

# 10mm F2.8 ED AS NCS CS

## Instruction Manual

Thank you for purchasing the 10mm F2.8 ED AS NCS CS lens. We believe that you will have a special photographic experience with the 10mm F2.8 ED AS NCS CS lens.

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

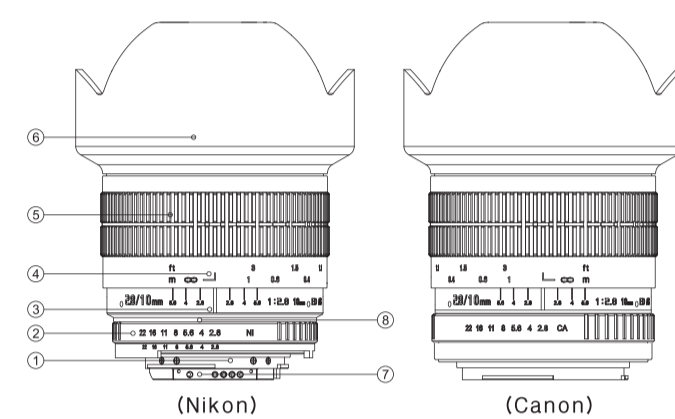
- 1. Image size of the digital APS-C (1:1.5x)
2. It compensates for aberrations by using a complex aspherical lens and, at the fully opened position, produces a high resolution and a high contrast at the center of the lens as well as around the periphery.
3. The non-detachable petal type hood and UMC (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. Please read this instruction manual prior to use.

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### 1. Component Names

#### [Figure]



- 1 Mount
2 Aperture adjustment ring
3 Reference line
4 Distance scale
5 Focusing ring
6 Hood
7 CPU (electronic contacts)
8 Red ring

### 2. Attaching and Detaching

The 10mm F2.8 ED AS NCS CS lens mount is uniquely designed for Canon, Nikon (Fujifilm), Pentax (Samsung GX) K, Sony (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, turn the focusing ring to the left (= to 0.24 m) and focus on the clearest subject by using the indication 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 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.
2 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.

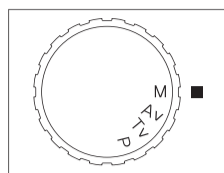
### 6. Camera Settings

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

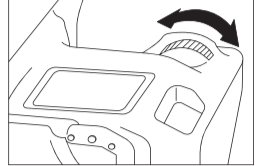
#### [Canon Mount]

The diaphragm of the 10mm F2.8 ED AS NCS CS Canon mount is not compatible with 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) Adjust the shutter speed to achieve the appropriate exposure for the brightness.



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 46D. 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.)

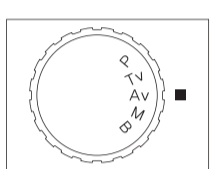
#### [Nikon (Fujifilm) Mount]

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.

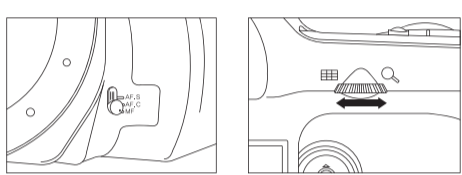
#### [Pentax (Samsung GX) K Mount]

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.



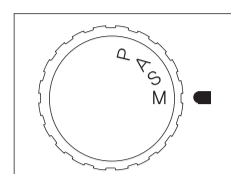
- 4) Camera Settings
The user sets the menu. The aperture ring is used. Not allowed.
5) Adjust the brightness by turning the dial at the back of the camera.

(The procedures above are for the K200D. 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.)

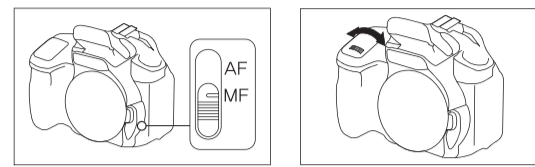
#### [Sony (Minolta) / Mount]

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 a350. 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.)

#### [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 follows.

#### 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 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 center.
807si ... AEL button + shooting scene select button
707si ... card button + spot button
507si ... lens exchange button + ISO lock button
DYNA3XL ... shooting scene select button + button
303si ... AV button + self mode button
303si SUPER ... drive button + spot button
101si ... self-timer button + flash button
360si ... self-timer continuous shooting button + screen select button
o-Sweet ... self-timer continuous shooting button + spot button
o-Sweet S ... (set the function dial to multi light exposure)
P button + self-timer button

o-Sweet II, II L ... Set the camera to custom function 14 and change selection number from 1 to 2 (N.A.).
o-7, -9, -Ti ... Set the camera to custom function 16 and change the selection number from 1 to 2 (N.A.).

- o-Sweet digital ... Execute the following operation.
MENU => \*2 => Release lock without the lens => To the right => N.A. => Execute => MENU
o-7 Digital ... Execute the following operation.
MENU => \*3 => Release lock without the lens => To the right => N.A. => Execute => MENU

If the release lock is disengaged in the above way, the state of disengagement is maintained even though the main switch is turned off. If you want to enable the release lock function, perform the above procedure again.

