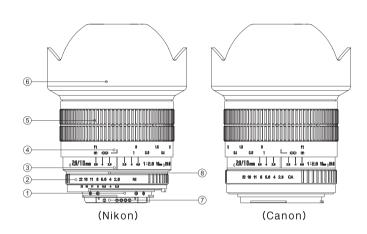
Advantages of the 10mm F2.8 ED AS NCS CS lens.

- 1. Image size of the digital APS-C (1:1.5x) 2. It compensates for aberrations by using a complex aspherical lens 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. The non-detachable petal type hood and UMC (Ultra Multi Coating) design suppresses flaring and ghost images. 4. High strength aluminum body with robust durability
- 5. Nano-coating system (Nano coating system, NCS) of the ultra-low reflection coating for the best picture quality.
- This product is designed with its own mount so you can easily take photographs by mounting the lens directly onto the camera, without installing an additional adaptor. Read this manual carefully to familiarize yourself with your lens for correct use.
- Please read this instruction manual prior to use.

* Please read the Safety Precautions at the back of this instruction manual prior to use.

1. Component Names

[Figure]



① Mount ④ Distance scale 2 Aperture adjustment ring 5 Focusing ring 3 Reference line 6 Hood

⑦ CPU (electronic contacts)

2. Attaching and Detaching

The 10mm F2.8 ED AS NCS CS 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 lens hood gently and 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 in the attachment direction until it makes a clicking sound.

[Detaching] Hold the lens hood gently and press the lens release button on the camera. Turn the lens in the opposite direction of the attaching direction to detach the lens.

3. Focus Adjustment

You can adjust the focus by turning the focusing ring when using the 10mm F2.8 ED AS NCS CS lens, as it is a Manual Focus (MF) adjustment lens.

[Nikon (Fujifilm) F / Pentax (Samsung GX) K Mount]

- ① To change the focus from a subject that is far away to a subject that is close, by using the indication signal on the camera, or by checking visually.
- $\ensuremath{ \ensuremath{ \en$ turn the focusing ring to the right (0.24 m to ∞) and focus on the clearest subject by using the indication signal on the camera, or by checking visually.

[Sony E / Canon, Canon M / FT, MFT / 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 right (∞ to 0.24 m) and focus on the clearest subject by using the indication signal on the camera, or by checking visually.
- $\ensuremath{{\mathcal D}}$ To change the focus from a subject that is close to a subject that is far away, turn the focusing ring to the left (0.24 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 10mm F2.8 ED AS NCS CS lens The F numbers can be set from 2.8 to 22.

5. About Photography

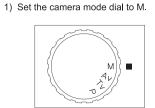
The 10mm F2.8 ED AS NCS CS lens is a wide-angle lens and captures a vivid wide angle of view by minimizing image distortion. You can capture extensive panoramas, which is very useful for landscape shooting.

6. Camera Settings

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

○ Canon Mount

- The diaphragm of the 10mm F2.8 ED AS NCS CS Canon mount is not compatible with 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 adjustment 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.



2) Adjust the shutter speed to achieve the appropriate exposure for the



* For some Canon 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 need to adjust the shutter speed as well, which is required in M mode.

(The procedures above are for the 40D. 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.)

O Nikon (Fujifilm) Mount

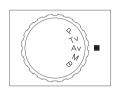
Your Nikon mount has electronic contacts that allow it to communicate with Nikon AF cameras. These contacts enable the A, S, and P modes of the camera. When a subject is correctly in focus, the camera emits a beep or an indicator light comes on.

○ Pentax (Samsung GX) K Mount

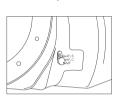
The 10mm F2.8 ED AS NCS CS Pentax (Samsung GX) K Mount supports Av mode.

1) Align the A mode indicator to the distance scale indicator mark 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.



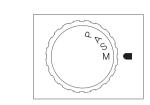
4) Camera Settings The user sets the menu. ▶ The aperture ring is used. ▶ Not allowed.

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

(The procedures above are for the K20D. 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.)

The diaphragm of the 10mm F2.8 ED AS NCS CS Sony (Minolta) mount is not compatible with the camera. 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 adjustment 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.

