

LAOWA 105mm F2.0 (T3.2) Smooth Trans Focus

(STF) Medium Telephoto Lens

(Canon EF / Nikon AI /
Sony A / Sony FE & Pentax K mounts available)

Instruction
Manual



微信公众号

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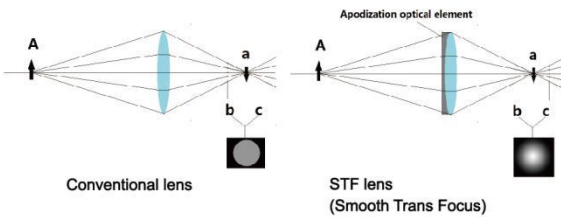
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Features

- 1/ LAOWA 105mm F2.0 (T3.2) STF Lens is designed specifically for DSLR Cameras with Full Frame camera sensor. A piece of apodization element has been inserted next to the aperture diaphragm to converge the light towards the center of the lens and reduce the amount of light gradually towards the periphery (Refers to below image). This STF design produces images with crystal sharpness at the plane of focus and at the same time, gradually melting away to form a soft, natural and beautifully diffused out of focus rendition. The bokeh formed is smooth and aesthetically pleasing with limited astigmatism.



Features

- 2/ In order to achieve an outstanding image quality during infinity focus and close distance, a system of two floating lens groups has been used. This system effectively reduces the decrease in resolution during focusing and delivers superb performance in any focusing distance.
- 3/ The enclosures and internal structural components are all made of metal to strengthen the durability.
- 4/ A dual aperture system has been adopted. The Tno aperture ring is to control the amount of light transmittance while the Fno aperture ring refers to the effective aperture opening and determines the depth-of-field produced.
- 5/ Every element has been coated with multi-layer of low reflectance coatings to eliminate the flare and ghosting.

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Thank you very much for purchasing the Laowa 105mm F2.0 (T3.2) STF Lens. Please read this instruction manual before use for the best experience with the lens.



Cautions

△ Safety Precautions

- Do not expose the lens and camera under direct sunlight to avoid causing injury to human eyes or destroying the CCD/CMOS of the camera.
- Put on the lens cap when the lens is not in use.

Cautions

△ Usage Precautions

- The glass elements are subject to forming moisture under drastic change of temperature/humidity. Store in a dry environment when the lens is not in use.
- Avoid exposing to direct sunlight. High temperature will cause the deformation of the glasses and other components inside the lens.

Names of Parts



Direction for use

• 1/ Installation of the lens

Select the suitable mounts for your cameras and refer to the lens installation of your respective camera.

• 2/ Focusing operation

This is a completely manual lens. To focus on an object, slowly turn the focusing ring until the image in the viewfinder/screen becomes sharp. Do not turn the ring with great force to prevent damaging the focusing components.

• 3/ Operation of the diaphragms

Operation of the Tno aperture ring

Fix the Fno aperture ring to F2.0 and turn the Tno aperture ring to get the true value of light transmittance during video shooting. Take special notice that both rings should not be used together.

Operation of the Fno aperture ring

Fix the Tno aperture ring at T3.2 and turn the Fno aperture ring to determine the optimal depth of field. Take special notice that both rings should not be used together.

• 4/ Product Specification

Lens Description	STF 105mmF2.0 (T3.2)
Focal Length	105mm
Maximum Aperture (Fno)	F/2.0
Maximum Aperture (Tno)	T/3.2
Angle of View	23°16"
Elements/ Groups	11/8 (High Refractive Index Element x 1pc, Low Dispersion Element x 3pcs, Apodization Element x 1pc)
Aperture Blades	F-stop: 9 T-stop: 14
Minimum Aperture	F/22
Minimum Focus Distance	0.9M
Maximum Reproduction Ratio	0.16x
Focusing	Manual Focus
Filter Thread	Φ67
Dimensions(DxL)	Φ76×98.9mm
Weight	About 745g

