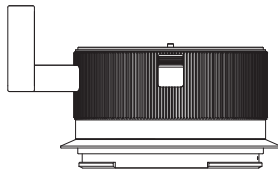
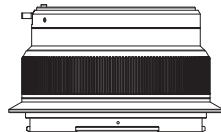




Thank you very much for purchasing LAOWA Magic Format Converter (MFC).
Please read this manual thoroughly before use to familiarize yourself
with the lens.

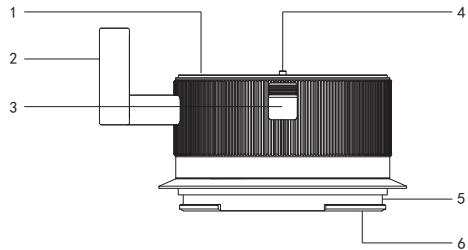


MFC EF-G Mount



MFC F-G Mount

各部件名称

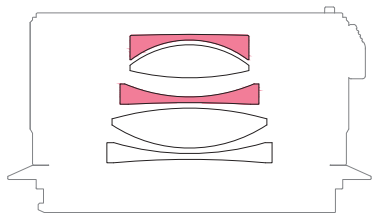


MFC EF-G Mount

- | | | |
|--------|----------|----------|
| 1.镜头座圈 | 2.脚架连接底座 | 3.镜头释放拨杆 |
| 4.镜头锁销 | 5.接环安装标记 | 6.G卡口 |



光学结构图

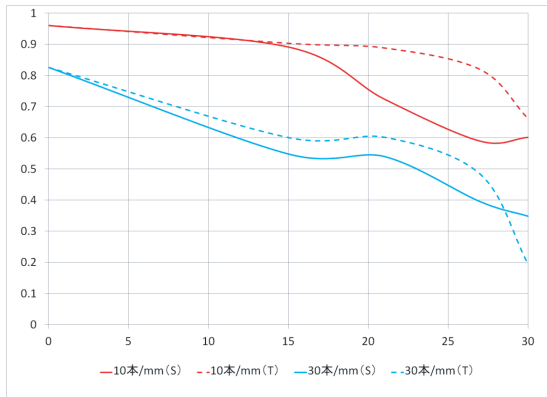


● 超高折射率玻璃

4) Comprising 5 elements in 4 groups, LAOWA MFC adopts 2 pcs of Extra Refractive Index to achieve superior aberration correction within an extremely compact body.

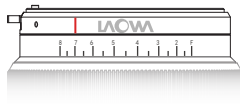
5) All-metal construction greatly ensures the lens' high assembly precision and long-lasting durability. The well built lens feels solid with strong texture on metal.

MTF性能图



APERTURE LINKAGE *

The F-mount MFC features an aperture ring with 8-stop manual aperture. When used with manual aperture lenses, like Nikon D-series, set the lens' aperture to "8" and then refer to the aperture on the lens. When used with auto aperture lenses, like Nikon G-series, as the lens will always have its aperture wide open, so please just refer to the aperture on the MFC. Position "F" stands for the widest aperture. Turn the aperture towards "8" is for step-by-step stop down.



* LAOWA Magic Shift Converter (F-mount)

使用说明

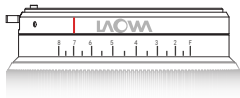
安装方法

- 从相机取下机身盖，从接环取下后盖。将接环和相机上的标记对齐，把接环置于相机上，然后顺时针旋转接环直至其咔嗒一声卡入正确位置。
- 从接环上取下前盖，从镜头上取下后盖。将镜头和接环上的标记对齐，把镜头置于安装底座上，然后顺时针（佳能）或逆时针（尼康）旋转镜头直至其咔嗒一声卡入正确位置。

光圈联动*

尼康转接环带有光圈手轮，八级光圈可手动调节，使用可手动光圈镜头时(如尼康D系列镜头)，把转接环上的光圈手轮拧至“8”，此时的光圈以镜头上的光圈为准。使用自动光圈镜头时(如尼康G系列镜头)，镜头默认最大光圈，此时以转接环上的光圈档位为准，“F”处为最大，往“8”方向旋转，光圈逐级缩小。

*基于MFC尼康版本



Handling Precautions

- When the lens is taken from a cold environment into a warm one, condensation may develop on the surface and internal parts of the lens. Do not leave the lens in conditions where drastic temperature changes can occur and keep it in a dry environment when it is not in use.
- Don't expose the lens to direct sunlight. High temperature caused by long time sunlight exposure can cause the lens to break down and deform the lens elements or other parts.

