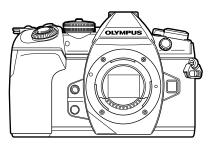
OLYMPUS

DIGITAL CAMERA



Instruction Manual



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Model No. : IM002

- Thank you for purchasing an Olympus digital camera. Before you start to use your new camera, please read these instructions carefully to enjoy optimum performance and a longer service life. Keep this manual in a safe place for future reference.
- We recommend that you take test shots to get accustomed to your camera before taking important photographs.
- The screen and camera illustrations shown in this manual were produced during the development stages and may differ from the actual product.
- If there are additions and/or modifications of functions due to firmware update for the camera, the contents will differ. For the latest information, please visit the Olympus website.

This notice concerns the supplied flash unit and is chiefly directed to users in North America.

Information for Your Safety

IMPORTANT SAFETY INSTRUCTIONS

When using your photographic equipment, basic safety precautions should always be followed, including the following:

- · Read and understand all instructions before using.
- Close supervision is necessary when any flash is used by or near children. Do not leave flash unattended while in use.
- · Care must be taken as burns can occur from touching hot parts.
- Do not operate if the flash has been dropped or damaged until it has been examined by qualified service personnel.
- · Let flash cool completely before putting away.
- To reduce the risk of electric shock, do not immerse this flash in water or other liquids.
- To reduce the risk of electric shock, do not disassemble this flash, but take it to qualified service personnel when service or repair work is required. Incorrect reassembly can cause electric shock when the flash is used subsequently.
- The use of an accessory attachment not recommended by the manufacturer may cause a risk of fire, electric shock, or injury to persons.

SAVE THESE INSTRUCTIONS

Indications used in this manual

The following symbols are used throughout this manual.

100 F LING	Useful information and hints that will help you get the most out of your camera.
RF .	Reference pages describing details or related information.

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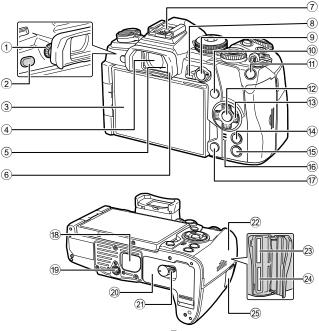
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Names of parts

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 $^{\ast}\,$ In this manual, the $\,\widehat{\otimes}\,$ and $\,\widehat{\otimes}\,$ icons represent operations performed using the front dial and rear dial.



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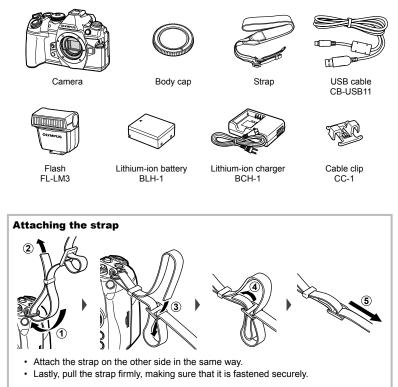
* In this manual, the $\Delta \nabla \triangleleft \triangleright$ icons represent operations performed using the arrow pad.

Preparation

Unpacking the box contents

The following items are included with the camera.

If anything is missing or damaged, contact the dealer from whom you purchased the camera.



Attaching the cable clip

Use the cable clip to secure the cable, then attach it to the strap. The cable clip can also be attached to the strap eyelet.

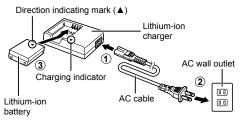


Charging and inserting the battery

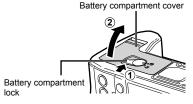
1 Charge the battery.

Charging indicator			
Charging in progress	Less than 50%	Blinks in orange 1 time/second	
	50% or more Less than 80%	Blinks in orange 2 times/second	
	80% or more Less than 100%	Blinks in orange 3 times/second	
Charging complete		Lights up in green	
Charging error		Blinks in green 5 times/second	

(Charging time: Approximately 2 hours)

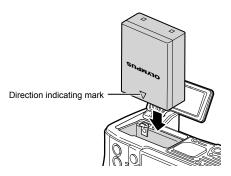


- Unplug the charger when charging is complete.
- **2** Open the battery compartment cover.



