

# SAMYANG / 135 mm F2.0 ED UMC Instruction manual

We believe that this new 135mm F2.0 ED UMC lens will give you a special photographic experience.

The 135mm F2.0 ED UMC lens completes an optical system based on superior optical technologies, and maintains excellent resolution by adopting a high refractive low dispersive lens and an UMC (Ultra Multi Coating).

## Advantages of the 135mm F2.0 ED UMC

- 35mm full frame image size.
- It compensates for aberrations by using a high refractive low dispersive lens and high class optical glass, and at the fully opened position, produces a high resolution and a high contrast at the center of the lens as well as around the periphery.
- Allows precision focus control with smooth operation.
- Coating design by controlling ghosting as much as possible and reproducing vivid color images.
- Produces smooth focusing by means of the aperture design, which comes close to a circular shape with its 9 diaphragm blades.
- Easy to use it for shooting animals, still life and close shot with its shortest shooting distance of 0.8m, despite of its angle of view of 18°.

The 135mm F2.0 ED UMC lens for photo shooting is designed with its own mount. You can mount the lens directly onto the camera without using 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.

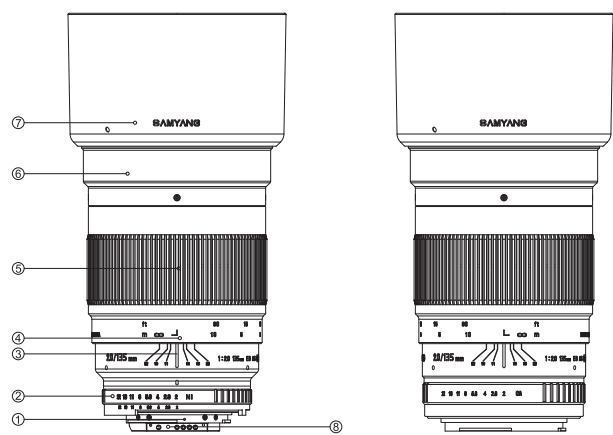
Please read this instruction manual prior to use.

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## 1. Component Names

### [Figure]



- Mount (camera locking area)
- Aperture adjustment ring
- Distance scale indicator mark
- Focus Scale
- Focusing ring
- Hood locking tube
- Hood
- CPU (Electronic contact)

## Konica Minolta (Minolta) DYNA Series

If this lens is used on some Konica Minolta (Minolta) 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. Procedure for disabling the release lock function

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

- 7xi—function button + AE lock button
- 7xi—function button + AE lock button
- 5xi—function button + spot button
- 3xi—Need to modify at the service center

- 303si—AV button + self mode button
- 303si SUPER—drive button + spot button
- 101si—self-timer button + flash button
- 360si—self-timer non-intermittent shooting button + scene select button

- 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
- α-Sweet—self-timer non-intermittent shooting button\_spot button
- α-Sweet S—(Set the function dial to the multiple exposure)
- P button + self-timer button
- DYNAX30—self-timer button+turn the left dial on the main body away from the OFF.

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

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

α-Sweet Digital—Carry out the following operation.

MENU → 2—Release lock with a lens → To the right → N.A. → ● Execute → MENU → 7—Digital—Carry out 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 the release lock function is disabled by performing the procedure above, the disabled state is maintained even when the main switch is set to OFF. If you want to enable the release lock function, perform the procedure above again.

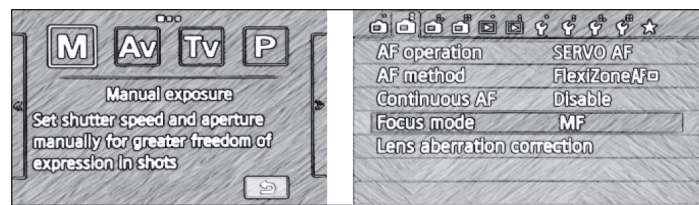
(Settings for the camera or the menu may be changed depending on the model or due to a menu upgrade. Therefore refer to the camera manual or contact the camera manufacturer for detailed information.)

## Mirrorless Cameras (Canon M, Samsung NX, Sony E, Fujifilm X)

The diaphragms of the 135mm F2.0 ED UMC Canon M, Samsung NX, Sony E and Fujifilm X mounts are not compatible with the cameras. If the brightness is set to F8 or above, you may not be able to set the correct focus due to a difficulty in viewing the subject through the camera viewfinder. Turn the aperture ring so it is fully open when attaching the lens to the camera, and then set the depth of field and brightness you want prior to shooting.