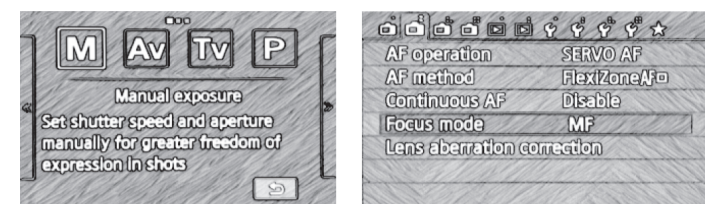
(The settings for the camera or the menu may vary based on the camera model or due to a functional upgrade. Refer to the camera instruction manual or contact the camera manufacturer for detailed information.)

#### [Mirrorless Cameras (Canon M, Samsung NX, Sony E, Fujifilm X)]

The diaphragm 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]

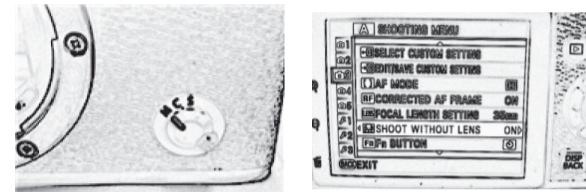
- 1) Set the exposure to manual exposure (M) and change the focus mode to MF.



(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 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.)

#### [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.

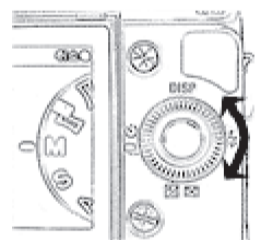


For some Samsung NX cameras, if you set the camera mode dial to A and set the brightness by turning the aperture adjustment ring on the lens, the camera automatically changes the shutter speed. Therefore you don't need to adjust the shutter speed as well, which is required in M mode.

(The procedures above are for the 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.)

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

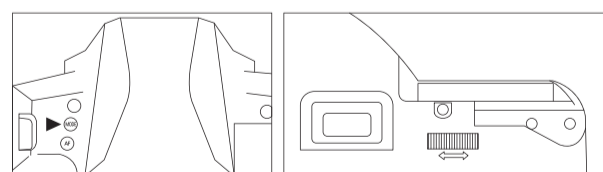
(The procedures above are for the NEX-5. The settings for the camera or the menu may vary based on the model or due to a functional upgrade. Refer to the camera manual or contact the camera manufacturer for detailed information.)

#### [Four Thirds, Micro Four Thirds]

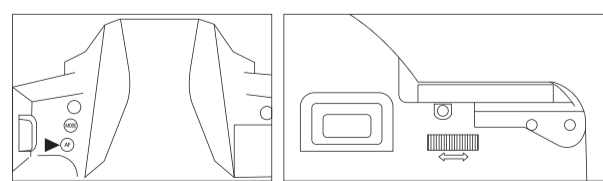
The diaphragms of the 10mm F2.8 ED AS NCS CS Four Thirds and Micro Four Thirds mounts are not compatible with the cameras. If the brightness is set to F8 or above, you may not be able to set the correct focus due to a difficulty in viewing the subject through the camera viewfinder. Turn the aperture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

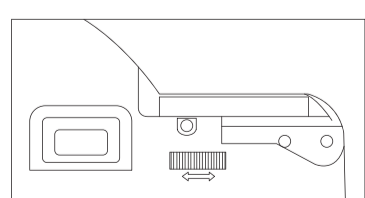
- 1) Hold down the MODE button and turn the dial until it is set to M. (shooting conditions)
MODE + control dial M mode setting (manual shooting)



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



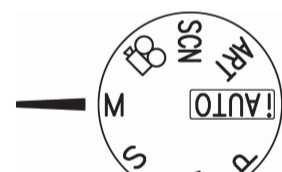
- 3) Adjust the shutter speed to achieve the appropriate exposure for the brightness by turning the dial.



(The 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 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.)

### 7. Specifications

Table with columns for Specifications and 10mm ED AS NCS CS. Rows include Aperture Range (F2.8-22), Optical Construction (14 Elements in 9 Groups (2 Aspherical Lens)), Minimum Focusing Distance (0.24m (0.79')), Filter Size (None), Maximum Diameter (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: 166.9°, 106.5°, 109.5°, 109.5°, 109.5°, 109.5°, 109.5°, 109.5°, 109.5°, 109.5°; Four-Thirds (4/3): 106.1°, 103.6mm, 104.6mm, 105.6mm, 132mm, 132.4mm, 124.6mm, 132.1mm, 111.4mm, 131.9mm), Length (196.1mm, 580g, 580g, 580g, 580g, 620g, 625g, 615g, 620g, 610g, 620g), Weight (580g, 580g, 580g, 580g, 620g, 625g, 615g, 620g, 610g, 620g), Function (A/S/M/P mode (Nikon AE)).

### 8. Troubleshooting

Troubleshooting table with columns for Issue, Causes, and Corrective Action. Issues include lens not attaching, blurry images, dark or too bright pictures, camera flash not functioning, camera finder indication or display does not display, zooming failure, and lens cannot be mounted on other cameras.

### 9. Safety Precautions

Safety Precautions section containing multiple WARNING and CAUTION icons and text. It covers topics like avoiding damage to the lens, avoiding moisture, avoiding heat, and avoiding contact with the lens surface.

MEMO section for the Sony E Mount camera.

MEMO section for the Canon M Mount camera.

MEMO section for the Four Thirds/Micro Four Thirds camera.

MEMO section for the Samsung NX Mount camera.