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 procedures above are for the $\alpha 350. \, \text{The}$ 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

O Konica Minolta (Minolta), DYNA Series Cameras

If this lens is used on some Konica Minolta (Minolta) or 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.

Disabling the release lock function ① Set the main switch of the camera to OFF.

camera manufacturer for detailed information.)

 $\ensuremath{\mathfrak{D}}$ Detach the lens from the camera body and set the main switch of the camera to ON by pressing the following two buttons.

9xi ··· function button + AE lock button 7xi ··· function button + AE lock button 5xi ··· function button + spot button 3xi ··· Modification is required at a service

807si ··· AEL button + shooting scene select button 707si ··· card button + spot button

507si ··· lens exchange button + ISO lock button DYNAX3L ··· shooting scene select button

 $\alpha\text{-Sweet S}\cdots$ (set the function dial to multi

P button + self-timer button DYNAX30 ··· self-timer button + turn the left dial on the main body away from OFF. $\alpha\textsc{-Sweet II}, II \ L \cdots \ \textsc{Set}$ the camera to custom function 14 and change selection number

303si SUPER ··· drive button + spot button

button + screen select button

101si ··· self-timer button + flash button

360si · · · self-timer continuous shooting

α-Sweet ··· self-timer continuous shooting

button + spot button

light exposure)

 $\alpha\text{--}7, -9, -\text{Ti} \cdots$ Set the camera to custom function 16 and change the selection number from 1 to 2 (N.A).

 $\alpha\text{-Sweet digital}\cdots$ Execute the following operation.

 α -7 Digital - Execute the following operation. $\mathsf{MENU} \Rightarrow {}^*3 \Rightarrow \mathsf{Release} \ \mathsf{lock} \ \mathsf{without} \ \mathsf{the} \ \mathsf{lens} \Rightarrow \mathsf{To} \ \mathsf{the} \ \mathsf{right} \Rightarrow \mathsf{N.A.} \Rightarrow \mathsf{Execute} \ \bullet \Rightarrow \mathsf{MENU}$

release lock function, perform the above procedure again.

* If the release lock is disengaged in the above way, the state of disenga maintained even though the main switch is turned off. If you want to enable the

(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

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

The diaphragms of the 10mm F2.8 ED AS NCS CS 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 adjustment 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.



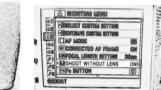


(The procedures above are for the Canon M. The settings for the camera or the menu may vary based on the camera model or due to a functional upgrade. Refer to the camera instruction manual or contact the camera manufacturer for detailed information.)

[FUJIFILM X Mount]

1) Set the focus mode to M.



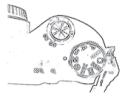


2) Press the MENU/OK button, and select ON at 'Shoot without lens' in the

(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

[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.



contact the camera manufacturer for detailed information.)



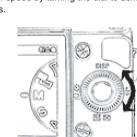
* For some Samsung NX cameras, if you set the camera mode dial to A and set the automatically changes the shutter speed. Therefore you don't need to adjust the shutter speed as well, which is required in M mode. (The procedures above are for the NX200. The settings for the camera or the menu may vary based

on the camera model or due to a functional upgrade. Therefore refer to the camera manual or contact the camera manufacturer for detailed information.)

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[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 adjustment ring on the lens, the camera automatically changes the shutter speed. Therefore you don't need to adjust the

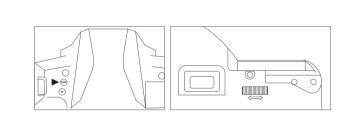
(The procedures above are for the NEX-5. The settings for the camera or the menu may vary based on the model or due to a functional upgrade. Refer to the camera manual or contact the camera manufacturer for detailed information.)

shutter speed as well, which is required in M mode.

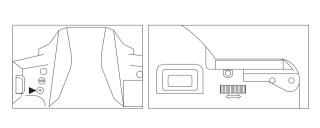
The diaphragms of the 10mm F2.8 ED AS NCS CS Four Thirds and Micro Four Thirds mounts are not compatible with the cameras. If the brightness is set to F8 or above, you may not be able to set the correct focus due to a difficulty in viewing the subject through the camera viewfinder. Turn the aperture adjustment 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]

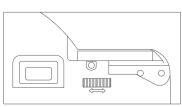
1) Hold down the MODE button and turn the dial until it is set to M. (shooting conditions) MODE + control dial ► M mode setting (manual shooting)



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.

