● *Reflex 1:6.3 300mm UMC CS Lens (Canon, Nikon, Sony α, FT)*

Instruction Manual

Thank you for purchasing the Reflex 1:6.3 300mm UMC CS lens.

We believe that you will have a special photographic experience with this new Reflex 1:6.3 300mm UMC CS lens.

With an optical design optimized for mirrorless cameras such as the Canon, Nikon, Sony α and FT, the Reflex 1:6.3 300mm UMC CS lens provides good portability, a compact size, and an ability to produce various images from both close up and long distance shooting.

Advantages of the Reflex

1. A reflective system for APS-C (1:1.5x) DSLR cameras
2. Through its premium optical design, it corrects aberrations and produces a high resolution and high contrast at the center of the lens as well as around its periphery.
3. The lens hood and multi-coating design suppress flaring and ghost images.
4. Corrects aberrations and produces stable images with the low dispersion lens.

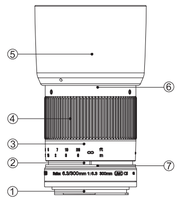
The Reflex 1:6.3 300mm UMC CS lens is uniquely designed for Canon, Nikon, Sony α and FT cameras. You can easily take photographs by mounting the lens directly onto the camera, without installing an additional adaptor.

Read this manual carefully to familiarize yourself with your lens for correct use.
※ Please read the Safety Precautions at the back of this instruction manual prior to use.

● Please read this instruction manual prior to use. ●

1. Component Names

【Figure】



① Mount
② Distance scale indicator mark
③ Focus scaling ring
④ Focusing ring
⑤ Hood
⑥ Hood locking area
⑦ Red ring

2. Attaching and Detaching

The Reflex 1:6.3 300mm UMC CS lens is uniquely designed for Canon, Nikon, Sony α and FT, cameras.

【Attaching】

Hold the lens hood gently, and align the camera mount attachment point with the camera locking reference point on the lens. Next, push the lens into the camera and turn the lens gently until it makes a clicking sound, and the distance scale indicator mark is positioned on the upper part of the camera.

【Detaching】

Hold the lens hood gently, press the lens release button on the camera, and turn the lens in the opposite direction of the attaching direction to detach the lens.

3. Focus Adjustment

You can adjust the focus by turning the focusing ring when using the Reflex 1:6.3 300mm UMC CS lens, as it is a Manual Focus (MF) adjustment lens.

【Canon, Sony α, FT Mount】

① To change the focus from a subject that is far away to a subject that is close, turn the focusing ring to the right (∞ to 1.1 m) and focus on the clearest subject by using the indication signal on the camera, or through the LCD.

② To change the focus from a subject that is close to a subject that is far away, turn the focusing ring to the left (1.1 m to ∞) and focus on the clearest subject by using the indication signal on the camera, or through the LCD.

【Nikon, Mount】

① To change the focus from a subject that is far away to a subject that is close, turn the focusing ring to the left (∞ to 1.1 m) and focus on the clearest subject by using the indication signal on the camera, or through the LCD.

② To change the focus from a subject that is close to a subject that is far away, turn the focusing ring to the right (1.1 m to ∞) and focus on the clearest subject by using the indication signal on the camera, or through the LCD.

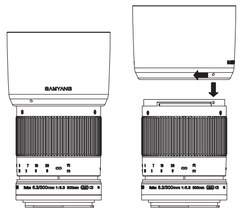
4. Brightness Control

The Reflex 1:6.3 300mm UMC CS lens does not have an additional diaphragm, so the brightness can be adjusted by using the ISO sensitivity and the shutter speed. If the shutter speed is low, a moving subject cannot be captured successfully. Adjust the sensitivity and exposure properly.

5. Mounting the Hood

The hood has a bayonet system which guarantees speedy, efficient, safe and precise installation, and enables you to enjoy shooting experience that is free from ghosting or flaring.

【Figure】



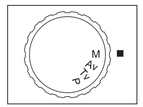
Align the attachment reference point on the hood with the reference point on the lens. Push the hood onto the lens and turn the hood to the right until it makes a clicking sound.

6. Camera Settings

The diaphragm of the Reflex 1:6.3 300mm UMC CS (Canon, Nikon, Pentax K, Sony α, FT) lens is not compatible with the camera.

○ Canon Mount

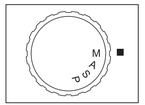
1) Set the camera mode dial to M.



