

# SAMYANG ● 135mm T2.2 ED UMC (for Cinema) Instruction Manual

We believe that this new 135mm T2.2 ED UMC lens for video recording will give you a special photographic experience.

The 135mm T2.2 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 T2.2 ED UMC

1. 35mm full frame image size.
2. 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.
3. Produces smooth focusing by means of the aperture design, which comes close to a circular shape with its 9 diaphragm blades.
4. The hood and UMC(Ultra Multi Coating) design suppresses flaring and ghost images.
5. Robust durability with a high strength aluminum alloy body.
6. Smooth control when a follow focus is attached since the lens is equipped with a gear for the focus and aperture.
7. 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 T2.2 ED UMC lens for video recording is designed with its own mount. You can mount the lens directly onto the camera without using an additional adaptor.  
※ Please read this instruction manual carefully and use it accordingly.  
※ Please read the 'Safety Precautions' at the back of this instruction manual prior to use.

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## ○ Samsung NX Mount

- 1) Record a video in A, M or  $\infty$  mode.
- 2) Please note that while recording a video the shutter speed is limited to a minimum of 1/30.

(The procedures above are for the NX-200. 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.)

## ○ Four Thirds FT Mount

- 1) Record a video in  $\infty$ , P, A, or M mode.
- 2) Please note that while recording a video the shutter speed is limited to a minimum of 1/30.

(The procedures above are for the E-5. 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) Record a video in  $\infty$ , P, A, or M mode.
- 2) Please note that while recording a video the shutter speed is limited to a minimum of 1/30.

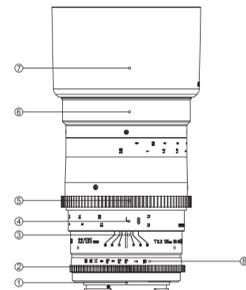
(The procedures above are for the E-5. The settings for the camera or the menu may vary based on the camera model or due to a functional upgrade. Refer to the camera manual or contact the camera manufacturer for detailed information.)

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## 1. Component Names

[Figure]



- 1) Mount (camera locking area)
- 2) Gear for aperture adjustment
- 3) Distance scale indicator mark
- 4) Focus Scale
- 5) Gear for focus adjustment
- 6) Hood locking tube
- 7) Hood
- 8) T number

## 7. SPEC

SPECIFICATIONS		1:2.2 135mm ED UMC											
APERTURE RANGE (T-STOP)		T2.2 to T22											
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		NIKON	CANON EOS	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	12.4°	11.7°	12.4°	12.4°	11.7°	12.4°	12.4°	12.4°	·	·	
		FOUR-THIRDS 4/3"	·	·	·	·	·	·	·	·	9.5°	9.5°	
LENGTH (LENS MOUNT TO FRONT)		119.6mm	122.1mm	120.6mm	121.6mm	148.0mm	148.0mm	140.6mm	148.1mm	127.4mm	146.5mm		
WEIGHT (CAP, HOOD DETACHABLE)		820g	835g	825g	830g	845g	885g	835g	845g	850g	840g		
GEAR		MODULE		0.8									
		A		7mm									
		B		4mm									
		C		43.8mm									
		D		8mm	10.5mm	9mm	10mm	36.4mm	36.8mm	29mm	36.5mm	15.8mm	35.3mm
FOCUS DIAMETER		Ø 81.6mm											
APERTURE DIAMETER (Ø70.4mm)		Ø 73.6mm											

## 2. Attaching and Detaching

The 135mm T2.2 ED UMC lens mount is uniquely designed for Canon, Nikon (Fujifilm) F, Pentax (Samsung GX) K, Sony (Minolta) α, Cannon M, Sony E, Fujifilm X, Samsung NX, Four-thirds and Micro four-thirds cameras.

### [Attaching]

Gently hold the lens hood, align the camera mount attachment point with the attachment reference point or line on the lens, push the lens into the camera and gently rotate the lens 90 degrees clockwise from the front view, until it makes a clicking sound.

### [Detaching]

Gently hold the lens hood, press the lens release button on the camera, and turn the lens counterclockwise to detach the lens.

## 3. Focus Adjustment

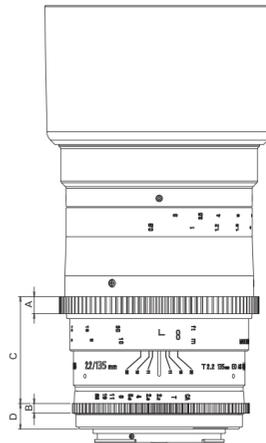
When using the 135mm T2.2 ED UMC lens, you can set the focus of a subject by turning the focus adjustment gear, since it is an MF (Manual Focus) adjustment lens.

