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LAOWA MFT 17mm T1.9 Cine

使用手册

Instruction Manual

LAOWA 老蛙

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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 MFT 17mm T1.9 Cine 广角镜头。此镜头是MFT系统下的广角镜头,采用迷你化设计,轻便小巧。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通过售后电话获取技术支持。

主要特色

- 1、镜头采取迷你化设计,大小仅有 $\phi 56\text{mm} \times 53\text{mm}$,重量175g,搭配在M43画幅机身上使用,体积小巧,轻便携带。
- 2、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。
- 内部有7组9片镜片,包含1枚异常分散玻璃的结构带来的高素质成像。

注意事项

△ 安全注意事项

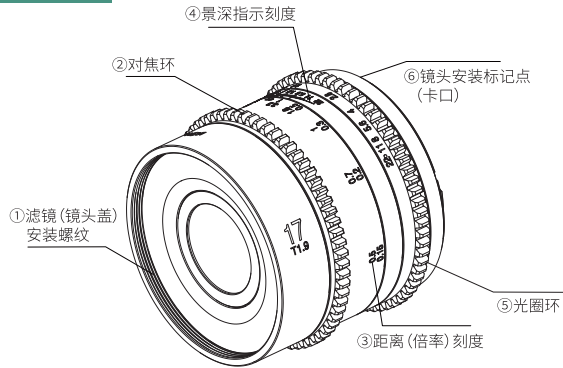
- 切勿自行拆解、修改或改装。当产品由于外力原因破损,切勿触碰外露部分或破损边缘处。
- 切勿放置于直射阳光下、封闭车辆中或其余高温处,否则过高的温度会使镜片和其他部件产生伸缩变形。
- 不使用镜头时,请将镜头前盖盖上或置于没有阳光照射处。凸透镜反射出的光线可能会聚集在附近物体上,导致发生火灾。
- 在逆光拍摄时,切勿将太阳置于画面中心,应该使太阳充分偏离画角,否则阳光会在相机内部聚集并导致火灾或灼伤眼睛。
- 在使用相机内置闪光灯拍摄时,由于镜头本身会遮挡光线而产生渐晕,因此建议您使用外设闪光灯拍摄。

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



■ 镜头安装

取下镜头后盖。将镜头卡口上的安装标记⑥对准相机座圈上的对应标记,随后将镜头插入机身座圈,根据所购买卡口的安装方向旋转镜头,直至咔嚓声锁紧镜头。安装时请不要用力过猛,以免导致卡口损伤。

■ 镜头拆卸

关机后按住相机上的镜头释放按钮,依照所购买卡口的安装方向反向旋转镜头,随后将镜头从座圈中拔出。
装上镜头后,请尝试旋转镜头确认是否已将其固定在相机上。

■ 对焦

- 此款镜头是全手动对焦镜头,合焦时,缓慢旋转对焦环②,直至合焦。

不要过猛过快地旋转对焦环,避免用力过度损坏对焦环部件。

镜头上的距离刻度③与景深刻度④是出于指导目的。实际焦点与最深可能同刻度标记稍有不同。

如需要非常精确的对焦,请在固定好相机位置的情况下使用最大光圈对焦,对焦完成后再旋至所需要的光圈值。

为了对焦的方便性,请开启相机内的峰值对焦功能(视所使用相机功能而定)。

■ 光圈使用

- 光圈在镜头上调节,根据拍摄环境和与所需要的景深,转动光圈环⑤来选择对应的光圈。
由于此镜头无CPU数据,无法记录光圈参数。

对焦方法一

■ 预先估算对焦距离后再进行对焦

- 1、预估对焦距离,随后转动对焦环至所需的距离刻度。
- 2、通过取景器或开启Live View (实时取景) 功能观察画面,并旋转对焦环进行对焦。
- 3、转动对焦环对物体进行精确对焦。

对焦方法二

■ 放大对焦

- 先构定拍摄画面 在通过取景器或开启Live View (实时取景) 功能观察画面的同时,转动对焦环,构定拍摄画面后,进行方法一的②、③步骤。

在进行高放大倍率拍摄时,镜头的工作距离非常短,容易碰到拍摄物体,请小心拍摄。

放大倍率是指记录在传感器或胶片上的图像尺寸大小与拍摄物体的实际尺寸大小之间的比例关系。

规格表

LAOWA MFT 17mm T1.9 Cine	
画幅	MFT
焦点距离	17mm
T值范围	T1.9-22
视场角	65°
镜头结构	7组9片 (ED镜片1枚)
光阑叶片	7片
最近摄影距离 (物像距离)	15cm
最大放大倍率	0.2 倍
合焦驱动方式	手动 (MF)
滤镜尺寸	Φ49mm
镜头尺寸	约φ56mm*53mm
重量	约175g (不含前后盖)
卡口	M43



Preface

Thank you sincerely for purchasing LAOWA MFT 17mm T1.9 Cine wide lens. It is MFT system wide lens. The lens adopts compact design and makes it tiny size and portable. In order to you can get fully understanding on product usage method and precautions, please read the manual carefully before you use.



For safe operation, please read the manual and precautions carefully before you use the product, and place the manual where it is easy to obtain whenever required. If you have any unsolved problem please contact with our after-sales service team for further technical support.