1

3 Loading the battery.



Removing the battery

Turn off the camera before opening or closing the battery compartment cover. To remove the battery, first push the battery lock knob in the direction of the arrow and then remove.

Contact an authorized distributor or service center if you are unable to remove the battery. Do not use force.



- It is recommended to set aside a backup battery for prolonged shooting in case the battery in use drains.
- Also read "Battery and charger" (P. 146).

1

Inserting the card

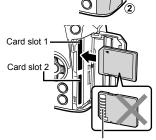
The following types of SD memory card (commercially available) can be used with this camera: SD, SDHC, SDXC, and Eye-Fi.

Eye-Fi cards

Read "Usable cards" (P. 147) before use.

1 Open the card compartment cover.

- **2** Slide the card in until it is locked into place.
 - Shooting data will be recorded according to the selected option for [Save Settings] (P. 54).
 - IS "Usable cards" (P. 147)
 - Turn off the camera before loading or removing the card.
 - Do not forcibly insert a damaged or deformed card. Doing so may damage the card slot.



Terminal area

Ð

- **3** Close the card compartment cover.
 - · Close it securely until you hear it click.
 - Be sure the card compartment cover is closed before using the camera.
 - · Cards must be formatted with this camera before first use (P. 110).
 - If a UHS-II card is inserted into the slot 2 (UHS-I compatible), the card operates as UHS-I.
 - · Multiple Eye-Fi cards cannot be used at the same time.

Removing the card

Press the card in to eject it. Pull out the card.

• Do not remove the battery or card while the card write indicator (P. 21) is displayed.



1 Remove the rear cap of the lens and the body cap of the camera.



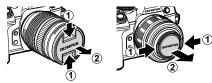
2 Align the lens attachment mark (red) on the camera with the alignment mark (red) on the lens, then insert the lens into the camera's body.

3 Rotate the lens clockwise until you hear it click (direction indicated by arrow ③).

Lens attachment mark



- Make sure the camera is turned off when attaching or removing the lens.
- Do not press the lens release button.
- Do not touch internal portions of the camera.
- Removing the lens cap



Removing the lens from the camera

Make sure the camera is turned off when removing the lens. While pressing the lens release button, rotate the lens in the direction of the arrow.

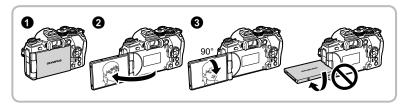


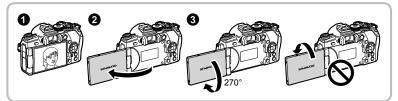
Interchangeable lenses

Read "Interchangeable lenses" (P. 149).

Using the monitor

You can change the orientation and angle of the monitor.





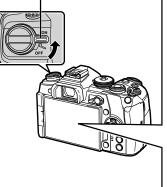
- Rotate the monitor gently within the limits shown. Do not use force; failure to observe this
 precaution could damage the connectors.
- If you are using a power zoom lens, it will automatically move to the wide angle side when the monitor is set in the selfie position.
- When the monitor is in the selfie position, you can switch to the screen for taking self portraits.
 "Shooting self-portraits using the selfie assist menu" (P. 129)

Turning the camera on

1 Set the **ON/OFF** lever to the **ON** position.

- · When the camera is turned on, the monitor will turn on.
- To turn the camera off, return the lever to the OFF position.





Monitor

Battery level

Battery icon and battery level (%) are displayed.

- (green): The camera is ready to shoot.
- (green): The battery is not full.
- (green): The battery is low.

(blinks red): Charge the battery.



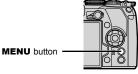
Camera sleep operation

If no operations are performed for a minute, the camera enters "sleep" (stand-by) mode to turn off the monitor and to cancel all actions. The camera activates again when you press any button (the shutter button, **>** button, etc.). The camera will turn off automatically if left in sleep mode for 4 hours. Turn the camera on again before use.

Setting the date/time

Date and time information is recorded on the card together with the images. The file name is also included with the date and time information. Be sure to set the correct date and time before using the camera. Some functions cannot be used if the date and time have not been set.

- Display the menus. 1
 - Press the MENU button to display the menus.





- Select [①] in the [f] (setup) tab.
 - Use $\Delta \nabla$ on the arrow pad to select [**f**] and press \triangleright .
 - Select [④] and press ▷.



