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FF Ranger 16-30mm T2.9

使用手册

Instruction Manual

LAOWA 老蛙


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to the final interpretation of the *Instruction Manual*.



Preface

Sincerely thank you for choosing the FF Ranger 16-30mm T2.9 full-frame cinema lens. Please read this Instruction Manual carefully before using the lens to fully understand its application methods and precautions.



 *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 full-frame T2.9 constant aperture zoom cinema lens with 1.8 X zoom ratio and a zoom range of 16mm to 30mm.
- 2.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.
- 3.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.
- 4.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

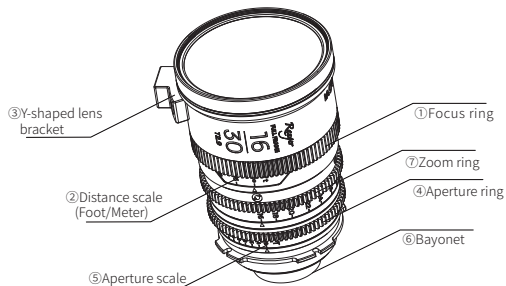
■ △ Safety Precautions

- 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



Instructions

■ 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.

■ Parfocalization Adjustment Method

1. Install the lens on the projector.
2. Adjust the focus ring at infinity, maximum aperture, and longest focal length.
3. Aim at the object (building) at infinity, focus the image on the screen, magnify the center focus, and observe whether it is in focus. If it is not in focus, proceed to the next step.
4. The actual focus distance (mark: S_2) is closer than the lens distance scale (mark: S_1), that is, $S_2 < S_1$ requires adding shims, otherwise ($S_2 > S_1$) requires reducing shims.

Specifications

FF Ranger 16-30mm T2.9	
Format Compatibility	Full Frame
Focal Length	16-30mm
Aperture Range	T2.9 --T22
Angle of View	71.6°-107°
Zoom Ratio	1.875X
Image field Diameter	43.2mm
Lens Structure	18 elements in 12 groups
Aperture Blades	11
Flange Focal Distance	PL=52mm EF= 44mm
Focus Throw	100°
Aperture Throw	42°
Zoom Throw	100°
Focus Scale	Foot/Meter
Min. Focusing Distance	0.33M/1ft
Max. Magnification	0.145x
Focus Mode	Manual (MF)
Follow Focus Pitch	M0.8
Filter Thread	Φ77mm
Front diameter	Φ80mm
Dimensions	About Φ80mm*107.4mm
Weight	About 800g (Without front lens cap and rear lens cap)
Mounts	PL(Free component for EF mount)

