LAOWA Proteus 45mm T2.0
2X Anamorphic变形宽荧幕镜头

使用手册
Instruction Manual

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LAOWA 老蛙

Preface

Thank you very much for purchasing LAOWA Proteus 45mm T2.0 2X Anamorphic widescreen movie lens. This lens is an anamorphic widescreen lens for the S35 format system, with an aspect ratio of 4:3 in the early stages of shooting and an aspect ratio of 8:3 in the later stages of stretching to twice the size, which is approximately 2.66:1. It 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 is capable of shooting wide video in 4:3 shooting mode and can achieve a 2.66:1 wide effect.
- 2.The lens adopts a specialized design with the size of ø119.6*182mm and the weight of 2.4 kg.
- 3.The maximum aperture is T2.0, 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, you can use a lower sensitivity 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 14 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

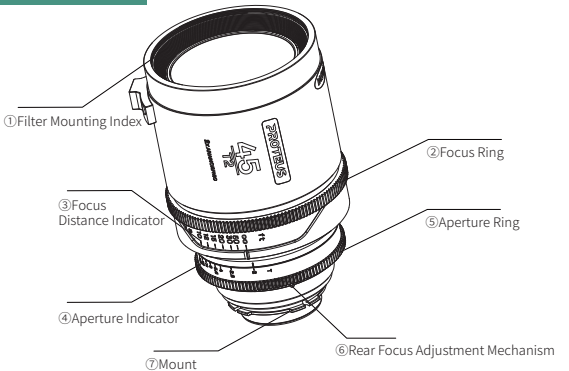
⚠ Safety Precautions

- Do not disassemble, modify, 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

- 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 mount⑦ 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 focusing 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

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

Rear Focus Adjustment

The flange distance of different movie machines may vary slightly. If the focal distance is shifted, please use an Allen screwdriver to loosen the three screws at the end of the lens (as shown) and adjust the rear 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. The horizontal flare is shown in the figure.

Specifications

Proteus 45mm T2.0 2X Anamorphic	
Focal Distance	45mm
Aperture Range	T2.0 --T22
Angle of View	59.9°x27°
Image Circle Diameter	25.92x21.6mm
Squeeze Ratio	2X
Lens Structure	17 elements in 14 groups
Aperture Blades	10
Flange Distance	PL=52mm EF=44mm
Focus Throw	300°
Aperture Throw	60°
Focus Indicator	Foot/Meter
Min. Focusing Distance	0.55m
Focus Mode	Manual (MF)
Follow Focus Pitch	0.8m
Front Filter Thread	ø105
Dimensions	ø119.6*182mm
Weight	2.4kg
Mounts	PL (Interchangeable EF bayonet is presented)