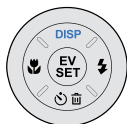


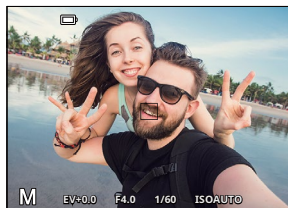
Using the DISP Key

By pressing the [**▲ DISP**] (Display) key, you can change the content displayed on the screen during shooting and playback. The display switches each time as the [**▲ DISP**] key is pressed.

During shooting



Function Message Display



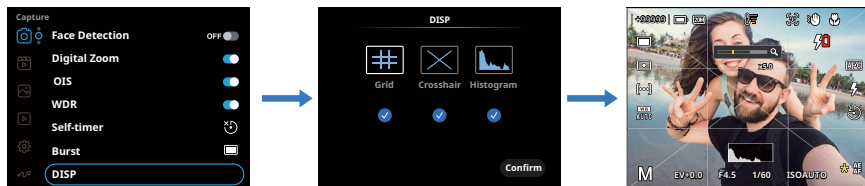
No Message Display



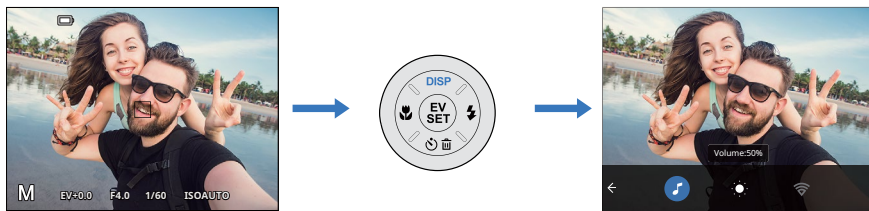
If you want to display grid and histogram, you need to check them via the following procedure:

1. In each mode, press the **(MENU)** key and select **(DISP)**. Press the **(EV SET)** key to enter the Main Menu, select **(DISP)** and press the **(EV SET)** key to confirm.
2. Press the [**▼** **(EV SET)**] key twice and press the **(EV SET)** / [**▶** **(EV SET)**] key twice to enter the menu.
3. Select [DISP] and press the **(EV SET)** / [**▶** **(EV SET)**] key to enter the menu.
4. Press the **(EV SET)** key to check or cancel the options. Press the [**▼** **(EV SET)**] key to select [Confirm] and press the **(EV SET)** key to confirm.

5. Press the  key and the shooting screen will appear.



Quick calls



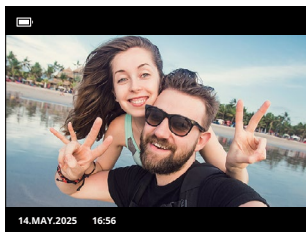
Press the [] / [] keys to select the item you want to set and press the  key to set. When the setting is complete, press the [] key to return the shooting screen.

-  : Turn sound volume off/on. (The volume level can be set in the [Beep Sound] menu on the page 83)
-  : Select power saver or other screen brightness value (Brightness values can be set in the [Screen Brightness] menu on the page 84)
-  : Turn your wireless network off/on.

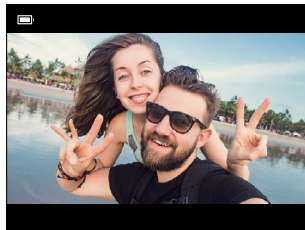
During playback (▶)

Press the  key to display the playback screen, press the [ DISP] key to switch among 3 screens.

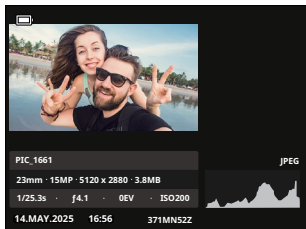
Function Message Display



No Message Display



Detailed Message Display



Using the Macro Key

The Macro setting is ideal for shooting small objects or close-up photos. This mode allows you to focus on subjects very close to the camera.



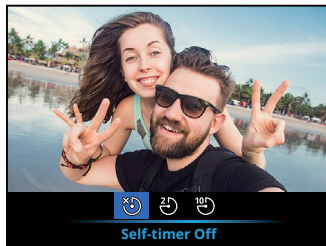
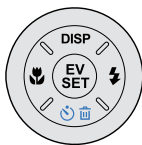
-  Macro On
Select this option to focus on the object closer to the lens (At the W side, the shooting distance should be more than 1 cm).
-  Macro Off
Select this option to disable macro.