Shooting Menu 1

- 3 Set the date, time, and date format.
 - Use ⊲▷ to select items.
 - Use △ ▽ to change the selected item.
- **4** Select [**4**] (changing the display language) in the [1] (setup) tab.
 - · You can change the language used for the on-screen display and error messages from English to another language.



The time is displayed using a 24-hour clock.

- 5 Save settings and exit.
 - Press the is button to set the camera clock and exit to the menu.
 - Press the MENU button to exit the menus.
- · If the battery is removed from the camera and the camera is left for a while, the date and time may be reset to the factory default setting.

413

4:3

Off

1



Information displays while shooting

Monitor display during still photography

(1234567890128)(12) (13)(14) **(43)** 100 💬 WH FP RC IKI 🔁 FS 🕿 🤐 😁 🐫 f T 28mm 4 (42)-4 S-IS AUTO = (15) (41)-Þ 213 (16) (40)-S-AF 17) AUTO 39 ISO-A 400 -18 (38)-4-2.0 4:3 -19 (37)--20 Ę. -21) 3 +7 FHDF 36 C1 AEL 🗘 • (44) (22) 21:02:03 35 250 F5.6 +2.0 Ρ **n**1023 (23) 34333231 30 (27) 25 24 (29) (28) (26)

Monitor display during movie mode



20 EN

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-	warning C /°FP. 164
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	FlashP. 57 (blinks: charging in progress, lights up: charging completed)
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14 15	FlashP. 57 (blinks: charging in progress, lights up: charging completed) AF confirmation markP. 25 Image stabilizerP. 53
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14 15 16 17	FlashP. 57 (blinks: charging in progress, lights up: charging completed) AF confirmation markP. 25 Image stabilizerP. 53 Picture modeP. 61, 88 White balanceP. 42, 52 Sequential shooting/Self-timer/ Anti-Shock shooting/Silent shooting/
14 15 16 17	FlashP. 57 (blinks: charging in progress, lights up: charging completed) AF confirmation markP. 25 Image stabilizerP. 53 Picture modeP. 61, 88 White balanceP. 42, 52 Sequential shooting/Self-timer/ Anti-Shock shooting/Silent shooting/ Pro Capture shooting/
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14 15 16 17	FlashP. 57 (blinks: charging in progress, lights up: charging completed) AF confirmation markP. 25 Image stabilizerP. 53 Picture modeP. 61, 88 White balanceP. 42, 52 Sequential shooting/Self-timer/ Anti-Shock shooting/Silent shooting/ Pro Capture shooting/

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43	Battery level			
44	Live guide recall		P.	31

Switching between displays

The camera is equipped with an eye sensor, which turns the viewfinder on when you put your eye to the viewfinder. When you take your eye away, the sensor turns the viewfinder off and turns the monitor on.



Monitor



Put your eye to the viewfinder



Viewfinder

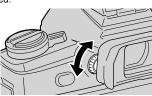


Live view is displayed on the monitor.



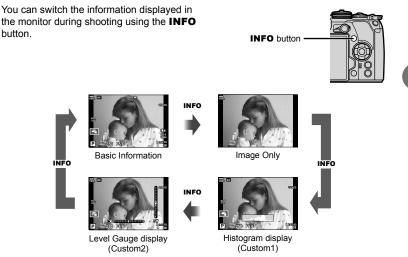
The viewfinder turns on automatically when you bring it to your eye. When the viewfinder is lit up, the monitor turns off.

- The viewfinder will not turn on when the monitor is tilted.
- If the viewfinder is not in focus, put your eye to the viewfinder and focus the display by rotating the diopter adjustment dial.



- Press the |O| button to switch between live view and viewfinder shooting (live view and super control panel display). If the super control panel (P. 50) is displayed in the monitor, the viewfinder will turn on when you put your eye to the viewfinder.
- You can display the EVF Auto Switch setting menu if you press and hold the |◯| button. IS [EVF Auto Switch] (P. 121)

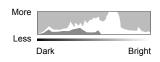
Switching the information display



- You can change Custom1 and Custom2 settings. IS [►/Info Settings] > [LV-Info] (P. 115), [□ Info Settings] (P. 121)
- The information shown in movie (𝒫) mode can differ from that displayed in still photography mode. 𝚱 Video Menu > [𝒫 Display Settings] (P. 101)
- The information display screens can be switched in either direction by rotating the dial while pressing the **INFO** button.

