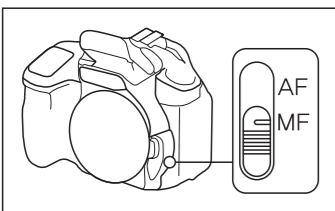
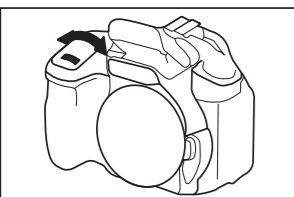


2) Set the focus adjustment lever of the camera to MF.



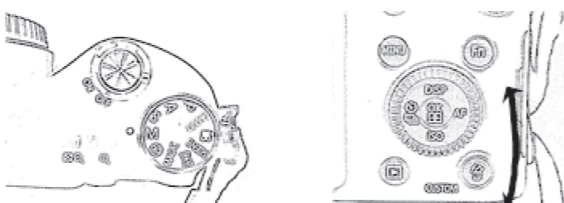
3) Adjust the shutter speed to achieve the appropriate exposure for the brightness by turning the dial.



(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.)

【 Samsung NX Mount 】

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

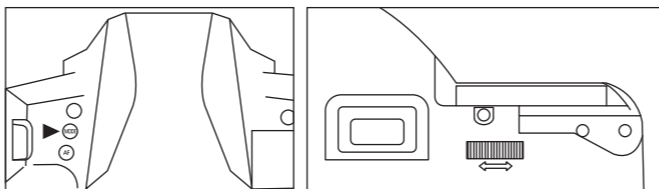


※ For some Samsung (NX) cameras, if you set the camera mode dial to A and set the brightness by turning the aperture ring on the lens, the camera automatically changes the shutter speed. Therefore you don't need to adjust the shutter speed as well, which is required in M mode.

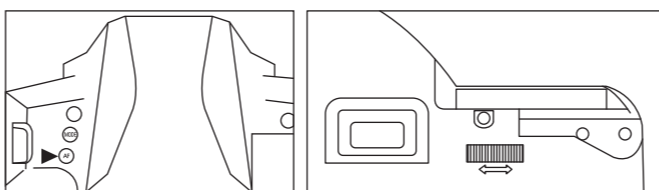
(The procedures above are for the NEX-200. The settings for the camera or the menu may vary based on the model or due to a functional upgrade. Refer to the camera manual or contact the camera manufacturer for detailed information.)

【 Four Thirds 】

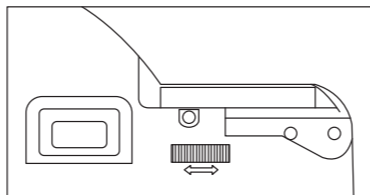
- 1) Hold down the MODE button and turn the dial until it is set to M. (shooting conditions)
MODE + control dial ► M mode setting (manual shooting)



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



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

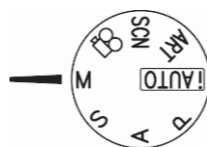


※ For some Four Thirds cameras, if you set the camera mode dial to A and set the brightness by turning the aperture ring on the lens, the camera automatically changes the shutter speed. Therefore you don't need to adjust the shutter speed as well, which is required in M mode.

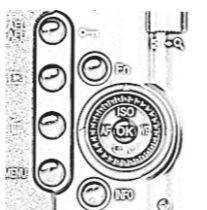
(The procedures above are for the Olympus E-3. The settings for the camera or the menu may vary based on the camera model or due to a functional upgrade. Refer to the camera manual or contact the camera manufacturer for detailed information.)

【 Micro Four Thirds Mount 】

- 1) Set the camera mode dial to M.



