T2.9-T22
Horizontal Angle of View	66.5°
Vertical Angle of View	33.8°
Lens Structure	17 elements in 15 groups
Aperture Blades	13
Horizontal Flares	Blue/Amber/Silver
Min. Focusing Distance (Object Image Distance)	50cm
Imaging Coverage	36.7*25.54mm
Image Circle Diameter	46.5mm
Focus Mode	Manual (MF)
Focus Throw	270°
Aperture Throw	67.8°
Filter Thread	Ø77mm
Front diameter	Ø80mm
Dimensions	E:Ø86.4m*129mm PL:Ø86.4m*121mm
Weight	About1030g(Without front cap, rear cap and lens hood)
Mounts	PL (Complimentary EF bayonet)
Replaceable bayonet	E、R、Z、L、DL

