

35mm F1.4 AS UMC Instruction Manual

Thank you for purchasing our lens. We believe that this new 35 mm F1.4 AS UMC lens will give you a special photographic experience.

Advantages of the 35 mm F1.4 AS UMC

1. A floating design that leads to sharp images both for long shots and close-ups.
2. A single glass aspherical lens that results in sharp images throughout, even at the periphery.
3. Two high refraction lenses that are made of premium optical glass.
4. An ultra-multi-coating (UMC) design that suppresses ghosting and delivers clear images.
5. Eight aperture stops, which enables effective out-focusing.

This product is designed with its own mount. Hence, you can easily take photographs without installing an additional adaptor, mounting the lens directly onto the camera.

- Read this instruction manual carefully and use it properly.
- * Please familiar yourself with the 'Safety Precautions' at the back of this instruction manual, and use the product according to them.

● Read this instruction manual prior to use. ●

2. Attaching and Detaching to/from Camera

The 35 mm F1.4 AS UMC lens mount is uniquely designed for Nikon (Fujifilm) F, Pentax (Samsung GX) K, Sony (Minolta) α, Canon EOS, Four-Thirds, and Samsung NX cameras.

[Attaching]

1. Hold the hood of the lens gently.
2. Align the depth of field scale of the lens with the lens attachment reference point on the camera.
3. Push the lens into the camera and turn the lens gently until it makes a clicking sound and the depth of field scale is positioned at the top.
4. The Nikon mount is a lens (AE) in which a CPU is installed. Turn the aperture adjustment ring on the lens until it is set to the minimum aperture value (F22). (For the lens to be able to communicate with an AF camera, the aperture adjustment ring on the lens must be turned until F22, the F-number marked on the aperture adjustment ring, is aligned exactly with the depth of field scale on the lens.)

[Detaching]

Hold the hood 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 away.

3. Focus Adjustment

You can set the focus for a subject by turning the focus adjustment ring when using the 35 mm F1.4 AS UMC lens, as it is a Manual Focus (MF) adjustment lens.

[Nikon (Fujifilm) / Pentax (Samsung GX) 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 (from ∞ to 1) and focus on the clearest subject using the camera's indication signal, or by checking visually.
- 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 (from 1 to ∞) and focus on the clearest subject using the camera's indication signal, or by checking visually.

[Sony (Minolta) α / Canon EOS / Four-Thirds / Samsung NX 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 (from ∞ to 1) and focus on the clearest subject using the camera's indication signal, or by checking visually.
- 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 (from 1 to ∞) and focus on the clearest subject using the camera's indication signal, or by checking visually.

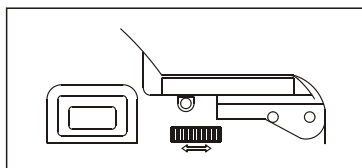
4. Brightness Control

[Nikon (Fujifilm) F Mount]

1. AF camera (Applicable for both a film body and a digital body)
 - ① Brightness control in A mode (Aperture Priority mode)
Turn the sub command dial at the front of the camera to adjust the brightness.
 - ② Brightness control in S mode (Shutter Speed Priority mode)
Turn the main command dial at the back of the camera. The shutter speed is changed and the brightness is adjusted according to the changed shutter speed.
 - ③ Brightness control in P mode (Program mode)
Turn the main command dial at the back of the camera to adjust the shutter speed and the brightness.
 - ④ Brightness control in M mode
Turn the sub command dial at the front of the camera to adjust the brightness.

(The procedure and description above are given based on the D300. The camera settings are different depending on each model and are subject to change due to functional enhancements. Therefore, for detailed information on your camera settings, please refer to your camera manual or contact your camera manufacturer.)

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



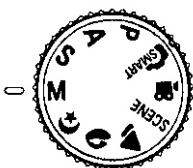
* For some Four-Thirds cameras, if you set the camera mode dial to 'A' and set the brightness by turning the aperture adjustment ring on the lens, the camera automatically changes the shutter speed. Therefore, you don't have to adjust the shutter speed as well, which is required in M mode.

(The procedure and description above are given based on the Olympus E-3. The camera settings are different depending on each model and are subject to change due to functional enhancements. Therefore, for detailed information on your camera settings, please refer to your camera manual or contact your camera manufacturer.)