Histogram display

A histogram showing the distribution of brightness in the image is displayed. The horizontal axis gives the brightness, the vertical axis the number of pixels of each brightness in the image. Areas above the upper limit at shooting are displayed in red, those below the lower limit in blue, and those within the spot metering range in green.



Level gauge display

The orientation of the camera is indicated. The "tilt" direction is indicated on the vertical bar and the "horizon" direction on the horizontal bar.

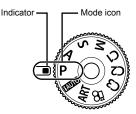
Use the indicators on the level gauge as a guide.

2

Shooting

Shooting still pictures

Use the mode dial to select the shooting mode, and then shoot the image.



Types of shooting modes

For how to use the various shooting modes, see the following.

P	P. 26
Α	P. 27
S	P. 28
Μ	P. 29

FAUTO	P. 31
ART	P. 33
۲	P. 37
C1/C2/C3	P. 35

- **1** Press the mode dial lock to unlock it, and then turn to set the mode you wish to use.
 - When the mode dial lock has been pressed down, the mode dial is locked. Each time you press the mode dial lock, it switches between locked/released.





- 2 Frame the shot.
 - Be careful that your fingers or the camera strap do not obstruct the lens or AF illuminator.





Landscape position

Portrait position

3 Adjust the focus.

· Display the subject in the center of the monitor, and lightly press the shutter button down to the first position (press the shutter button halfway).

The AF confirmation mark (\bullet) will be displayed, and a green frame (AF target) will be displayed in the focus location.



AF confirmation mark



AF target

• If the AF confirmation mark blinks, the subject is not in focus. (P. 160)

A Release the shutter.

- · Press the shutter button all the way (fully).
- The camera will release the shutter and take a picture.
- The shot image will be displayed on the monitor.
- You can focus and take pictures using touch controls. It "Shooting with touch screen operations" (P. 35)

Pressing the shutter button halfway and all the way down

The shutter button has two positions. The act of lightly pressing the shutter button to the first position and holding it there is called "pressing the shutter button halfway." that of pressing it all the way down to the second position "pressing the shutter button all (or the rest of) the way down."

Press the rest of Press halfway

the way down

Letting the camera choose aperture and shutter speed (Program mode)

 ${\bf P}$ mode is a shooting mode where the camera automatically sets the optimal aperture and shutter speed according to subject brightness. Set the mode dial to ${\bf P}.$





Shutter speed

- The shutter speed and aperture selected by the camera are displayed.
- The functions that can be set using the dial differ depending on the **Fn** lever position.

Diel	Fn lever position		
Dial	1	2	
0	Exposure compensation	ISO	
Q	Program shift	White balance	

The shutter speed and aperture value displays will blink if the camera is unable to achieve correct exposure.

Warning display example (blinking)	Status	Action
	The subject is too dark.	Use the flash.
	The subject is too bright.	The metered range of the camera is exceeded. A commercially available ND filter (for adjusting the amount of light) is required.

- The aperture value at the moment when its indication blinks varies with the lens type and focal length of the lens.
- When using a fixed [ISO] setting, change the setting. \mathbb{ISP} "Changing ISO sensitivity (ISO)" (P. 42, 51)

Program shift (Ps)

In **P** mode, you can choose different combinations of aperture value and shutter speed without altering exposure. "s" is displayed next to the shooting mode when the program shift is enabled. To cancel the program shift, rotate the dial until "s" is no longer displayed.



Program shift

F2.8← F4.0← F5.6 →F8.0 →F11			
 The shutter speed display will blink if the camera is unable to achieve correct exposure. 			
Warning display example (blinking) Status Action			
	The subject is underexposed.	Decrease the aperture value.	
-8000(-175.6	The subject is overexposed.	 Increase the aperture value. If the warning display does not disappear, the metered range of the camera is exceeded. A commercially available ND filter (for adjusting the amount of light) is required. 	

• The aperture value at the moment when its indication blinks varies with the lens type and focal length of the lens.