### [Canon M Mount]

- Set the exposure to manual exposure (M) and change the focus mode to MF.



(The procedures above are for the Canon M. 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.)

## 2. Attaching and Detaching

The 135mm F2.0 ED UMC lens mount is uniquely designed for Canon, Nikon (Fujifilm) F, Pentax (Samsung GX) K, Sony α (Minolta), Canon M, Sony E, Fujifilm X, Samsung NX, Four Thirds and Micro Four Thirds cameras.

### [Attaching]

Hold the hood locking area of the lens softly, align the depth of field scale of the lens with the lens ring mount of the camera, push the lens into the camera and turn the lens softly until it makes a clicking sound and the depth of field scale is positioned on the upper part of the camera.

Regarding Nikon F mount, CPU chip is installed in it. Please turn the aperture adjustment ring until F22 (Minimum aperture value) so that lens can communicate with the camera accordingly.

### [Detaching]

Hold the hood locking area of the lens gently, press the lens release button on the camera, turn the lens until the depth of field scale of the lens is aligned with the lens attachment reference point on the camera, and then pull the lens out.

## 3. Focus Adjustment

You can adjust the focus by turning the focusing ring when using the 135mm F2.0 ED UMC lens, as it is a Manual Focus (MF) adjustment lens.

### [Nikon / Pentax K Mount]

- To change the focus from a subject that is far away to a subject that is close, turn the focusing ring to the left (from ∞ to 0.8 m) and focus on the clearest subject by using the indication signal on the camera or by checking visually.
- To change the focus from a subject that is close to a subject that is far away, turn the focusing ring to the right (from 0.8 m to ∞) and focus on the clearest subject by using the indication signal on the camera or by checking visually.

## [Canon, Sony α, Canon M, Sony E, Fujifilm X, Samsung NX, FT, MFT Mount]

- To change the focus from a subject that is far away to a subject that is close, turn the focusing ring to the right (from ∞ to 0.8 m) and focus on the clearest subject by using the indication signal on the camera or by checking visually.
- To change the focus from a subject that is close to a subject that is far away, turn the focusing ring to the left (from 0.8 m to ∞) and focus on the clearest subject by using the indication signal on the camera or by checking visually.

## 4. Brightness Control

You can set the depth of field and brightness by turning the aperture adjustment ring when using the 135mm F2.0 ED UMC lens.

### [Aperture adjustment ring markings]

- Canon, Nikon F, Pentax K, Sony α, Canon M, Sony E, Fujifilm X, Samsung NX, FT, MFT

22 16 11 8 5.6 4 2.8 2

- Pentax K

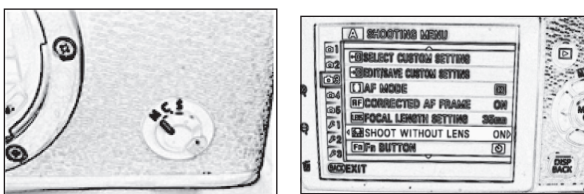
A • 22 16 11 8 5.6 4 2.8 2

### [Nikon F Mount]

- A / M mode  
Turn the sub command dial at the front of the camera.
- S / P mode  
Turn the main command dial at the back of the camera.

### [Fujifilm X Mount]

- Set the focus mode to M.

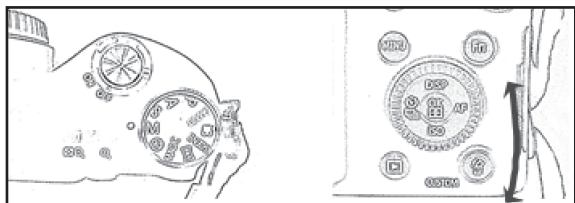


- Press the MENU/OK button, and select ON at 'Shooting without lens' in the shooting menu.

(The procedures above are for the X-Pro1. 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.)

### [Samsung NX Mount]

- Set the camera mode dial to M.
- Adjust the shutter speed by turning the dial to achieve the appropriate exposure for the brightness.

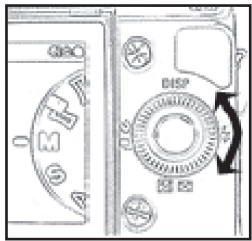


※ For some Samsung (NX) cameras, if you set the camera mode dial to A and set the brightness by turning the aperture adjustment ring on the lens, the camera automatically changes the shutter speed, so you don't have to adjust the shutter speed as well, which is required in M mode.

(The procedures above are for the NX200. 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.)

### [Sony E Mount]

- Set the camera mode dial to M.
- Adjust the shutter speed by turning the dial to achieve the appropriate exposure for the brightness.