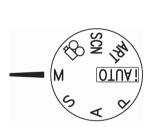


the camera manufacturer for detailed information.)

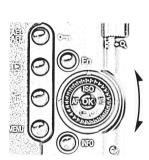
(The procedures above are for the Olympus E-3. The settings for the camera or the menu may vary based on the camera model or due to a functional upgrade. Refer to the camera manual or contact

[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 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.)

. Specifications	

SPECIFICATIONS		1:2.8 10mm ED AS NCS CS									
APERTURE RANGE		F2.8 ~ 22									
OPTICAL CONSTR	UCTION	14 ELEMENTS IN 9 GROUPS (2 ASPHERICAL LENS)									
MINIMUM FOCUSIN	NG DISTANCE	0.24m(0.79ft)									
FILTER SIZE		NONE									
MAXIMUM DIAMET	ER	Ø 87mm									
MOUNT		CANON EOS	NIKON AE	PENTAX K	SONY a	CANON M	FUJIFILM X	SAMSUNG NX	SONY E	FOUR -THIRDS	MICRO FOUR -THIRDS
ANGLE OF VIEW	APS-C	105.9	109.5°	109.5°	109.5	105.9°	109.5°	109.5°	109.5		
	FOUR-THIRDS (4/3")	•	•					•	•	93.4°	93.4*
LENGTH		106.1mm	103.6mm	104.6mm	105.6mm	132mm	132.4mm	124.6mm	132.1mm	111.4mm	130.9mm
WEIGHT		590g	580g	580g	585g	620g	625g	615g	620g	610g	620g
FUNCTION		A / S / M / P mode (NIKON AE)									

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.			
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.	Use the focusing ring to adjust the focus.			
Dark or too bright pictures	Inappropriate exposure	Adjust the aperture adjustment ring accordingly.			
The course flesh is not	The non-CPU lens may not be compatible, depending on the camera.	See the camera manual.			
The camera flash is not functioning.	This lens corresponds to the Nikon Al-P lens.	See the camera manual or flash manual, This lens is not a "D-type" lens (which relays distance information to the camera).			
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			
Zooming 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 the 16 mm F2.0 ED AS UMC CS lens.	Use each company's own mount converter, However, be aware that auto focusing is unavailable.			

9. Safety Precautions

according to the level of o		Requires caution. Inside the picto	gram it shows contents of precautions.				
△ WARNING	△ CAUTION						
If this instruction is not	If this instruction is not followed, it may cause death	Shows prohibition. Inside the pictogram it shows contents of prohibition. (It shows prohibition of dismanlling in the pictogram on the left.)					
followed, it may cause death or severe injury to the user.	or severe injury to the user.	Shows instruction. Inside the pictor (It shows instruction of precaution	ogram it shows contents of instructions. in the pictogram on the left.)				
↑ WARNING	△ CAUTION						
Don't look at the sun through the lens, It may cause blindness.	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.	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.	Ensure that the camera operates properly by checking the lens beforehand or test shooting for important events such as a wedding ceremony overseas trip.				
Don't leave the lens within reach of bables, as it may cause injury to the baby if the lens falls of is dropped.	Don't attempt to modify or alter the lens, it may lead to fallure of the camera. Modified or altered lenses may not be repaired.	Don't leave the lens in direct sunlight. It may cause a fire, depending on lenses that concentrate light on a close object.	Don't look at the sun directly through a camera with a lens attached. It may cause damage to one's eyesight.				
WARNING!	product or expose it to	a moiet on vironmon	at It may agua 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.

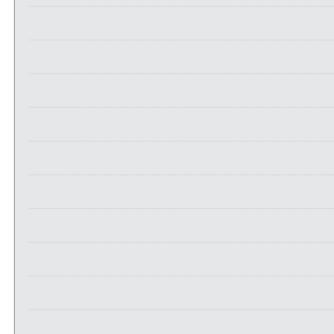
• Do not leave the lens in conditions where drastic temperature changes can

• 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.

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