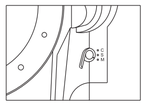
(The procedures above are for the 40D. The settings for the camera or the menu may vary based on the camera model or due to a functional upgrade. Refer to the camera instruction manual or contact the camera manufacturer for detailed information.)

○ Nikon Mount

1) Set the camera mode dial to M.



2) Set the focus adjustment lever of the camera to M.

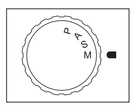


3) When an MF lens is attached, some Nikon cameras allow you to enter the focal length and the brightness. With these Nikon cameras, you can use the MF lens more efficiently by entering the focal length and the brightness.

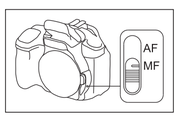
(The settings for the camera or the menu may vary based on the camera model or due to a menu upgrade. Refer to the camera manual or contact the camera manufacturer for detailed information.)

○ Sony (Minolta)α Mount

1) Set the camera mode dial to M.



2) Set the focus adjustment lever of the camera to MF.



(The procedures above are for the α350. The settings for the camera or the menu may vary based on the model or due to a functional upgrade. Refer to the camera instruction manual or contact the camera manufacturer for detailed information.)

○ Konica Minolta (Minolta), DYNA Series Cameras

If this lens is used on some Konica Minolta (Minolta) or DYNA series cameras, the release lock function (misuse prevention function) of the camera must be disabled. It is required to disable the release lock function only on the first use, as below.

Disabling the release lock function

① Set the main switch of the camera to OFF.

② Detach the lens from the camera body and set the main switch of the camera to ON by pressing the following two buttons.

9xi ··· function button + AE lock button
7xi ··· function button + AE lock button
5xi ··· function button + spot button
3xi ··· Modification is required at a service center.
807si ··· AEL button + shooting scene select button
707si ··· card button + spot button
507si ··· lens exchange button + ISO lock button
DYNAX3L ··· shooting scene select button + button
303si ··· AV button + self mode button
303si SUPER ··· drive button + spot button
101si ··· self-timer button + flash button
360si ··· self-timer continuous shooting button + screen select button
α-Sweet ··· self-timer continuous shooting button + spot button
α-Sweet S ··· (set the function dial to multi light exposure) P button + self-timer button
DYNAX30 ··· self-timer button + turn the left dial on the main body away from OFF.

α-Sweet II, II L ··· Set the camera to custom function 14 and change selection number from 1 to 2 (N.A).

α-7, -9, -Ti ··· Set the camera to custom function 16 and change the selection number from 1 to 2 (N.A).

α-Sweet digital ··· Execute the following operation.

MENU ⇒ *2 ⇒ Release lock without the lens ⇒ To the right ⇒ N.A. ⇒ Execute ● ⇒ MENU

α-7 Digital - Execute the following operation.

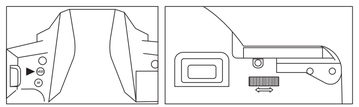
MENU ⇒ *3 ⇒ Release lock without the lens ⇒ To the right ⇒ N.A. ⇒ Execute ● ⇒ MENU

※ If the release lock is disengaged in the above way, the state of disengagement is maintained even though the main switch is turned off. If you want to enable the release lock function, perform the above procedure again.

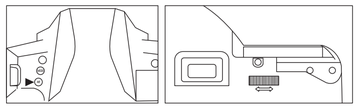
(The settings for the camera or the menu may vary based on the camera model or due to a functional upgrade. Refer to the camera instruction manual or contact the camera manufacturer for detailed information.)

○ Four Thirds Mount

1) Hold down the MODE button and turn the dial until it is set to M. (shooting conditions) MODE + control dial ▶ M mode setting (manual shooting)



2) Hold down the AF button and turn the dial until it is set to MF. (focusing) AF + control dial ▶ MF setting (manual focusing)



(The procedures above are for the Olympus E-3. The settings for the camera or the menu may vary based on the camera model or due to a functional upgrade. Refer to the camera manual or contact the camera manufacturer for detailed information.)

7. About Photography

The Reflex 1:6.3 300mm UMC CS lens is a telephoto lens which uses a reflective optical system.
You can produce very interesting photos with this feature. This telephoto lens has a long focal length, so it is very useful for shooting a still object from afar.