○ Samsung NX

The aperture of the 35 mm F1.4 AS UMC Samsung NX mount is not geared to this camera. If the brightness (F-number) is set to 4 or larger, you may not be able to set the correct focus due to a difficulty in viewing the subject through the camera viewfinder. Therefore, when this lens is attached to your camera, turn the aperture adjustment ring to fully open the aperture and check that the focus is correct; then readjust the aperture to set the depth of field and brightness you want prior to shooting.

- 1) Set the camera mode dial to 'M'.



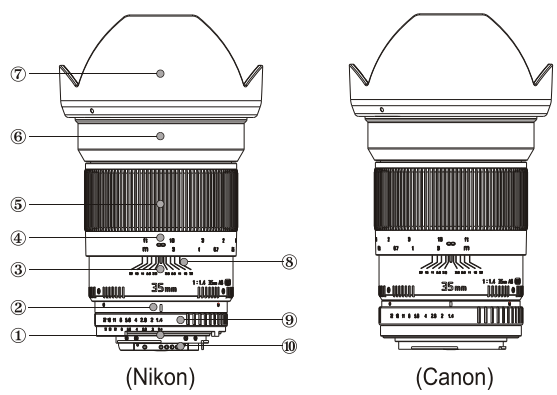
- 2) Adjust the shutter speed by turning the dial on the shooting button to achieve the appropriate exposure for the brightness.

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

(The procedure and description above are given based on the NX10. The camera settings are different depending on each model and are subject to change due to functional enhancements. Therefore, for detailed information on your camera settings, please refer to your camera manual or contact your camera manufacturer.)

1. Component Names

[Figure]



- ① Lens ring mount (camera locking area)
- ② Aperture value scale
- ③ Distance scale
- ④ Focus scaling ring
- ⑤ Focusing ring
- ⑥ Hood locking tube
- ⑦ Hood
- ⑧ Aperture adjustment ring
- ⑨ Depth of field scale
- ⑩ CPU (Electronic contacts)

- AS: Aspherical lens (GAS: GAS, Glass Aspherical, HAS: Hybrid Aspherical)
- UMC: Ultra Multi-Coating
- HR: High Refraction lens

2. Camera without contacts (Non-AF camera)

- ① Turn the aperture adjustment ring to set the brightness you want. The user can set the brightness he/she wants by turning the aperture adjustment ring when using the lens.

[Sony (Minolta) α / Canon EOS / Four-Thirds / Samsung NX Mount]

- ① Turn the aperture adjustment ring to set the brightness you want. The user can set the brightness he/she wants by turning the aperture adjustment ring when using the lens.

[Aperture adjustment ring markings]

- ① Nikon (Fujifilm) F / Sony (Minolta) α / Canon EOS / Four-Thirds / Samsung NX

22	16	11	8	5.6	4	2.8	2	1.4
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- ② Pentax (Samsung GX) K

A	22	16	11	8	5.6	4	2.8	2	1.4
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Each number is 1 stop (1 EV) away from the next number. Brightness can be set more precisely by using the stop setting in-between. (However, the Sony (Minolta) mount is only controlled in steps of 1 stop.)

Example)

1.4 and 2 are 1 stop (1 EV) away from each other.

22	16	11	8	5.6	4	2.8	2	1.4
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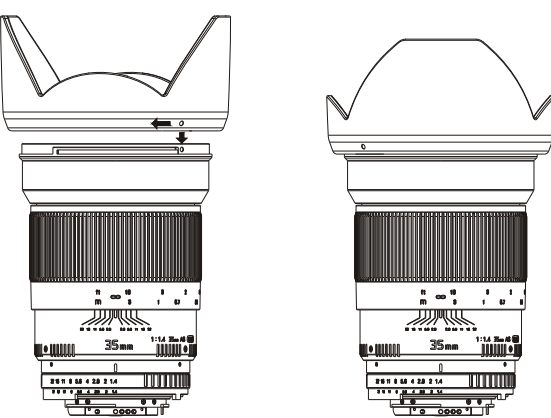
Set the brightness between 2 and 1.4, which is 0.5 of a stop (0.5 EV) between the two.

22	16	11	8	5.6	4	2.8	2	1.4
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5. Mounting 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.

[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. About Photography

The aperture of the 35 mm F1.4 AS UMC lens supports a maximum brightness of F1.4.

If you take a photo outdoors exposed to sunlight, you may not get a clear image because the subject is too bright. Therefore, adjust the brightness to an appropriate level and then take the photo.