Macro Key Setting

If you assign frequently used functions to the Macro Key ([◀ ]) in advance, you can quickly call up those functions simply by pressing the key in the shooting screen. (See page 50-51)

Using the Self-timer Key

Using this function to take pictures at pre-set intervals. The camera can be set to shoot after pressing the Shutter Key 2 seconds or 10 seconds.



-  **Self-timer Off**
Disables the Self-timer.
-  **Self-Timer (2s)**
A single picture is shot 2 seconds after the Shutter Key is pressed.
-  **Self-Timer (10s)**
A single picture is shot 10 seconds after the Shutter Key is pressed.



The self-timer settings will remain in effect after shooting. Self-timer mode can be turned off by turning the camera off and then on again.

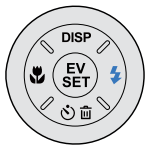
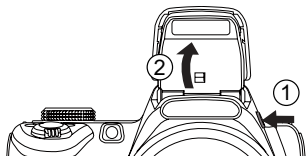


When enabling the Self-timer, pressing the Shutter Key or the [▼ ⏏] key can disable the Self-timer and return to the shooting screen while keeping the Self-timer setting.

Using the Flash Key

The flash provides supplemental light for the scene. The flash is usually used when shooting against the light to highlight the object; it is also suitable for metering and shooting in darker scenes to improve the exposure.

Press the Flash Key  to pop up the flash.



-  **Force Off**
Flash is turned off.
-  **Flash On**
The flash goes off when a picture is taken, supplementing the existing light in a scene and helping to eliminate shadows.
-  **Auto Flash**
Camera flash goes off automatically based on existing light conditions.
-  **Red-Eye Reduction**
The camera emits a brief pre-flash before the picture is taken to reduce red-eye effects.
-  **Slow Sync.**
This allows you to take pictures of people at night that clearly show both your subjects and the night time backdrop. The use of a tripod is recommended when shooting with this setting.
-  **Slow Sync.+Red-Eye Reduction**
Use this mode for slow synchrony shots with red-eye reduction.

Flash Key Setting

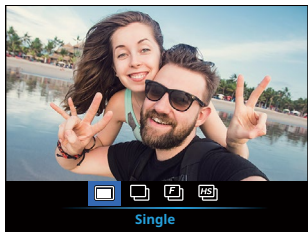
If you assign frequently used functions to the Flash Key ([► ⚡]) in advance, you can quickly call up those functions simply by pressing the key in the shooting screen. (See page 50-51)



When the flash is activated, Burst Shot and WDR functions are disabled.

Using the Burst Key

Use this setting to perform continuous shooting. After entering this mode, you can shoot multiple images by continuously holding the Shutter Key down.



-  **Single**
Capture a single shot only.
-  **Burst Shot**
For taking more than one picture continuously.
-  **Fast Burst**
For continuous shot with 4M pixel.
-  **High Speed Burst**
For continuous shot with 2M pixel.

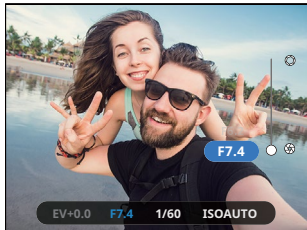
Burst Key Setting

If you assign frequently used functions to the Burst Key () in advance, you can quickly call up those functions simply by pressing the key in the shooting screen. (See page 50-51)

Using the Aperture Key

The EV function menu of the camera includes functions, such as Aperture Adjustment, EV (Exposure Value) Adjustment, ISO, Shutter Adjustment. Using the appropriate function settings can improve your pictures.

1. Press the  /  key to display the settings screen.



2. Press the [ ] / [ ] keys to select the Setting options.
3. Press the [ DISP] / [  ] keys to adjust the option values.
4. Press the  key to complete the setting and enter shooting screen.

Aperture Adjustment

You can adjust the aperture size value. Selecting a large aperture opening will emphasize the point of focus and show a blurry background and foreground. A small aperture opening will keep both the background and main object in clear focus.

EV Adjustment

Set up Exposure Compensation to adjust the picture brightness. If there is very high contrast between the photographed object and the background, the brightness of the picture can be adjusted as necessary. The adjustable range of exposure value is from EV -3.0 to EV +3.0.

ISO Adjustment

ISO allows you to set the sensitivity of the camera sensor. Use a higher ISO value in darker places and a lower value in brighter conditions.