Features

- 1.The lens adopts mini design,and the size is only $\phi 56\text{mm} \times 53\text{mm}$, weighing 175g, which matches with M43 frame camera make it tiny size and portable.
- 2.The mechanical structure made of 100% metal materials effectively guarantee the lens assembly accuracy and ensure the long-term durability of the lens.
- 3.There are 7 groups of 9 lenses inside, including 1 ED(Extra low Dispersion) lens structure which can take high-quality image .

Precautions

■ △ Safety Precautions

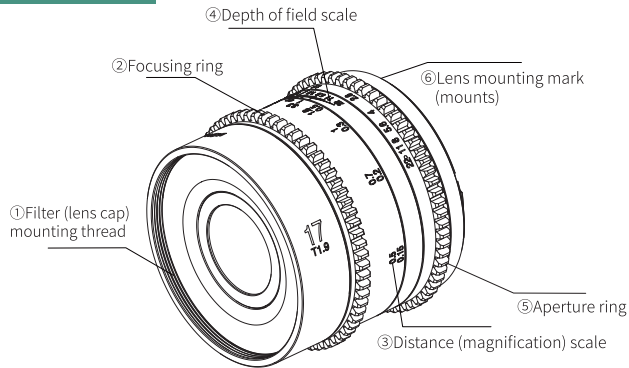
- Do not disassemble, modify the lens by yourself. When the product is damaged due to external force, do not touch the exposed part or damaged edge.
- Do not leave the lens exposed to sunlight and closed vehicle or other high temperature places, otherwise excessive heat may deform the glass elements and other parts of the lens.
- When you do not use the lens, please cover front cap or leave it in a shade place, convex lens reflects light may be gathered on near objects and causes a fire.
- Do not place the sun in the frame center when shooting with backlight, you should make the sun deviates from the center to the corner, otherwise sunlight will be gathered in the camera and cause
- The camera's built-in flash will cause vignetting because the lens shelters light. It is recommended you use external flash. a fire or burn your eyes.

Precautions

■ Long-term maintenance and precautions

- Do not touch the lens contacts. Clean by a lens cloth or a blower to remove the lens dirt. Always place the lens cap on the lens when storing.
- When you use lens paper or lens cloth to clean, remove the dirt and fingerprints on the lens from the middle to the outside in a spiral way.
- When the lens is suddenly transferred from a cold environment to a warm environment, the external and internal lenses will condense water mist, so moisture-proof protection measures should be taken during the transfer.

Nomenclature



Instructions

■ To install the Lens

Remove the rear lens cap. Align the mounting mark⑥on the lens bayonet with the mounting mark on the camera seat ring, then insert the lens into the camera seat ring and rotate it in the direction for your lens version 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 the lens release button on the camera, rotate the lens in the opposite direction , then detach the lens from seat ring .

After installation of the lens, please try to rotate the lens to make sure it mounted onto the camera properly.

■ Focusing

This is a fully manual focusing lens. In-focus rotate the focusing ring ②slowly until to the end.

Turn the focus ring slowly and gently to prevent the focusing mechanism from damage.

The distance scale③and depth of field scale④are for instructional purposes only. Actual focus and depth of field may slightly differ from those scale indications.

To get precise focusing, it is recommended to focus through max aperture when the camera position is fixed. After finish focusing, then set the desired aperture by rotating the aperture ring.

For the focusing convenience, please turn on peak focusing function on the camera (Note that the function depends on camera models.)

■ Setting the Aperture

Aperture is adjusted through the lens. According to the shooting situation and desired depth of field, rotate the aperture ring⑤to the corresponding aperture.

Since the lens has no CPU data, the aperture value can not be recorded.

Focusing Methods

■ Method 1 Estimate focusing distance firstly,then to start focusing.

- ①Estimate focus distance firstly, and then rotate the focusing ring to the desired distance scale.
- ②Observe the image by viewfinder or [Live View] on the camera and rotate focusing ring to start focusing.
- ③Rotate the focusing ring to achieve precise focusing.

■ Method 2 Focus Magnification

- Set the frame firstly,then through viewfinder or [Live View] to observe the image,at the same time to rotate focusing ring.After constructing the shooting picture then make focusing method 1 ②、③step.

For high magnification shooting, because of extremely short working distance of the lens, it is very easy to touch the objects,please be careful .

Magnification refers to the proportional relationship between the size of an image recorded on a sensor or film to the actual size of the object.

Specifications

LAOWA MFT 17mm T1.9 Cine	
Format	MFT
Focal Distance	17mm
Aperture Range	T1.9-22
Angle of View	65°
Lens Structure	seven groups 9PCS(1PCS ED lens)
Aperture Blades	7
Min. Shooting Distance	15cm
Max. Magnification	0.2X
Focusing	manual (MF)
Filter Thread	Φ49mm
Dimensions	aboutΦ56mm*53mm
Weight	about 175g (exclude front and back caps)
Mounts	M43

The LAOWA logo is displayed in a bold, teal-colored, sans-serif typeface. The letters are closely spaced, with the 'O' being a simple circle. The overall style is modern and clean.