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LAOWA 15mm T2.1 Zero-D Cine

使用手册

Instruction Manual

LAOWA 老蛙

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本公司保留对此《使用说明》的最终解释权。

Please note we reserve the right to change our product's
design and specifications at any time without notice and
to the final interpretation of the *Instruction Manual*.



前言

真诚地感谢您选购LAOWA 15mm T2.1 Zero-D Cine镜头!为了让您充分理解本产品的使用方法和注意事项,请您在使用前仔细阅读本说明书。



△ 为了操作上的安全,使用本产品前请务必详细阅读使用手册与注意事项,并将手册放在需要时容易取得的地方。如遇到不能解决的问题请拨打售后电话获取技术支持。

主要特色

- LAOWA 15mm T2.1 Zero-D Cine全画幅E 卡口电影镜头采用了2枚双面非球面玻璃,具备了高性能、近似零畸变、小巧轻便的特色和优势。
- 为解决超广角大光圈带来的色散问题,此镜头采用了3枚异常分散玻璃(ED glass),极大的降低了色散像差。
- 此款镜头的机械结构全部采用金属材质,有效保障了镜头的组装精度,大幅提升了镜头的耐用性。
- 镜头前端第一片玻璃采用了FEC (Frog Eye Coating)蛙眼仿生防水镀膜技术,水滴、脏物、油污不易附着。每块镜片均采用低反射多层镀膜工艺,尽可能地消除了鬼影和炫光。

注意事项

△ 安全注意事项

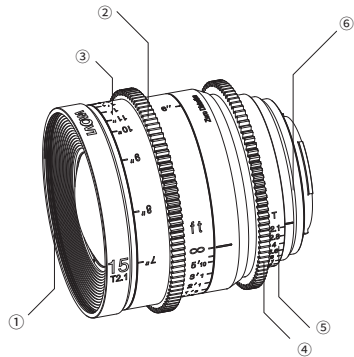
- 使用本镜头拍摄时, 请避免将镜头直接对着太阳和强光, 以防灼伤眼睛或者烧坏相机的CCD/CMOS。
- 在太阳或者强光下, 不使用镜头或者安装好镜头的相机时, 最好将镜头盖子盖好, 以防磨损镜头或灼伤CCD/CMOS甚至引发火灾。
使用注意事项
- 镜头从寒冷的环境突然转移到温暖的环境时, 镜头的外部以及内部镜片将会凝结水雾, 所以请做好防水、防潮保护。
- 防止强光直接照射、暴晒, 过高的温度会使镜片和个别部件伸缩变形, 出现预想不到的故障。

注意事项

长期使用保养注意事项

- 避免触摸镜头表面,应用专用镜头布或气吹去除镜头表面的尘埃,不使用镜头时,应将镜头盖盖上。
- 使用镜头纸或镜头布清洁时,以螺旋的方式从中间向外擦拭镜头上的污垢以及指印。
- 镜头从寒冷的环境突然转移至温暖的环境时,镜头的外部以及内部镜片将会凝结水雾,所以在转移时应采取防潮保护措施。

各部件名称



①滤光镜安装螺纹 ③距离刻度

⑤光圈刻度

②对焦环

④光圈环

⑥镜头安装标记

■ 镜头的装卸

请选择对应此款镜头卡口 (E卡口) 的电影机, 安装时将此镜头卡口上红色标记点对齐相机上卡口专用标记点, 然后旋转镜头, 当听到轻轻的咔嚓声, 说明卡口固定销已经入槽, 此时镜头安装完毕。

■ 对焦方式

此款镜头是全手动对焦镜头, 合焦时, 缓慢旋转对焦环, 不要过猛过快地旋转对焦环, 避免用力过猛损坏对焦环部件。



规格表

LAOWA 15mm T2.1 Zero-D Cine	
镜头型号	LAOWA 15mm T2.1 Zero-D Cine
画幅	全画幅
焦点距离	15mm
T-stop范围	2.1-22
镜头结构	9组12片
光阑叶片	5片
最近摄影距离(物像距离)	15cm
成像覆盖范围	ø43.3mm
最大视场角	110°
前端直径	ø80mm
镜头尺寸	ø84.8mm* 91.2mm
重量	540g
卡口	E

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PREFACE

Thank you for purchasing LAOWA 15mm T2.1 Zero-D Cine Lens. Please read the instructions carefully before use to familiarize yourself with the lens thoroughly.