Options of ISO value: Auto (100~1600), 100, 200, 400, 800, 1600 and 3200.

Shutter Speed Adjustment

For shutter speed, the camera may automatically set the aperture value corresponding to the manually set shutter speed so as to obtain a most suitable exposure value. The movement of object may be shown by adjusting the shutter speed. High shutter value can help you more clearly capture fast moving objects, while low shutter value can better show the movement of objects.

Options in the shooting mode (O: Available X: Automatically displayed, not available)

Options \ Mode	P	A	S	M					SCN	
										Others
Aperture	X	O	X	O	X	X	X	X	X	X
Shutter	X	X	O	O	X	X	X	X	X	X
EV	O	O	O	X	O	O	O	X	O	X
ISO	O	O	O	O	O	O	X	X	X	X



If each option is available in the mode set to **U1 / U2**, the option is available in **U1 / U2** mode; otherwise, it is not available.

Using the AE-L/AF-L Key

Press the  key to lock the focus / exposure and press the  key again to remove this lock.



- ✱  **AE**: AE-lock
When the contrast between the subject and background is high, meter the light at a spot where the subject appears to have the appropriate brightness and lock the exposure before shooting. To reduce the brightness of the subject, meter the light at a spot brighter than the subject and lock the exposure of the entire screen. To make the subject brighter, meter the light at a spot darker than the subject and lock the exposure of the entire screen.
- ✱  **AF**: AF-lock
When you focus on the subject, half-press the Shutter Key to focus, then press the  key to lock the focus. Switch to the desired composition and press the Shutter Key all the way down to take the picture.
- ✱  **AE AF**: AEL&AFL
Lock focus and exposure at the same time.

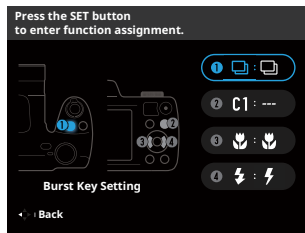
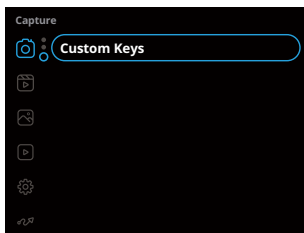
Using the C1 Key

If you assign frequently used functions to the C1 Key () in advance, you can quickly call up those functions simply by pressing the key in the shooting screen.

Custom Keys Settings

You can set and check the functions assigned to each custom key via the following procedure:

1. Press the  key and select . Press the  key to enter the Main Menu, select  and press the  key to confirm.
2. Press the [  ] key twice and press the  / [ ] key to enter the menu.
3. Press the [ **DISP**] / [  ] key to select [Custom Keys] and press the  / [ ] key to enter the menu.



4. Press the [ **DISP**] / [  ] keys to select the key to set and press the  key to enter the menu.

5. Press the [ **DISP**] / [  ] keys to select the options and press the  key to confirm.

Custom Keys	Default	Configurable functions		
Burst Key	Burst	Unassigned	AEL&AFL	OIS
C1 Key	Unassigned	Aperture	WB	Flash
		Shutter	Focus Area	Burst
Flash Key	Flash	EV	AF Mode	WDR
		ISO	Macro	Self-timer
Macro Key	Macro	Exposure Metering	Face Detection	Photo Size

6. Press the  key and the shooting screen will appear.

7. Press the corresponding button to quickly enter the selected menu screen. Press the [ ] / [ ] keys to select the option and press the  key to confirm.

Using the Menu Key

Modes:  **P** **A** **S** **M**   **U1** **U2** **SCN**

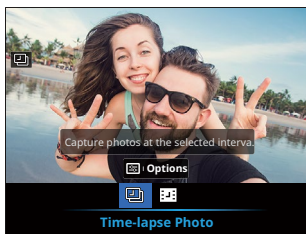
1. In each mode, press the  key to enter the Function Menu.

-  [Menu](#)
-  [Burst](#)
-  [Time-lapse Photo & Time-lapse Video](#)
-  [WDR Video](#)
-  [Exposure Metering](#)
-  [Focus Area](#)
-  [WB](#)
-  [AF Mode](#)
-  [Flash](#)
-  [Self-timer](#)

 Different features are enabled for each mode, please refer to page 59 of this manual for details.

2. Press the [ **DISP**] / [  ] / [ ] / [ ] keys to select the function to be set and then press the  key to confirm.
3. Press the [ ] / [ ] keys to select options of the function to be set and then press the  key to confirm.