### [Nikon, Pentax K Mount]

- 1) To change the focus from a subject that is far away to a subject that is close, Turn the focusing gear counterclockwise (from  $\infty$  to 0.8) and focus on the clearest subject by using the indicator signal on the camera 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 gear clockwise (from 0.8 to  $\infty$ ) and focus on the clearest subject using the indicator signal on the camera or by checking visually.

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

- 1) To change the focus from a subject that is far away to a subject that is close, Turn the focusing gear clockwise (from  $\infty$  to 0.8) and focus on the clearest subject by checking visually.
- 2) To change the focus from a subject that is close to a subject that is far away, Turn the focusing gear counterclockwise (from 0.8 to  $\infty$ ) and focus on the clearest subject by checking visually.



## 4. Brightness Control

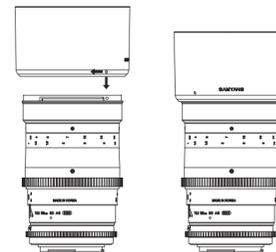
You can set the brightness you want by turning the aperture adjustment gear when using the 135mm T2.2 ED UMC lens.

You can set T NO from 2.2 to 22.  
(The aperture is a stepless control type, so it does not stop exactly.)

## 5. Mounting the Hood

The hood guarantees speedy, efficient, safe and precise installation, and enables you to enjoy shooting that is free from ghosting or flaring.

[Figure]



Align the attachment reference point on the hood with the reference point for a hood on the lens, push the hood onto the lens and turn the hood clockwise until it makes a clicking sound.

## 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 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.
Blurry images	Incorrect focusing Camera shake, or insufficient shutter speed.	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. After selecting a shutter speed of 1/125 sec or faster, steady the camera and take a photograph.
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 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 (BA2 SCREW) mount only, thus it cannot be used with this product.	You can use each company's own mount converter. However, be aware that auto focusing is unavailable.

## 6. Camera Settings

Some cameras require special settings when using this lens.

### ○ Canon Mount

- 1) Record a video in Av, Tv, P, CA, □ or M mode.
- 2) Please note that while recording a video the shutter speed is limited to a minimum of 1/30.

(The procedures above are for the 5D MARKII. 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.)

### ○ Nikon Mount

Please refer to the following and set the camera when necessary.

- 1) Record a video in M or A mode.
- 2) Adjust the exposure using the dial steps +5 to -5.

(The procedures above are for the D7000. 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.)

### ○ Pentax K Mount

- 1) Record a video in  $\infty$  mode.
- 2) Please note that while recording a video the shutter speed is limited to a minimum of 1/30.

(The procedures above are for the K-30. 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.)

## 9. Safety Precautions

The following precautions are divided into two types according to the level of danger.		The following pictograms are used in the below precautions.	
<b>Warning</b> If this instruction is not followed, it may cause death or severe injury to the user.	<b>Caution</b> If this instruction is not followed, it may cause damage or injury to the user.	<b>Requires caution</b> Inside the pictogram it shows contents of precautions. (The pictogram on the left shows the caution for action.)	<b>Shows prohibition</b> Inside the pictogram it shows contents of prohibition. (The pictogram on the left shows the prohibition of disassembly.)
<b>Warning</b> Don't look at the sun through the lens. It may cause blindness.	<b>Caution</b> Don't touch the lens directly through a camera with a lens attached. It may cause damage to one's eyesight.	<b>Requires caution</b> Inside the pictogram it shows contents of precautions. (The pictogram on the left shows the caution for action.)	<b>Shows prohibition</b> Inside the pictogram it shows contents of prohibition. (The pictogram on the left shows the prohibition of disassembly.)
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### WARNING!

Do not wet this product 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.
- Do not expose the lens to drastic temperature changes.
- Do not touch the surface of the lens with your hand, or let it come into contact with sharp objects.
- Do not drop 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.

## ○ Sony α Mount

- 1) Record a video in A, S, P or M mode.

(The procedures above are for the A580. 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.)

## ○ Canon M Mount

- 1) Record a video in Av, Tv, P, CA or M mode.
- 2) Please note that while recording a video the shutter speed is limited to a minimum of 1/30.

(The procedures above are for the Cannon 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 manual or contact the camera manufacturer for detailed information.)

## ○ Fujifilm X Mount

- 1) Record a video in  $\infty$  mode.

(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 manual or contact the camera manufacturer for detailed information.)

## ○ Sony E Mount

- 1) Record a video in A, S, P or M mode.
- 2) Adjust the exposure by rotating the dial at the back of the camera.

(The procedures above are for the NEX-5. 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.)

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