FF 180mm F4.5 CA-Dreamer Macro 1.5X

使用手册
Instruction Manual

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前言

真诚地感谢您选购 FF 180mm F4.5 CA-Dreamer Macro 1.5X 全画幅微距镜头。支持无限远至1.5倍放大的拍摄范围，多枚ED镜片加持，可最大限度消除色散。无论是微距还是无限远，在对焦范围内都能获得极佳的成像画质，为用户提供了稳定可靠的支持。可拍摄到微小的物体，如小型昆虫、珠宝首饰等。

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⚠ *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

- FF 180mm F4.5 CA-Dreamer Macro 1.5X 区别于传统的微距镜头，此款镜头在全画幅系统的高性能成像基础上，无穷远到微距都可以拍出高解析画质的照片，并且微距模式下达到了令人惊叹的1.5倍物体放大，多枚ED镜片加持，让此镜头在1.5倍放大成像下，也没有明显的色散。更高的放大倍率，使用户拥有更多的创作空间。

- 采用9片光阑叶片设计，让光圈更圆，可使点光源呈现出接近圆形的虚化效果，给予了焦外美丽且柔和的虚化。

- 内部有9组12枚镜片，能够带来高素质成像。外有全金属材料制成的机械结构，保障了镜头长期使用的耐用性。

- 佳能EF/索尼E/尼康Z卡口具备自动对焦功能，在1.5米至无穷远可实现自动对焦，1.5米到最近对焦距离需手动对焦。

注意事项

△ 安全注意事项

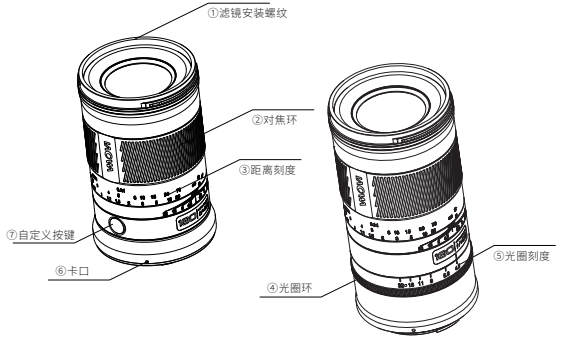
- 切勿自行在镜头结构拆装功能之外的拆解、修改或改装。当产品由于外力原因破损，切勿触碰外露部分或破损边缘处。
- 切勿放置于直射阳光下、封闭车辆中或其余高温处，否则过高的温度会使镜片和其他部件产生伸缩变形。
- 不使用镜头时，请将镜头前盖盖上或置于没有阳光照射处。凸透镜反射出的光线可能会聚集在附近物体上，导致发生火灾。
- 在逆光拍摄时，切勿将太阳置于画面中心，应该使太阳充分偏离画角，否则阳光会在相机内部聚集并导致火灾或灼伤眼睛。

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



使用说明

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式进行安装。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。

光圈使用

佳能RF/L卡口镜头，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④来选择对应的光圈。
佳能EF/索尼E/尼康Z卡口镜头，光圈在机身上调节。
手动版本无CPU数据，无法记录光圈参数。

微距摄影模式

最大放大倍率为1.5倍，最近对焦距离为30cm

对焦

此款镜头佳能EF/索尼E/尼康Z卡口为自动对焦，佳能RF/L卡口是全手动对焦镜头，手动对焦合焦时，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与景深刻度是出于指导目的。实际焦点与景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)。

M/A对焦辅助功能

在您手动拍摄时，长按镜身Fn按键2秒即可启动M/A模式。
该M/A模式下通过手动大致对焦后，半按快门，可实现自动对焦。并且支持微距端对焦包围拍摄（参考机身具体功能）让微距堆叠拍摄更加便捷！再次长按FN按键2秒则可取消M/A模式。
如果您的镜头暂时无法开启此功能，可通过官网下载更新。

对焦方法一

对焦环切换到AF档位，1.5米到无穷远可实现自动对焦。

对焦方法二

放大倍率预先确定后再进行对焦

① 预先确定放大倍率，随后转动对焦环至所需的放大倍率刻度。

② 通过取景器或开启Live View（实时取景）功能观察画面，并前后平移相机进行粗略对焦直至确定合适的焦距。

③ 转动对焦环对物体进行精确对焦。

对焦方法三

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

FF 180mm F4.5 CA-Dreamer Macro 1.5X	
画幅	全画幅
焦点距离	180mm
光圈范围	F4.6-32
视场角	13.7°
镜头结构	9组12片
光阑叶片	9片
对焦行程	270°
光圈行程	61.3°
对焦刻度	英米同刻
最近摄影距离（物像距离）	30cm
最大放大倍率	1.5X
合焦驱动方式	手动/自动
滤镜尺寸	Ø62mm
镜头尺寸	132.4mm*Ø67.6mm(以RF口测量)
重量	约545g(不含前后盖)
AF卡口 MF卡口	AF：Canon EF / Sony E / Nikon Z/ Fuji X MF：Canon RF / L Mount/ Nikon F