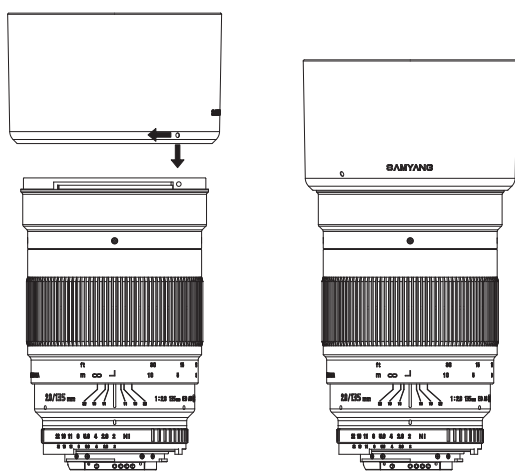


※ For some Sony E cameras, if you set the camera mode dial to A and set the brightness by turning the aperture ring on the lens, the camera automatically changes the shutter speed. Therefore you don't need to adjust the shutter speed as well, which is required in M mode.

(The procedures above are for the NEX-5. The settings for the camera or the menu may vary based on the model or due to a functional upgrade. Refer to the camera manual or contact the camera manufacturer for detailed information.)

## 5. Attaching the Hood

The hood has a bayonet system, which guarantees speedy, efficient, safe and precise installation and facilitates the enjoyment of shooting that is free from ghosting or flaring.



Align the hood indicator and the hood locking indicator on the lens, push the hood in softly, and then rotate to the left until it makes a clicking sound.

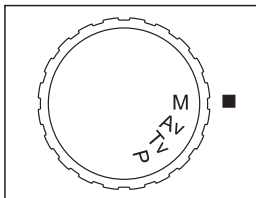
## 6. Camera Settings

Some cameras require special settings when using this lens. Please read the information below and set your camera accordingly.

### Canon Mount

The aperture of the 135mm F2.0 ED UMC Canon mount is not geared to the camera. If the F stop is set to above 8, the user may not be able to set the correct focus due to a difficulty in viewing a subject through the camera viewfinder. Therefore turn the aperture adjustment ring and fully open it when attaching this lens to the camera, and then turn the aperture adjustment ring again to set the depth of focus and brightness you want prior to shooting.

- Set the camera mode dial to M.

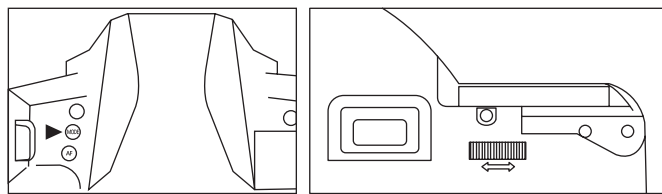


### Four Thirds, Micro Four Thirds

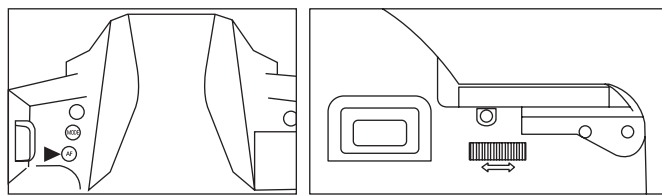
The diaphragms of the 135mm F2.0 ED UMC Four-thirds and Micro four-thirds mounts are not compatible with the cameras. If the brightness is set to F8 or above, you may not be able to set the correct focus due to a difficulty in viewing the subject through the camera viewfinder. Turn the aperture ring so it is fully open when attaching the lens to the camera, and then set the depth of field and brightness you want prior to shooting.

### [Four-thirds Mount]

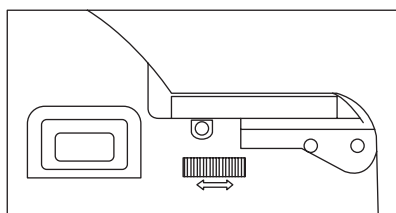
- Hold down the MODE button and turn the dial until it is set to M. (Shooting conditions) MODE + control dial ► M mode setting (manual shooting)



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



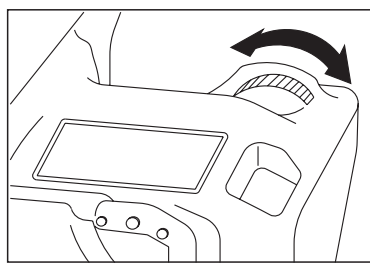
- Adjust the shutter speed to achieve the appropriate exposure for the brightness by turning the dial.