Since the depth of field becomes very shallow at F1.4, if the subject is not focused correctly you may get an unclear image. Therefore, to get a clear image, focus the subject correctly and then take the photo.

7. Camera Settings

Some cameras require special settings when using this lens. Please refer to the following and change the camera settings when necessary.

○ Nikon (Fujifilm) F Mount

The Nikon mount has contacts to communicate with the Nikon AF camera. The contacts provide the following functions: they enable the A, S, and P modes of the camera, and when a subject is focused correctly the camera emits a beep or an indicator light comes on.

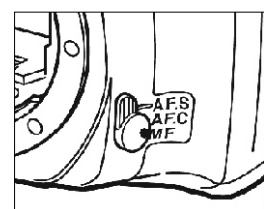
○ Pentax (Samsung GX) K

1. Av mode
The 35 mm F1.4 AS UMC Pentax (Samsung GX) K mount supports Av.

- 1) Align the A mode indicator to the depth of field scale by pressing the A button on the aperture adjustment ring of the lens.
- 2) Set the mode dial of the camera to 'Av'.

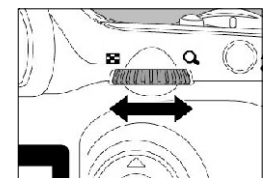


- 3) Set the focus adjustment lever of the camera to 'MF'.



- 4) Set the menu on the camera.
The user sets the menu. ⇒ The aperture ring is used. ⇒ Not allowed.

- 5) Adjust the brightness by turning the dial at the back of the camera.



(The procedure and description above are given based on the K20D. The camera settings are different depending on each model and are subject to change due to functional enhancements. Therefore, for detailed information on your camera settings, please refer to your camera manual or contact your camera manufacturer.)

○ Sony (Minolta) α

The aperture of the 35 mm F1.4 AS UMC Sony (Minolta) mount is not geared to this camera.

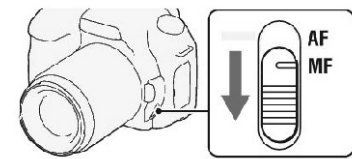
If the brightness (F-number) is set to 8 or larger, you may not be able to set the correct focus due to a difficulty in viewing the subject through the camera viewfinder.

Therefore, after attaching this lens to the camera, focus on the subject with the aperture fully opening, and then turn the aperture adjustment ring again to set the depth of field and brightness you want prior to shooting.

- 1) Set the camera mode dial to 'M'.



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



- 3) Adjust the shutter speed to achieve the appropriate exposure for the brightness.



(The procedure and description above are given based on the α350. The camera settings are different depending on each model and are subject to change due to functional enhancements. Therefore, for detailed information on your camera settings, please refer to your camera manual or contact your camera manufacturer.)

○ Konica Minolta (Minolta) DYNA Series

If this lens is used on some Konica Minolta (Minolta) series cameras, the release lock (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

- 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 two following buttons.

- | | |
|--|--|
| 9xi Function button + AE lock button | 303si .. AV button + Self mode button |
| 7xi Function button + AE lock button | 303si .. SUPER drive button + Spot button |
| 5xi Function button + Spot button | 101si .. Self-timer button + Flash button |
| 3xi Modification is required at a service center. | 360si .. Self-timer continuous shooting button + Scene select button |

- | |
|---|
| 807si .. AEL button + Shooting scene select button |
| α-Sweet II .. Self-timer continuous shooting button + Spot button |
| 707si .. Card button + Spot button |
| α-Sweet S ... (Set the function dial to the multiple exposure, P button + Self-timer button) |
| 507si .. lens replacement button + ISO lock button |
| DYNAX3L Shooting scene select button + button |
| DYNAX30 Self-timer button + turn the left dial on the camera body from the OFF position. |

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

a-7, -9, -T1 .. Set the camera to custom function 16 and change selection number 1 to 2 (NA).

α-Sweet Digital Perform the following operations.

Menu => *2 => release lock without a lens => to the right => N.A => ●execute => Menu α-7 Digital => Perform the following operations.

MENU => *3 => release lock without a lens => to the right => N.A => ●execute => MENU

* 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.

(The camera settings are different depending on each model and are subject to change due to functional enhancements. Therefore, for detailed information on your camera settings, please refer to your camera manual or contact your camera manufacturer.)

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10. 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 death or severe injury to the user.

