

# ● 14mm T3.1 ED AS IF UMC ( for Cinema)

## Instruction Manual

Thank you for purchasing our lens.  
We believe that this new 14mm T3.1 ED AS IF UMC lens for video recording will give you a special photographic experience.

The 14mm T3.1 ED AS IF UMC lens forms an optical system based on superior optical technologies, and maintains excellent resolution both at the center and around the periphery of the lens by adopting a high performance Glass Molding ASP lens and UMC (Ultra Multi Coating).

### Advantages of the 14mm T3.1 ED AS IF UMC

1. 35mm full frame image size.
2. It compensates optical aberrations using high performance Glass Molding ASP and Hybrid ASP.
3. In the fully open position, it produces high resolution and high contrast at the center of the lens as well as around the periphery.
4. The flower-shaped hood and UMC (Ultra Multi Coating) design suppresses flaring and ghost images.
5. Robust durability with a high strength aluminum body.
6. Smooth control when a follow focus is attached since the lens is equipped with a gear for both focus and aperture adjustment.

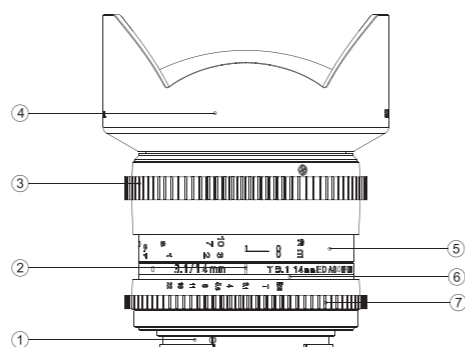
The 14mm T3.1 ED AS IF UMC lens for video recording is designed with its own mount. You can mount the lens directly onto the camera without using an adaptor.

- ※ Please read this instruction manual carefully and use the product accordingly.
- ※ 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 point
- ③ Focusing gear
- ④ Hood
- ⑤ Focus scaling ring
- ⑥ Point ring
- ⑦ Aperture adjustment gear

## 2. Attaching to and Detaching from the Camera

The 14mm T3.1 ED AS IF UMC lens mount is uniquely designed for Nikon, Canon, Sony α, Sony E, Four-Thirds, and NX 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 14mm T3.1 ED AS IF 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 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 ∞ to 0.28) and focus on the clearest subject 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 0.28 to ∞) and focus on the clearest subject using the indicator signal on the camera or by checking visually.

### 【Sony α / Sony E / Canon / 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 gear clockwise (from ∞ to 0.28) 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 0.28 to ∞) 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 14mm T3.1 ED AS IF UMC lens.

You can set a T No. from 3.1 to 22.  
(The aperture is not positioned at any exact point, since it is adjustable continuously without steps.)

## 5. Camera settings

Some cameras require separate settings prior to using the lens.  
Please refer to the following and set the camera when necessary.

### ○ Nikon

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

(The above procedure applies to the D7000. Settings for the camera or the menu may be different depending on the model or due to a menu upgrade, therefore refer to the camera manual or contact the camera manufacturer for more detailed information.)

### ○ Sony α

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

(The above procedure applies to the A580. Settings for the camera or the menu may be different depending on the model or due to a menu upgrade, therefore refer to the camera manual or contact the camera manufacturer for more detailed information.)

### ○ Sony E

- 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 above procedure applies to the NEX-5. Settings for the camera or the menu may be different depending on the model or due to a menu upgrade, therefore refer to the camera manual or contact the camera manufacturer for more detailed information.)

### ○ Canon

- 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 above procedure applies to the 5D MARK II. Settings for the camera or the menu may be different depending on the model or due to a menu upgrade, therefore refer to the camera manual or contact the camera manufacturer for more detailed information.)

### ○ Four-Thirds FT

- 1) Record a video in 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 above procedure applies to the E-5. Settings for the camera or the menu may be different depending on the model or due to a menu upgrade, therefore refer to the camera manual or contact the camera manufacturer for more detailed information.)