※ For some Four-Thirds cameras, if you set the camera mode dial to A and set the brightness by turning the aperture adjustment ring on the lens, the camera automatically changes the shutter speed, so you don't have to adjust the shutter speed as well, which is required in M mode.

(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.)

- Adjust the shutter speed to achieve the appropriate exposure according to brightness.



※ The shutter speed of some Canon cameras changes automatically if the shooting mode dial is set to Av and the brightness is set by turning the aperture adjustment ring. Therefore the shutter speed is not required to be set additionally as with the M mode.

(The above procedure applies to the 40D. The settings for the camera or the menu may be changed depending on the model or due to a menu upgrade. Therefore refer to the camera manual or contact the camera manufacturer for detailed information.)

### Nikon (Fujifilm) AE Mount

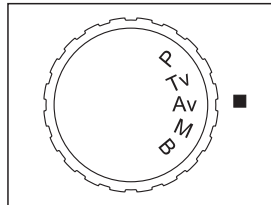
Your Nikon mount has electronic contacts that allow it to communicate with Nikon AF cameras. These contacts enable the A, S, and P modes of the camera. When a subject is correctly in focus, the camera emits a beep or an indicator light comes on.

### Pentax (Samsung GX) K Mount

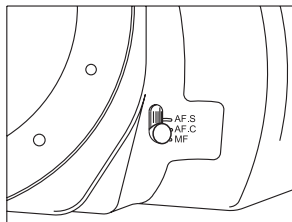
1. Av Mode (Aperture Priority Mode) The 135mm F2.0 ED UMC Pentax K mount Av mode is supported.

- Align the A mode indicator with the distance scale indicator mark by pressing the A button on the aperture adjustment ring of the lens.

- Set the mode dial of the camera to Av.

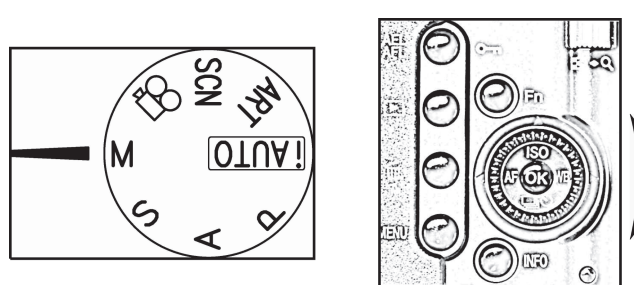


- Set the focus adjustment lever of the camera to MF.



### [Micro Four Thirds Mount]

- Set the camera mode dial to M.



- Adjust the shutter speed by turning the dial to achieve the appropriate exposure for the brightness.

※ For some Olympus (MFT) and Panasonic (MFT) cameras, if you set the camera mode dial to A and set the brightness by turning the aperture adjustment ring on the lens, the camera automatically changes the shutter speed. Therefore you don't need to adjust the shutter speed as well, which is required in M mode.

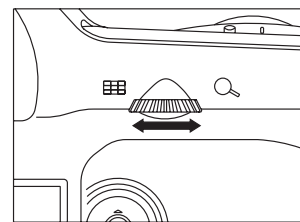
(The procedures above are for the E-P2. The settings for the camera or the menu may vary based on the camera model or due to a functional upgrade. Refer to the camera manual or contact the camera manufacturer for detailed information.)

## 7. Specifications

SPECIFICATIONS	1:2.0 135mm ED UMC									
APERTURE RANGE	F2.0 - 22									
OPTICAL CONSTRUCTION	11 ELEMENTS IN 7 GROUPS									
MINIMUM FOCUSING DISTANCE	0.8 m (2.62 ft)									
FILTER SIZE	Ø 77mm									
MAXIMUM DIAMETER	Ø 82mm									
MOUNT	CANON EOS	NIKON AE	PENTAX K	SONY α	CANON M	FUJIFILM X	SAMSUNG NX	SONY E	FOUR-THIRDS	MICRO FOUR-THIRDS
ANGLE OF VIEW	35mm	18.8°	18.8°	18.8°	18.8°	·	·	·	18.8°	·
	APS-C	11.7°	12.4°	12.4°	12.4°	11.7°	12.4°	12.4°	·	·
	FOUR-THIRDS 4/3"	·	·	·	·	·	·	·	9.5°	9.5°
LENGTH (LENS MOUNT TO FRONT)	122.1mm	119.6mm	126.6mm	121.6mm	143.0mm	148.4mm	140.6mm	143.1mm	127.4mm	146.9mm
WEIGHT (CAP, HOOD DETACHABLE)	830g	815g	820g	825g	840g	880g	830g	840g	845g	835g
FUNCTION	A/SiMP mode (NIKON AE)									

※ If more than one filter is attached to the camera, it may cause vignetting (the reduction of an image's brightness at the periphery). If a filter, which has both sides multi-coated, is used when attaching a filter, the user can shoot clear images.