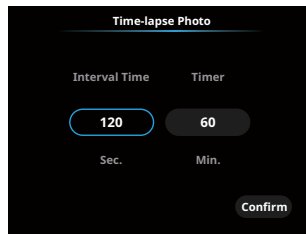
Time-lapse Photo & Time-lapse Video



Time-lapse Photo

Time-lapse Video

A time-lapse video combines images automatically captured at specified intervals.

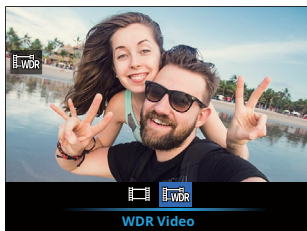


Press the key to enter the menu. Press the [] / [] keys to select the item to set and press the [**DISP**] / [] keys to select a value. Press the key to confirm.

- Time-lapse Photo
Capture photos at the selected interval.
Interval Time: 1~120 Sec.
Timer: Off, 15Min., 30 Min., 60 Min.
- Time-lapse Video
A time-lapse video combines images automatically captured at specified intervals.
Interval Time: 1~120 Sec.
Timer: Off, 15Min., 30 Min., 60 Min.
Video Segment: 3 Sec., 5 Sec., 10 Sec.

WDR Video

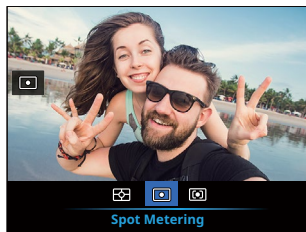
Active wide dynamic range in Movie Mode ().



-  Normal Video
-  WDR Video

Exposure Metering

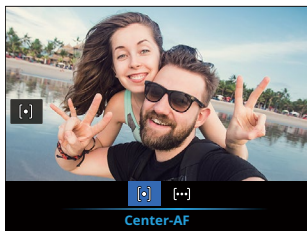
Use this setting to select the “target” size of the camera’s field of view to be metered.



-  Average Metering
Evaluates the light intensity at multiple points in the frame and automatically determines the best value for the light meter.
-  Spot Metering
For metering the block displayed in the center of the screen.
-  Center Metering
For metering the object in the center of the screen.

Focus Area

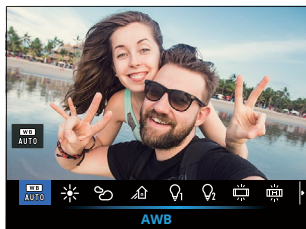
In different photo shooting modes, you can select different focus methods.



-  **Center-AF**
The focus frame appears on the center of the LCD to help you focus on the subject.
-  **Multi-AF**
The camera automatically focuses the subject in a wide area to find the focus point.

WB

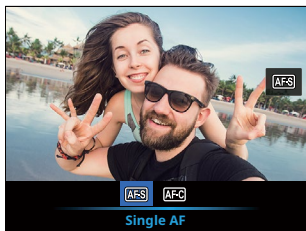
The white balance function allows adjustment of the color temperature for different light sources.



-  AWB
 -  Daylight
 -  Cloudy
 -  Shade
 -  Incandescent(warm)
 -  Incandescent(cool)
 -  Fluorescent(warm)
 -  Fluorescent(cool)
 -  Manual WB1
 -  Manual WB2
 -  Color Temp. (1900K~10000K)
- Set WB according to the current light source, press the  key to set.
- Press the  key to enter the Press the [ DISP] / [ ] key to adjust the color temperature value. Press the  key to confirm.

AF Mode

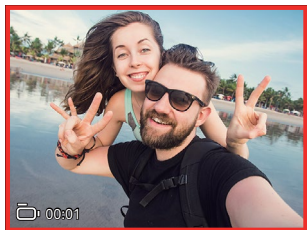
Selects the focus method to suit the subject.



-  **Single AF**
Locks the focus once focusing is complete. Use this when the subject is motionless.
-  **Cont.AF**
Continues focus. Use this when the subject is in motion.

Using the Fast Video Recording Key

In photo shooting mode, press the  key to begin recording video. Once you are finished, press the  key again to stop recording. The camera will save the video and return to the shooting screen.



During recording, if the camera temperature is too high (above 158° F/70° C), a recording interruption may occur and a message "Temperature Too High! The camera needs to rest for a while before it can be used again." pops up on the screen.