- 2) 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 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		TILT/SHIFT LENS 1:3.5 24mm ED AS UMC									
APERTURE RANGE		F3.5 - 22									
OPTICAL CONSTRUCTION		16 ELEMENTS IN 11 GROUPS (2 ASPHERICAL LENS)									
MINIMUM FOCUSING DISTANCE		0.2m(0.65ft)									
FILTER SIZE		ø 82mm									
MAXIMUM DIAMETER		ø 86mm									
MOUNT		CANON EOS	NIKON	PENTAX K	SONY α	CANON M	FUJIFILM X	SAMSUNG NX	SONY E	FOUR-THIRDS	MICRO FOUR-THIRDS
ANGLE OF VIEW		35mm	83.5°	83.5°	83.5°	83.5°	-	-	83.5°	-	-
		APS-C	56.3°	59.9°	59.9°	59.9°	56.9°	59.9°	59.9°	-	-
		FOUR-THIRDS (4/3")	-	-	-	-	-	-	-	47.1°	47.1°
LENGTH		110mm	107mm	108mm	109mm	136mm	136mm	128mm	139mm	115mm	134mm
WEIGHT		667g	647g	646g	656g	737g	745g	727g	734g	720g	730g
LENS ROTATION		*Maximum Tilt amount: ±8.5°, Maximum Shift amount: ±12mm *Between Tilt and Shift Rotation: 90° Left(click-stop for each 30° step) *Mount Rotation: 90° Right(click-stop for each 30° step)									

8. 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 the indication or checking an object visually, 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	Adjust the aperture adjustment ring accordingly.
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.
Zoom 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.

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 severe injury to the user.

⚠ CAUTION
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 1 shows contents of precautions. (It shows outbreak of fire in the pictogram on the left.)
Shows prohibition. Inside the pictogram 2 shows contents of prohibition. (It shows prohibition of dismantling in the pictogram on the left.)
Shows instruction. Inside the pictogram 3 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 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 moving.

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

Ensure that the camera operates properly by checking the lens beforehand or by test shooting 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.

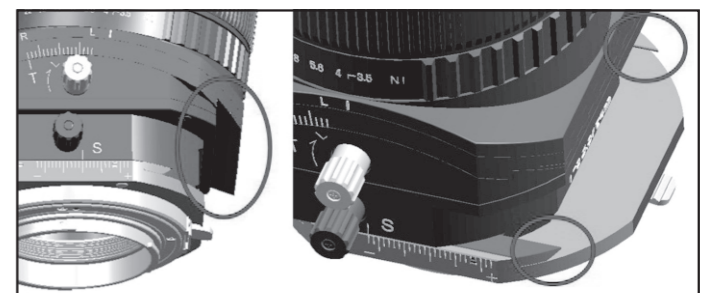
⚠ WARNING!

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.

⚠ WARNING! CAUTION!



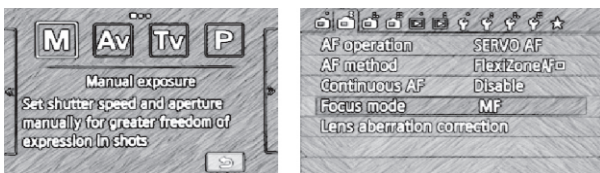
When using the tilt and shift functions, please be cautious and avoid touching the sharp surfaces of the lens as shown above picture.

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

The diaphragms of the T-S24mm F3.5 ED AS UMC Canon M, Fujifilm X, Samsung NX and Sony E 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 】

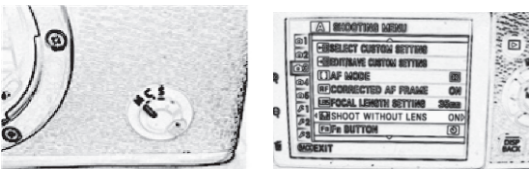
- 1) Set the exposure to manual exposure (M) and change the focus mode to MF.



(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.)

【 FUJIFILM X Mount 】

- 1) Set the focus mode to M.

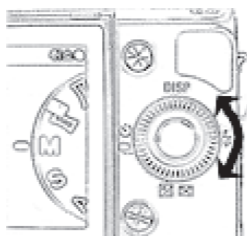


- 2) Press the MENU/OK button, and select ON at 'Shooting without lens' in the shooting menu.

(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.)

【 Sony E Mount 】

- 1) Set the camera mode dial to M.
- 2) 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.)

○ Four Thirds, Micro Four Thirds Mount

The diaphragms of the T-S24mm F3.5 ED AS 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.