⚠ In order to ensure the safety of operation, please read the User's Manual and Precautions carefully before using this product, and put the Manual in a place that is easily accessible when needed. If you encounter any problem that cannot be solved, please call after-sales for technical support.

FEATURES

- LAOWA 15mm T2.1 Zero-D Cine Lens is a mirrorless interchangeable lens designed for Sony Mirrorless Cameras. Special double-sided aspherical glass elements are incorporated into the extremely compact lens which can provide remarkable optical performance and close-to-zero distortion.
- Three pieces of ED (Extra-low Dispersion) glass elements are included to achieve apochromatic effect.
- All-metal mechanical construction ensures lens' high assembly precision and long-lasting durability.
- The Frog Eye Water-repellent Coating, known as 'FEC' , applied to the first glass of the lens front element surface contributes to protecting against water droplets, smudges and oil. Multi-layer anti-reflection (AR) Coating applied to every lens element is designed to eliminate ghosting and flare as possible.

PRECAUTIONS

⚠ Safety Precautions

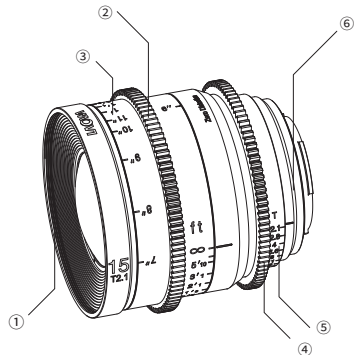
- Do not disassemble or modify the lens by yourself. If it is damaged by external force, do not touch any exposed part of the lens.
- Don't expose the lens to excessive heat such as direct sunshine or a parked car as this may deform the lens elements and other mechanisms.
- Keep the lens cap attached or place the lens in a place where there is no sunlight when storing. The light reflected by the convex lens gathering on a nearby object can 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.
- When shooting with the camera's built-in flash, the lens itself may block light and cause vignetting, an external flash is recommended in such a case.

PRECAUTIONS

■ Maintenance Precautions

- Avoid touching the lens surface. Remove the dust on the lens surface with a lens cloth or a blower. Keep the lens cap attached.
- Using a circular motion with a lens tissue or cleaning cloth, gently remove oil, fingerprints, and grime from the lens surface, working from the center outward.
- If the lens is taken from a cold environment into a warm one, condensation may develop on the lens surface and internal parts. To prevent condensation in this case, please take measures to protect against moisture before moving the lens.

NOMENCLATURE



- ① : Filter thread ② : Focusing ring ③ : Distance scale
④ : Aperture ring ⑤ : Aperture scale ⑥ : Lens mounting index

INSTRUCTIONS

■ Mounting and Detaching the Lens

Select the corresponding Sony mirrorless cameras as LAOWA 15mm F2.0 ZERO-D is a Sony E-mount only lens. Align the mount index between the lens and camera mounting and rotate the lens into the camera until you hear a click that tells you the lens is locked into place.

■ Focusing

This is a manual focus only lens. Please turn the focus ring gently to prevent the focus mechanism from damage



SPECIFICATIONS

LAOWA 15mm T2.1 Zero-D Cine	
Model	LAOWA 15mm T2.1 Zero-D Cine
Format	Full Frame
Focal Length	15mm
T-stop	2.1-22
Lens Structure	12 elements in 9 groups
Aperture Blades	5
Min. Focusing Distance	15cm
Image Coverage	ø43.3mm
Maximum angle of view	110°
Front Diameter	ø80mm
Dimensions	ø84.8mm*91.2mm
Weight	540g
Mounts	E

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