Preface

Thank you very much for purchasing FF 180mm F4.5 CA-Dreamer Macro 1.5X full frame lens. This lens can shoot from infinity to 1.5X magnification. With multiple ED glass, it can maximize the elimination of chromatic dispersion. Whether at macro or infinity, excellent image quality can be achieved in the focus range, providing users with stable and reliable support. It can shoot tiny objects, such as small insects, jewelry, etc

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⚠ *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.FF 180mm F4.5 CA-Dreamer Macro 1.5X is different from traditional macro lens. On the basis of full frame system of high-performance imaging, this lens can achieve high resolution image quality from infinity to macro. Besides, under macro mode, it can get amazing 1.5X magnification of objects. With the help of several ED glasses, this lens has no obvious chromatic dispersion under 1.5X magnification. The higher magnification gives users more space for creation.
- 2.It adopts 9 aperture blades, therefore, the aperture is more round, which can create a nearly circular blur effect for the point light source and provide a beautiful and soft bokeh.
- 3.This lens is constructed of 12 elements in 9 groups, which can bring high resolution imaging. The all-metal structure ensures durability of the lens for long-term use.
- 4.The Canon EF/Sony E/Nikon Z mount has autofocus function, which can achieve autofocus from 1.5m to infinity, and manual focus is required from 1.5m to the minimum focusing distance.

Precautions

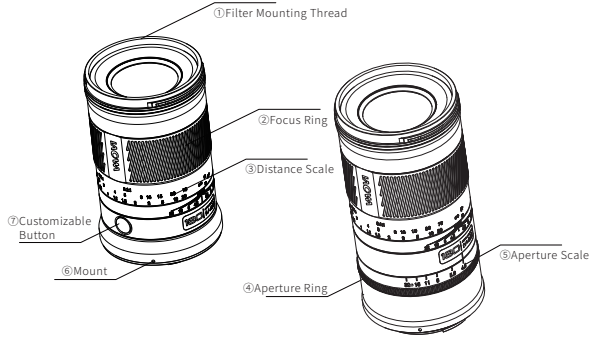
⚠ Safety Precautions

- 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



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. Place the lens on the camera mount and attach the lens according to the proper installation method of the mount type. Do not use excessive force during installation to avoid damage to the bayonet.

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.

Focusing

This lens is autofocus for Canon EF/Sony E/Nikon Z mounts and fully manual focus for Canon RF/L mounts. To achieve manual focus, slowly rotate the focus ring② until the focus is achieved.
Turn the focus ring slowly and gently to prevent the focus mechanism from damage.
The distance scale ③ and depth of field scale are for instructional purposes. Actual focus and DOF may slightly differ from those scale indications.
To get precise focus, it is recommended to focus wide open when the camera position is fixed. Get focus first, then set the desired aperture by turning the aperture ring.
For the ease of focusing, turn on the focus peaking on the camera. (Note that the function depends on camera models.)

M/A Focus Assist Function

You can activate M/A mode by pressing and holding the Fn button on the lens for 2 seconds during manual shooting.
Once M/A mode is active, after roughly focusing manually, half-pressing the shutter button will engage autofocus. This mode also supports focus bracketing at the macro end (refer to your camera body's specific functions), making macro focus stacking much more convenient! To exit M/A mode, simply press and hold the Fn button again for 2 seconds.
If this function is not yet available on your lens, please download the latest firmware from the official website to update it.

Setting the Aperture

For Canon RF/L mounts,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 ④ on the lens to the corresponding aperture.
For Canon EF/Sony E/Nikon Z mounts, aperture is set through the aperture ring on the camera body.
Since the manual version has no CPU data, the aperture values cannot be recorded.

Macro Photography Mode

The maximum magnification is 1.5X and the minimum focusing distance is 30cm.

Focusing Methods

Method 1
Switch the focus ring to AF, and autofocus can be achieved from 1.5m to infinity.

Method 2
Focus after magnification is predetermined
①Determine magnification in advance, then turn the focus ring to the desired magnification scale.
②Check the frame by the viewfinder or [Live View] on the camera and pan the camera back and forth to roughly focus until the right focal length is determined.
③Rotate the focus ring to achieve precise focus.
Method 3
Set the frame first. Turn the focus ring while you are checking the image through the viewfinder or [Live View] on the camera. After setting the composition, perform steps ② and ③ of Method 2.

When shooting at high magnifications, the working distance of the lens is very short and it is easy to touch the shooting subject. Therefore, please be careful when shooting.
Magnification refers to the proportional relation between the size of the image recorded on the sensor or film and the actual size of the shooting subject.

Specifications

FF 180mm F4.5 CA-Dreamer Macro 1.5X	
Format	FF
Focal Length	180mm
Aperture Range	F4.6-32
Angle of View	13.7°
Lens Structure	12 elements in 9 groups
Aperture Blades	9
Focus Throw	270°
Aperture Throw	61.3°
Distance Scale	Metric & Imperial (Dual Scale)
Min. focusing Distance	30cm
Max. Magnification	1.5X
Focus Type	AF / MF
Filter Thread	Ø62mm
Dimensions	132.4mm*Ø67.6mm(RF)
Weight	About 545g (without front lens cap and rear lens cap)
Auto Aperture Manual Aperture	AF：Canon EF / Sony E / Nikon Z/Fuji X MF：Canon RF / L Mount/ Nikon F