- Set the menu on the camera.  
User settings → Use aperture ring → Not allowed



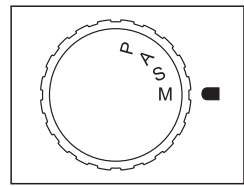
(The above procedure applies to the K20D. The settings for the camera or the menu may be changed depending on the model or due to a menu upgrade. Therefore refer to the camera manual or contact the camera manufacturer for detailed information.)

### Sony (Minolta) α Mount

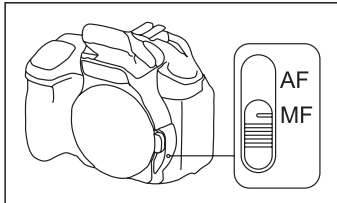
The aperture of the 135mm F2.0 ED UMC Sony (Minolta) α mount is not geared to the camera.

If the F stop is set to above 8, the user may not be able to set the correct focus due to a difficulty in viewing a subject through the camera viewfinder. Therefore turn the aperture adjustment ring and fully open it when attaching this lens to the camera, and then turn the aperture adjustment ring again to set the depth of focus and brightness you want to express prior to shooting.

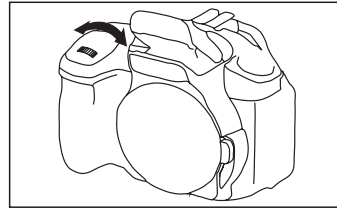
- Set the camera mode dial to M.



- Set the focusing lever of the camera to MF.



- Adjust the shutter speed to achieve the appropriate exposure according to brightness.



(The above procedure applies to the α350. The settings for the camera or the menu may be changed depending on the model or due to a menu upgrade. Therefore refer to the camera manual or contact the camera manufacturer for detailed information.)

## 8. Troubleshooting

Symptoms	Cause	Countermeasures
A lens cannot be attached to the camera.	The 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. You can turn the lens while holding the lens attachment/attachment reference point marked on the camera, and then pull the lens away.	Hold down the lens release button on the camera, gently turn the lens based on the attachment/attachment reference point marked on the camera, and then pull the lens away.
Blurry images	Incorrect focusing. Camera shake, or insufficient shutter speed.	Turn the focusing ring while checking the subject with the viewfinder in the camera or checking visually to set the focus until the subject is clear, and then press the shutter. After securing a shutter speed of 1/125 sec or faster, steady the camera and take a photograph.
FEE (blinking)	The aperture adjustment ring on the lens is not set to the minimum aperture value.	Turn the aperture adjustment ring to set it to the minimum aperture value (F22).
Automatic focusing does not work properly.	A manual focusing lens has trouble with automatic focusing.	Turn the focusing ring to focus on a subject.
The pictures are too dark or too bright.	The exposure is incorrect.	Set the aperture adjustment ring of the lens correctly.
The camera flash is not synchronized to the camera.	With a non-CPU lens, the camera flash may not be geared to some cameras.	Refer to the camera manual.
There is no camera finder indication or display.	This lens corresponds to the Nikon A/P lens.	See the camera manual or flash manual. This lens is a "Triple Lens" which requires distance information to the camera.
There is no camera finder indication or display.	This lens doesn't have electronic contacts, so there is no electronic communication with the camera.	No problem with shooting.
Zoom failure.	This lens is a single lens.	
The lens can't be attached to other cameras.	This lens is designed for a specific mount type.	Purchase the designated lens mount.
You want to attach our 2X or 1.4X converter lens.	Our converter is designed for the T-BAY2 (SCREW) mount only, thus it cannot be used with the product.	You can use each company's own mount converter. However, be aware that auto focusing is unavailable.

## 9. Safety Precautions

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

⚠ Warning If this instruction is not followed, it may cause death or serious injury to the user.

⚠ Caution If this instruction is not followed, it may cause damage or injury to the user.

⚠ Read manual. The pictogram shows contents of precautions. (The pictogram on the left shows the caution for lightning.)

⚠ Shows instruction, holds the pictogram if shows contents of instructions. (It shows reduction of operation in the pictogram on the left.)

### Warning

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

⚠ Don't look at the sun through the camera. It may cause blindness.

⚠ Don't touch the lens directly with your fingers. It may cause damage to the lens.

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