S35 Nanomorph 50-100mm T2.9
1.5X Anamorphic

使用手册
Instruction Manual

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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 老蛙

Preface

Thank you very much for purchasing S35 Nanomorph 50-100mm T2.9 1.5X Anamorphic S35 format cinema lens! In order to fully understand the usage and precautions of this product, please read this manual carefully before use.

⚠ *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.It is a S35 format T2.9 constant aperture zoom anamorphic wide screen cinema lens with 2X zoom ratio and a zoom range of 50mm to 100mm.
- 2.The lens is capable of shooting wide-format video in 16:9 shooting mode and can achieve a 2.4:1 cinema wide screen ratio. 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.
- 3.Perfect parfocalization
  After the focus, the focus position will always be the same in the zoom process. When shooting movies, the focus puller does not need to refocus if zoom is needed, which can improve shooting efficiency.
- 4.Approximate zero breathing effect
  Different from regular lenses, this lens does not change the angle of view significantly in the process of focusing and therefore does not make the image unstable. It has approximate zero breathing effect.
- 5.T2.9 constant fast aperture
  This lens adopts T2.9 fast aperture design. In the low illumination environment, using a fast aperture can maintain purity of the image and improve image quality.

Precautions

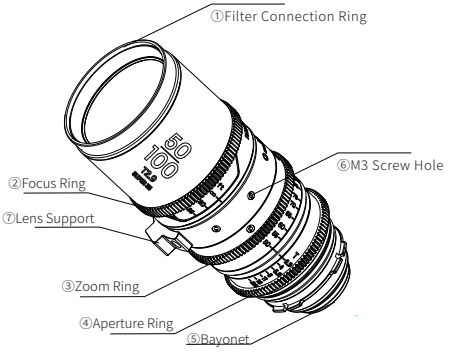
⚠ Safety Precautions

- 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.

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



To attach the Lens

Remove the rear lens cap. Align the mounting index ⑥ 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 installation method of the mount type until it is locked with a click. Do not use excessive force during installation to avoid damage to the bayonet. For the PL bayonet, use the bayonet locking ring to lock.

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. For the PL bayonet, release the bayonet locking ring and then detach the lens.
After installing the lens, try rotating it to make sure it is fixed to the camera.

Focusing

This is a fully manual focus lens. Rotate the focus ring slowly to get focus.
Turn the focus ring slowly and gently to prevent the focus mechanism from damage.

Zooming

Rotate the zoom ring manually or with a follow focus until zooming is completed.
Do not rotate the zoom ring too fast or too hard to avoid excessive damage to it.

Setting the Aperture

Aperture is set through the aperture ring on the lens. According to the shooting situation and the desired depth of field, rotate the aperture ring on the lens to the corresponding aperture.
Since the lens has no CPU data, the aperture value can not be recorded.

Rear Focus Adjustment

1. Turn the focus ring to infinity and test whether the lens is accurately focused.
2. For the PL mount version lens, detach the bayonet decorative ring. As shown in the figure, there are three screw holes (one on the back). Loosen the screws in the screw holes and rotate. After that, observe the image and adjust to get focus. Then tighten the screws.

Parfocalization Adjustment Method

1.Adjust the focal length of the lens to the 100mm end.
2.Turn the focus scale to infinity and aim at infinity to see if the lens is focused clearly. If it is focused clearly, parfocalization does not need to be adjusted. If the scale is at infinity and the lens is not focused clearly, parfocalization adjustment is needed.
3.Manually detach the rear decorative ring in counterclockwise direction.
4.Remove all the screws from the bayonet using a Phillips screwdriver.
5.Adjust the focal length at the 100mm end. Then, add or remove the shims (the matching shims are included in the package). Attach the bayonet on the camera and test the lens until it can focus at infinity. Keep the focus handwheel still, then zoom to the 50mm end to make sure the focus is clear. If the scale of the focus handwheel at the focus position of the 50 focal length is smaller than that at the focus position of the 100 focal length, bayonet shims need to be added. Otherwise, the bayonet shims should be reduced. Parfocalization adjustment is completed when the scales of the focus handwheel at the focal position of the 50 focal length and the 100 focal length are the same.

Specifications

S35 Nanomorph 50-100mm T2.9 1.5X Anamorphic	
Format Compatibility	S35
Focal Length	50-100mm
Aperture Range	T2.9-22
Angle of View	33.6°-17.2°
Lens Structure	20 elements in 14 groups
Aperture Blades	11
Focus Throw	270°
Aperture Throw	41°
Focus Scale	Foot/Meter
Min. Focusing Distance (Object Image Distance)	80cm
Focus Mode	Manual (MF)
Follow Focus Pitch	0.8m
Filter Thread	ϕ77mm
Dimensions	ϕ84.8mm*186.5mm
Weight	About 1440g (without front lens cap and rear lens cap)
Mounts	PL