8. Specifications

Focal length		300 mm			
Aperturerange		F6.3 Fixed			
Image sensor size		23.3 X 15.5 mm			
Focusing range		∞ to 1.1m			
Optical Construction		8 elements in 8 groups			
Filter Size		φ25.5 mm (Rear)			
Maximum Diameter		φ64.5 mm			
Mount		Canon	Nikon	Sony α	Four-Thirds
Angle of Veiw	APS-C	5.5°	5.5°	5.5°	
	Four Thirds				4.2°
Length		76.1 mm	73.6 mm	75.6 mm	81.4 mm
Weight		270 g	260 g	260 g	285 g

9. Troubleshooting

Issue	Causes	Corrective Action
A lens cannot be attached to the camera.	The attachment reference point on the lens is not aligned with the lens attachment reference point on the camera.	Align the attachment reference point on the lens with the lens attachment reference point on the camera.
A lens cannot be detached from the camera.	Incorrect rotation direction for detaching the lens. If you turn the lens while holding the camera, it may cause damage to the lens.	Press the lens release button on the camera, and gently turn the lens to the lens attaching/detaching reference points, in the direction as marked on the camera, and then pull the lens forward.
Blurry images	Incorrect focusing. Insufficient shutter speed or camera shake.	Turn the focusing ring while checking a magnified image in Live View, set the focus until it becomes clear, and then press the shutter. Steady the camera and take a photograph at a shutter speed of 1/125 secs.
Automatic focusing does not work properly.	A manual focusing lens has trouble with automatic focusing.	Use the focusing ring to adjust the focus.
Dark or too bright pictures	Inappropriate exposure	Set the ISO sensitivity properly. Set the shutter speed of the camera properly.
The camera flash is not functioning.	The manual control lens may not be compatible, depending on the camera.	See the camera manual.
The camera finder indication or the display does not display.	This lens does not have an electric contact signal, so there is no communication with the camera through electric signals.	No problem with shooting
Zooming failure	This lens is a single lens.	
This lens cannot be mounted on other cameras.	This lens is designed for its own mount.	Purchase the designated lens mount.
You want to attach our 2X or 1.4X converter lens.	Our converter is designed for the T (M42 screw) mount only. Therefore it cannot be used with this lens.	Use each company's own mount converter. However, be aware that auto focusing is unavailable.

10. Safety Precautions

The following precautions are divided into two types according to the level of danger.

⚠ WARNING	⚠ CAUTION
If this instruction is not followed, it may cause death or severe injury to the user.	If this instruction is not followed, it may cause death or severe injury to the user.

The following pictograms are used in the below precautions:

- Requires caution. Inside the pictogram it shows contents of precautions. (It shows outlineak of fire in the pictogram on the left.)
- Shows prohibition. Inside the pictogram it shows contents of prohibition. (It shows prohibition of dismantling in the pictogram on the left.)
- Shows instruction. Inside the pictogram it shows contents of instructions. (It shows instruction of precaution in the pictogram on the left.)

⚠ WARNING

- Don't look at the sun through the lens. It may cause blindness

- Don't leave the lens within reach of babies, as it may cause injury to the baby if the lens falls or is dropped.

⚠ CAUTION

- Attach the lens to the camera correctly and ensure the lens is held in place properly; otherwise the lens may not be removable, or may become loose and cause an accident.

- Don't attempt to modify or alter the lens. It may lead to failure of the camera. Modified or altered lenses may not be repaired.

- Don't put excessive pressure on the lens attached to the camera; otherwise it may cause damage to the lens or to the camera mount. Be sure to hold the lens when operating or mounting.

- Don't leave the lens in direct sunlight. It may cause a fire, depending on the lenses that concentrate light on a close object.

- Ensure that the camera operates properly by checking the lens beforehand or by taking a photo for important events such as a wedding ceremony and an overseas trip.

- Don't look at the sun directly through a camera with a lens attached. It may cause damage to one's eyesight.

WARNING!

Do not wet this product or expose it to a moist environment. It may cause a fire or electric shock.

CAUTION!

- Do not use this product or store it close to devices that generate heat i.e., heaters, thermal regulators, stoves or stereo amplifiers.
- Do not leave the lens in conditions where drastic temperature changes can occur.
- Do not touch the surface of the lens by hand, and avoid making contact with sharp objects.
- Avoid dropping the lens.
- Do not soak the lens in water, and avoid water splashing onto the lens.
- If there are foreign bodies on the lens, use a lens cleaning kit only.
- If the lens hood is cut by the user, it may cause damage to the surface of the lens, as the surface of the lens may make contact with the floor.