产品特点

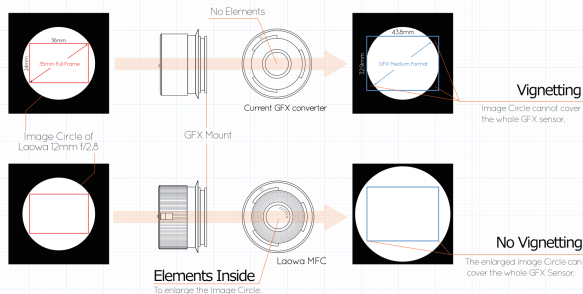
1) LAOWA老蛙 MFC (Magic Format Converter) 充分利用无反相机系统超短法兰距的优势, 采用独特光学系统, 在转接环中加入光学镜组, 成功扩大原有35mm全画幅系统镜头的像场, 使镜头像场得以覆盖富士GFX中画幅 (44x33) 系统相对较大的传感器。

2) 普通富士GFX中画幅相机系统转接全画幅超广角镜头时, 暗角趋于明显。而LAOWA老蛙 MFC (Magic Format Converter) 通过放大像场的原理, 使得富士GFX中画幅系统用户可尽情享受超广角视野, 同时亦无需再为裁剪图像四周多余暗角而烦恼, 因此LAOWA老蛙 MFC (Magic Format Converter) 尤为适用富士GFX中画幅系统的相机转接超广角镜头。

3) 以 LAOWA老蛙 12mm f/2.8 D-Dreamer为例, 经LAOWA老蛙 MFC (Magic Format Converter) 转接富士GFX-50S相机, 镜头从原有的12mm F2.8转化为17mm F4, 基于35mm全画幅系统则获取约13.3mm焦段的等效视角。

Magic Format Converter (MFC)

Adapt your Full Frame lenses onto Fujifilm GFX 50S with **NO** vignetting.



Focal Length: 12mm

Aperture: f/2.8

Angle of View: 122°

on medium format equivalent to

Focal Length: 17mm

Aperture: f/4

Angle of View: 116.3°

Example: LAOWA 12mm f/2.8 Zero-D

产品说明

鉴于全画幅系统像场相对中画幅像场较小，其大多数镜头无法完全覆盖富士GFX中画幅系统传感器，因而不可避免会导致画面严重暗角抑或边缘画质损伤。而现行市场中富士GFX转接环也仅具转接转接作用，不具备其他功能*。LAOWA老蛙MFC(Magic Format Converter)有别于市面上传统的不含光学结构的GFX转接环，其可有效消除广角全画幅镜头转接时产生的画面暗角。

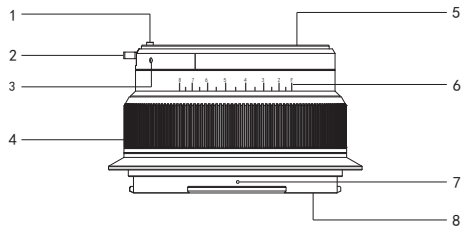
*基于2017年3月长庚光学市场调研数据

SPECIFICATIONS

Model	LAOWA MFC(Magic Format Converter)	
Lens Construction (Elements/Groups)	5/4(High Refractive Index Glass X 2pcs)	
Mount	EF-G	F-G
Dimension (Diameter X Length) (Lens Hood Excluded)	67.5 X 35mm	67.4 X 37mm
Weight (Lens Cap Excluded)	290g	300g

Please take the actual product appearance as standard.

Any product performance and quality are subject to change without notice.



