S35 Ranger 50-130mm T2.9

使用手册
Instruction Manual

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LAOWA 老蛙

Preface

Thank you very much for purchasing S35 Ranger 50-130mm T2.9 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 cinema lens with 2.6X zoom ratio and a zoom range of 50mm to 130mm.
- 2.Perfect Parfocalization
  After focusing, 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.
- 3.Approximate Zero Focus Breathing Effect
  Different from general 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 focus breathing effect.
- 4.T2.9 Constant Fast Aperture
  This lens adopts T2.9 fast aperture design. In the low light environment, using a fast aperture can maintain purity of the image and improve image quality.

Precautions

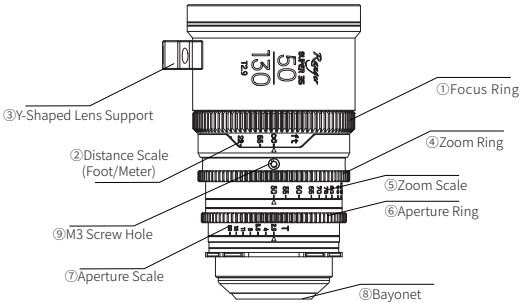
⚠ Safety Precautions

- 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



Instructions

To attach the Lens

Remove the rear lens cap. Align the mounting index on the lens bayonet ⑧ 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 lens, a bayonet locking ring is needed to lock it.

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 lens, 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 lens. Rotate the focus ring slowly to get focus. Turn the focus ring slowly and gently to prevent the focus mechanism from damage.

Zooming

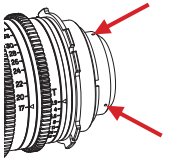
Rotate the zoom ring manually or with a follow focus until zooming is completed.
Do not rotate the zoom ring too fast or too hard to avoid excessive damage to it.

Bayonet Switching Mode

1. Rotate the zoom ring of the lens to the 130mm end.
2. Rotate counterclockwise to remove the rear decorative ring.
3. Use the included Phillips screwdriver to remove all 4 screws at the bayonet.
4. Install the required bayonet (EF bayonet) and use a Phillips screwdriver to tighten all 4 screws at the bayonet.
5. Rotate clockwise to tighten the rear decorative ring.

Rear Focus Adjustment Mode

1. Turn the focusing ring to the infinity (∞) scale to test whether the lens is accurately focused.
2.For the PL bayonet lens, the bayonet decorative ring needs to be detached. As shown in the figure, there are 3 screw holes. Loosen the screws in the screw holes to rotate. During the rotation process, observe the image and adjust the lens to get focus.



Parfocalization Adjustment Method

1.Adjust the focal length of the lens to the 130mm end.
2.Turn the focus scale to infinity and aim at infinity to see if the lens is focusing clearly. If it is focusing clearly, parfocalization does not need to be adjusted. If the scale is at infinity and the lens is not focusing clearly, parfocalization adjustment is needed.
3.Manually detach the rear decorative ring in counterclockwise direction.
4.Remove all 4 screws at the bayonet using a Phillips screwdriver.
5.Adjust the focal length at the 130mm end. Then, add or remove the shims (the matching shims are included in the package). Attach the bayonet and adjust the lens on the camera until the lens 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 130 focal length, bayonet shims need to be added. Otherwise, the bayonet shims should be reduced. Parfocalization adjustment is completed when the scale of the focus handwheel at the focal position of the 50 focal length and the 130 focal length are the same.

Specifications

S35 Ranger 50-130mm T2.9	
Format Compatibility	S35
Image Field Diameter	ϕ31.5mm
Focal Length	50-130mm
Aperture Range	T2.9-22
Angle of View	32.2°-12.7°
Lens Structure	17 elements in 13 groups
Aperture Blades	11
Focus Throw	270°
Aperture Throw	42°
Focus Scale	Foot/Meter
Min. Focusing Distance (Object Image Distance)	75cm
Max. Magnification	0.18
Focus Mode	Manual (MF)
Follow Focus Pitch	M0.8
Filter Thread	Φ77mm
Dimensions	Ø135.9mm*80mm
Weight	About 760g (without front and rear lens caps)
Mounts	PL/EF/E/R/X/L