- | | | | |
|--|---|---|---|
| <ul style="list-style-type: none"> ⚠ 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 on a display. | <ul style="list-style-type: none"> ⚠ CAUTION Attach the lens to the camera correctly, and return the lens to its case properly. Otherwise, the lens 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 lenses that concentrate light on a close subject. | <ul style="list-style-type: none"> ⚠ CAUTION 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 opening or moving. Don't leave the lens in direct sunlight. It may cause a fire, depending on the lens. Modified lenses that concentrate light on a close subject. | <ul style="list-style-type: none"> ⚠ CAUTION Ensure that the camera lens is attached to the camera correctly by checking the lens before closed or by looking through the camera's viewfinder. Don't look at the sun directly through a camera with a lens attached. It may cause damage to one's eyesight. |
|--|---|---|---|

WARNING!
Don't get this product wet or expose it to a moist environment. It may cause a fire or electric shock.

- CAUTION!**
- Don't use this product or store it close to devices that generate heat, i.e., heaters, thermal regulators, stoves, stereo amplifiers.
 - Don't leave the lens in conditions where drastic temperature changes can occur.
 - Don't touch the surface of the lens by hand, and avoid making contact with sharp objects.
 - Avoid dropping the lens.
 - Don't let the lens get wet, and avoid water splashing onto the lens.
 - If there are foreign bodies on the lens, use a lens cleaning kit only.

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9. Troubleshooting

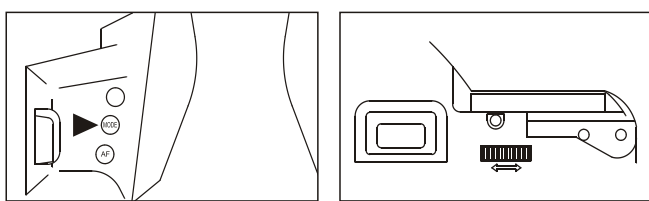
Symptom	Cause	Action
I cannot attach the lens to my camera.	The reference point on the lens is not aligned with the lens attachment reference point on the camera.	Align the reference point on the lens with the lens attachment reference point on the camera.
I cannot detach the lens from my camera.	Incorrect rotation direction for detaching the lens. If you turn the lens while holding the camera, it may cause damage to the lens.	Hold down the lens release button on the camera, gently turn the lens toward the lens attachment/detachment reference point marked on the camera, and then pull the lens away.
Dark image	Incorrect focusing. Shutter speed insufficient, or camera shake.	Turn the focusing ring while checking the subject with the indicator in the camera or checking visually to set the focus until the subject is clear, and then press the shutter. Steadily the camera and take a photograph at a shutter speed of 1/25 sec.
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).
Autofocus failure	Autofocus failed with a manual control focus lens.	Set the focus by turning the focusing ring.
Pictures too dark or too bright	Inappropriate exposure	Adjust the aperture size.
The camera flash is not geared to the camera.	With a non-CPU lens, the camera flash may not be geared to some cameras. This lens corresponds to the Nikon A/P lenses.	See the camera manual. See the camera manual or the flash manual. This lens is not a "D-type" lens (which relays distance information to the camera).
There is no camera finder indication or there is no display.	This lens doesn't have electronic contacts, so there is no electronic communication with the camera.	This does not indicate that there is a 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.	Purchase the required lens mount.
I want to attach your 2X or 1.4X converter lens.	Our converter is designed for the T (M42 screw) mount only. Therefore, it cannot be used with the 35 mm F1.4 AS UMC lens.	Use the appropriate company's own mount converter. However, be aware that autofocus adjustment will not be available.

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○ Four-Thirds

The aperture of the 35 mm F1.4 AS UMC Four-Thirds mount is not geared to this camera. If the brightness (F-number) is set to 4 or larger, you may not be able to focus the subject properly because it is difficult to see the subject through your camera viewfinder. Therefore, when this lens is attached to your camera, turn the aperture adjustment ring to fully open the aperture and check that the focus is correct; then readjust the aperture to set the depth of field and brightness you want. Then take your photograph.

- 1) Hold down the MODE button and turn the dial until it is set to M (shooting conditions), MODE+Control Dial ► Setting M mode (manual shooting)



- 2) Hold down the AF button and turn the dial until it is set to MF (adjusting focus), AF+Control Dial ► Setting MF (manual focus adjustment)