MFC F-G Mount

- | | |
|----------------------------|-------------------------------|
| 1. Lens Locking Pin | 5. Lens Mount Adapter Ring |
| 2. Lens Release Lever | 6. Aperture Adjustment Scale |
| 3. Mounting Index for Lens | 7. Mounting Index for Adapter |
| 4. Aperture Ring | 8. G-Mount |



深入了解老蛙

安徽长庚光学科技有限公司

ANHUI CHANGGENG OPTICS TECHNOLOGY CO.,LTD.

邮箱：sales@laowalens.com

热线：400-066-1316

售后：0551-68100251

传真：0551-68100252

网址：www.laowalens.com

俱乐部：club.laowalens.com

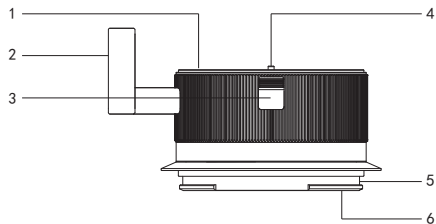
LAOWA老蛙 MFC
Magic Format Converter
魔法画幅增距镜

使用手册

Instruction Manual

LAOWA 老蛙

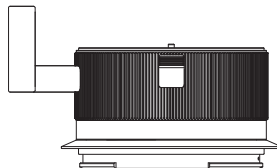
NOMENCLATURE



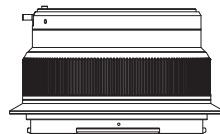
MFC EF-G Mount

- | | |
|-------------------------------|---------------------|
| 1. Lens Mount Adapter Ring | 2. Tripod Socket |
| 3. Lens Release Lever | 4. Lens Locking Pin |
| 5. Mounting Index for Adapter | 6. G-Mount |

真诚地感谢您选购LAOWA老蛙 MFC (Magic Format Converter)
魔法画幅增距镜，为了让您充分了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。

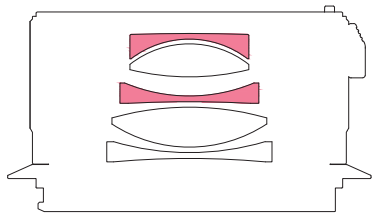


MFC EF-G Mount



MFC F-G Mount

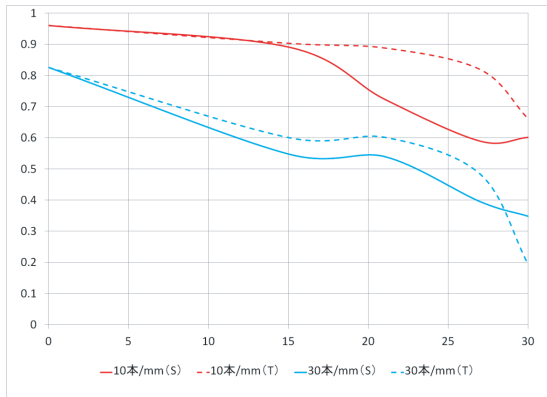
OPTICAL CONSTRUCTION



● Extra Refractive Index



MTF CHART



4) 为有效控制该产品的体积和重量，并更好地矫正像差，此镜头采用了4组5枚的光学结构，且包含了2枚超高折射率玻璃(Extra Refractive Index)，完美地解决了两者间的冲突。

5) LAOWA老蛙 MFC(Magic Format Converter)的机械结构全部采用金属部件，有效提高了产品的组装精度和耐用性，具有强烈的金属质感。

PRECAUTIONS

Safety Precautions

- Don't look at the sun or intense light source directly through a camera with a lens attached in case it may cause damage to CCD/CMOS of the camera and one's eyesight.
- Don't leave the lens under the sun without the lens cap attached to prevent damage to CCD/CMOS of the camera and fire danger.

