LAOWA S35 Nanomorph 60mm T2.9
1.5X Anamorphic Macro 1:2

使用手册
Instruction Manual

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LAOWA 老蛙

Preface

Thank you for purchasing LAOWA S35 Nanomorph 60mm T2.9 1.5X Anamorphic Macro 1:2. This lens is an anamorphic lens for the Super35 system, which a 2.4:1 cinema widescreen and 0.5X magnification can be achieved. 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.*

Features

- 1. A 2.4:1 cinematic widescreen ratio can be achieved in a 16:9 sensor after de-squeeze.
- 2. With a magnification of 0.5X, it is suitable for shooting macro subjects.
- 3. The maximum t-stop is T2.9, 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/sliver horizontal flares which bring cinematic touch to the images.
- 5. The lens consists of 20 lenses in 14 groups, which can bring high-quality imaging. The lens is built to be fully metal, which ensures the durability of the lens for long-term use.

Precautions

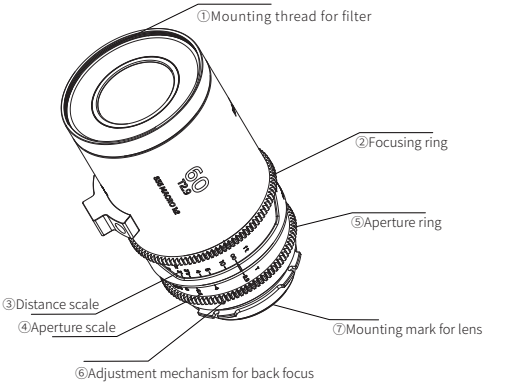
⚠ Safety Precautions

- 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



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.

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, try rotating it to make sure it is fixed to 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).

Setting the Aperture

The aperture is adjusted on the lens body. A stepless aperture design is adopted. The aperture switching is with no paragraphed 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.

Focus Peaking

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.

Rear Focus Adjustment

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 flare

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

Specifications

S35 Nanomorph 60mm T2.9 1.5X Anamorphic Macro 1:2	
Format	S35
Focal length	60mm
Aperture range	T2.9-T22
Horizontal angle of view	35.5°
Vertical angle of view	15.2°
Lens structure	20 elements in 14 groups
Aperture blade	13
Horizontal Flare	Blue/Amber/Sliver
Minimum shooting distance	24cm
Image circle	25.6*16mm
Focus mode	Manual focusing (MF)
Focus throw	Approximately 270°
Filter thread	Ø77mm
Front diameter	Ø80mm
Dimensions	Ø84m*144mm
Weight	About 1000g(without front and rear cap,Lens hood)
Mount	PL(Free EF mount kit)