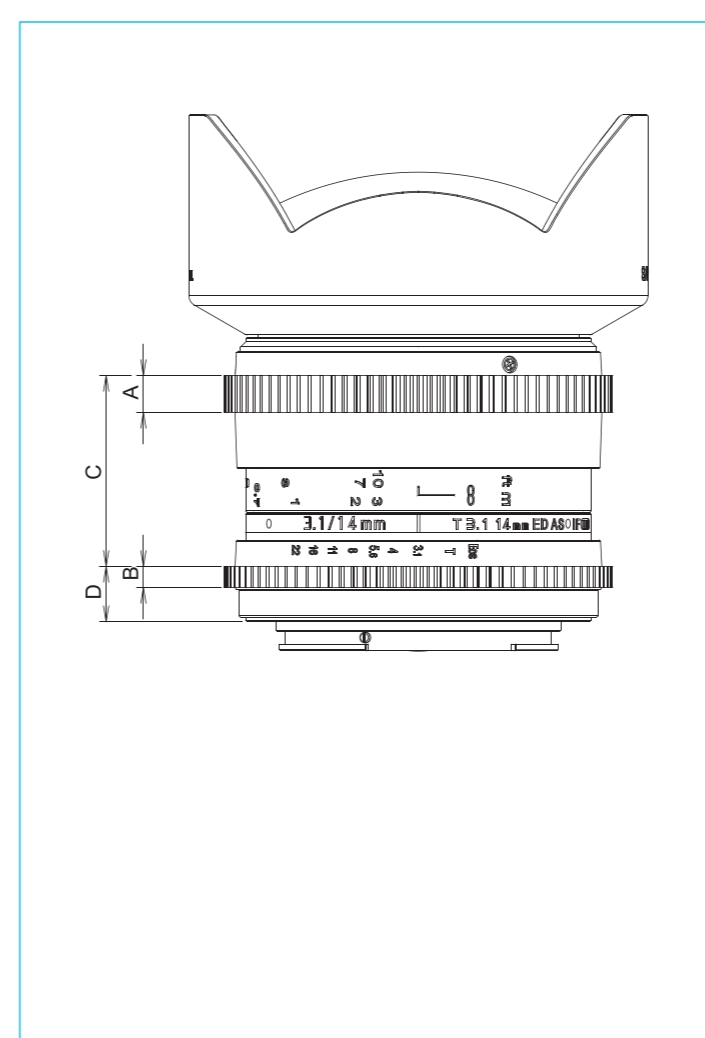
### ○ Samsung NX

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

(The above procedure applies to the NX 200. Settings for the camera or the menu may be different depending on the model or due to a menu upgrade, therefore refer to the camera manual or contact the camera manufacturer for more detailed information.)

## 6. SPEC

Focal length	14mm		
Max. aperture	T3.1 ~ 22		
Negative size	24 X 36 mm		
Angular field	35mm	115.7° (diagonal)	
	APS-C (1:1.5x)	93.9° (diagonal)	
	APS-C (1:1.6x)	89.9° (diagonal)	
	4/3"	76.24° (diagonal)	
Focusing range	∞ to 0.28m		
Filter connection	None		
Number of elements	14 Elements (1 Glass ASP & 1 Hybrid ASP)		
Number of groups	10 Groups		
Gear	Mount	Nikon Sony α Canon FT Sony E Samsung NX	
	Module	0.8	
	A	7mm	
	B	4mm	
	C	36.2mm	
	D	8mm 10mm 10.5mm 15.8mm 36.5mm 29mm	
	Focus Diameter	73.6mm	
	Aperture Diameter	70.4mm 73.2mm	
Weight (without hood)	Nikon Mount	605g	
	Sony α Mount	614g	
	Sony E Mount	620g	
	Canon Mount	638g	
	Four-Thirds	643g	
	Samsung NX Mount	642g	



## 7. Troubleshooting

Symptom	Cause	Action
The 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 reference point on the lens with the lens attachment reference point on the camera.
The 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 lightly turn the lens to the lens attaching/detaching reference points, in the direction as marked on the camera, and then pull the lens forward.
Dark image.	Incorrect focusing. Insufficient shutter speed, or camera shake.	Turn the focusing ring while checking the subject using the indicator in the camera or checking visually to set the focus until the subject is clear and distinct, 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.	This is a manual focusing lens and does not have an automatic function.	Turn the focusing gear to focus on a subject.
The pictures are too dark or too bright.	The exposure is incorrect.	Set the aperture adjustment gear of the lens correctly.
The camera flash is not synchronized to the camera.	The manual focusing lens may not be compatible depending on the camera.	See the camera manual.
There is no camera finder indication or display.	This lens does not 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 short focus lens.	
This lens cannot be mounted on other cameras.	This lens is designed for a specific mount type.	Please buy the required camera to use this lens.
I want to attach your 2X or 1.4X converter lens.	Our converter is designed for the T (M42 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 will not be available.

## 8. Safety Precautions

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

⚠ WARNING	⚠ CAUTION
<p>If this instruction is not followed, it may cause death or severe injury to the user.</p> <p>⚠ Don't look at the sun through the lens. It may cause blindness.</p>	<p>If this instruction is not followed, it may cause death or severe injury to the user.</p> <p>⚠ 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.</p>
<p>⚠ Don't leave the lens within reach of babies, as it may cause injury to the baby if the lens falls or is dropped.</p>	<p>⚠ 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.</p>
<p>⚠ 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.</p>	<p>⚠ Ensure that the camera operates properly by checking the lens lockstand or by test shooting for important events such as a wedding ceremony and an overseas trip.</p>
<p>⚠ Don't leave the lens in direct sunlight. It may cause a fire depending on lenses that concentrate light on a close object.</p>	<p>⚠ Don't look at the sun directly through a camera with a lens attached. It may cause damage to one's eyesight.</p>

**WARNING!**  
Do not allow this product to get wet, 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, 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.
  - If the hood is removed, the surface of the lens will be exposed and may become scratched, or break.

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