注意事项

安全注意事项

- 使用本产品拍摄时，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，不使用本产品或者安装好有本产品的镜头时，须将产品的前盖及后盖盖好，以防磨损镜头或灼伤CCD/CMOS甚至引发火灾。

使用注意事项

- 产品从寒冷的环境突然转移到温暖的环境时，产品的外部以及内部镜片将会凝结水雾，所以请做好防水、防湿保护。
- 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。

INSTRUCTIONS

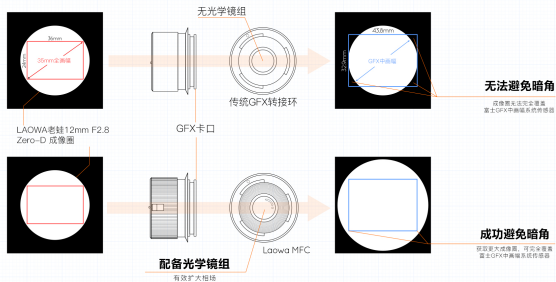


INSTALLATION METHOD

- Remove the camera body cap. Remove the rear cap from the MFC.
Align the mounting index of the MFC with that of the camera,
position the MFC on the camera and then rotate clockwise until
it clicks into place with a “click”.
- Remove the front cap from the MFC and the rear cap from the lens.
Line up the alignment marks on the lens and the MFC, place the
lens on the MFC and then turn the lens until it click-locks. Note
that which direction you use to turn the lens depends on the lens
type: Canon: clockwise / Nikon: counterclockwise.

Magic Format Converter (MFC)

全画幅镜头轻松转接富士GFX50S完美规避暗角问题



以LAOWA老蛙12mm F2.8 D-Dreamer镜头为例

焦距: 12mm

光圈: f/2.8

视场角: 122°

基于中画幅可获得

焦距: 17mm

光圈: f/4

视场角: 116.3°

FEATURES

1) Taking full advantage of the short flange distance of mirrorless cameras, LAOWA MFC incorporates an optical system that successfully boosts up the size of the original 35mm format (full frame) image circle and has it fitted with the larger GFX sensor.

2) Vignetting tends to be stronger when adapting ultra wide angle full frame lenses onto GFX sensor. LAOWA MFC is particularly useful for ultra wide angle lenses. By using LAOWA MFC, GFX medium format users will be able to enjoy an ultra wide angle of view without the need to crop away all the unusable corners of images.

3) For instance, when the MFC is used with LAOWA 12mm F2.8 Zero-D, the 12mm lens will convert into a roughly 17mm F4 one on GFX-50S. And the field of view will be equivalent to approximately 13mm in 35mm format.

产品规格

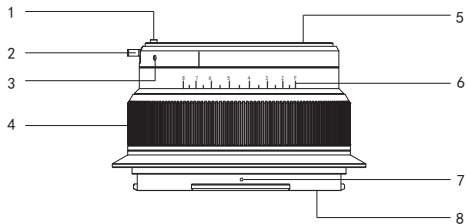
产品名称	LAOWA老蛙 MFC (Magic Format Converter)	
镜头结构	4组5枚 (超高折射率玻璃2枚)	
卡口	EF-G	F-G
尺寸 (直径/长)	约 $\Phi 67.5 \times 35$ 毫米	约 $\Phi 67.4 \times 37$ 毫米
重量 (不含前后盖)	约290克	约300克

声明：请一切以实物为准，不涉及产品性能或质量变更，恕不另行通知。

PRODUCT INSTRUCTIONS

The GFX adapters currently available in the market simply adapt the Canon/Nikon lenses onto the Fujifilm G-mount cameras with no resizing on the image circle. However, due to the relatively smaller image circle of Canon/Nikon full frame lenses, most of them are unable to completely cover the Fujifilm GFX sensors, which results in serious vignetting and heavily degraded peripheral sharpness. LAOWA MFC differs from the traditional GFX adapter in the existing market. With optical elements inside, LAOWA MFC can effectively eliminate image vignetting.

* Based on Market Research March 2017



MFC F-G Mount

- | | | |
|-----------|-----------|-----------|
| 1. 镜头锁销 | 2. 镜头释放拨杆 | 3. 镜头安装标记 |
| 4. 光圈手轮 | 5. 镜头座圈 | 6. 光圈调节刻度 |
| 7. 接环安装标记 | 8. G卡口 | |