 When using a fixed [ISO] setting, change the setting. ISP "Changing ISO sensitivity (ISO)" (P. 42, 51)

Choosing aperture (Aperture Priority mode)

A mode is a shooting mode where you choose the aperture and let the camera automatically adjust to the appropriate shutter speed. Set the mode dial to **A** to set the aperture value. Larger apertures (lower F-numbers) decrease depth of field (the area in front of or behind the focus point that appears to be in focus), softening background details. Smaller apertures (higher F-numbers) increase depth of field.

	- Contraction
865	The second
	-117

Aperture value
 The functions that can be set using the dial differ depending on the **Fn** lever position.

250 E5 6

Diel	Fn lever position		
Dial	1	2	
6	Exposure compensation	ISO	
Q	Aperture value	White balance	

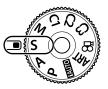
Setting the aperture value

Decreasing aperture value ←

→ Increasing aperture value

Choosing shutter speed (Shutter Priority mode)

 ${f S}$ mode is a shooting mode where you choose the shutter speed and let the camera automatically adjust to the appropriate aperture value. Set the mode dial to ${f S}$ to set the shutter speed. A fast shutter speed can freeze a fast action scene without any blur. A slow shutter speed will blur a fast action scene. This blurring will give the impression of dynamic motion.





Shutter speed

• The functions that can be set using the dial differ depending on the **Fn** lever position.

Diel	Fn lever position		
Dial	1	2	
0	Exposure compensation	ISO	
٩	Shutter speed	White balance	

Setting the shutter speed

Slower shutter speed $\leftarrow \rightarrow$ Faster shutter speed

60"← 15← 30← **60** →125 →250 →8000

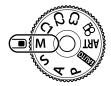
The aperture value display will blink if the camera is unable to achieve correct exposure.

Warning display example (blinking)	Status	Action
2006-)F2.8-	The subject is underexposed.	Set the shutter speed slower.
125-F22-	The subject is overexposed.	 Set the shutter speed faster. If the warning display does not disappear, the metered range of the camera is exceeded. A commercially available ND filter (for adjusting the amount of light) is required.

- The aperture value at the moment when its indication blinks varies with the lens type and focal length of the lens.
- When using a fixed [ISO] setting, change the setting. \mathbb{ISP} "Changing ISO sensitivity (ISO)" (P. 42, 51)

Choosing aperture and shutter speed (Manual mode)

 \mathbf{M} mode is a shooting mode where you choose both the aperture value and shutter speed. Bulb, time, and live composite photography are also available. Set the mode dial to \mathbf{M} to set the aperture value and the shutter speed.





Difference from correct exposure

• The functions that can be set using the dial differ depending on the **Fn** lever position.

Dial	Fn lever position		
Dial	1	2	
6	Aperture value	Exposure compensation*	
٩	Shutter speed	ISO	

* When [AUTO] is selected for [ISO], exposure compensation can be adjusted.



Exposure compensation

Difference between exposure setting and exposure with exposure compensation

- The exposure determined by the aperture value and shutter speed you have set and the difference from the suitable exposure measured by the camera are displayed on the monitor.
- Shutter speed can be set to values between 1/8000 and 60 seconds or to [BULB], [LIVE TIME], or [LIVECOMP].
- If you change the aperture value and shutter speed, the brightness of the display on the monitor (or viewfinder) will not change. To display the image as it is going to be shot, set [Live View Boost] (P. 115) in Custom Menu.
- Even when you have set [Noise Reduct.], noise and/or light spots may still be noticeable in the image displayed on the monitor and shot images under certain environmental conditions (temperature etc.) and camera settings.

Noise in images

While shooting at slow shutter speeds, noise may appear on screen. These phenomena occur when the temperature rises in the image pickup device or image pickup device internal drive circuit, causing current to be generated in those sections of the image pickup device that are not normally exposed to light. This can also occur when shooting with a high ISO setting in a high-temperature environment. To reduce this noise, the camera activates the noise reduction function. IF [Noise Reduct.] (P. 118)

Shooting with long exposure time (BULB/LIVE TIME)

You can use the BULB/LIVE TIME function for shooting scenes that require long exposure such as night landscapes and fireworks. In \mathbf{M} mode, set the shutter speed to [BULB] or [LIVE TIME].

Bulb photography	The shutter remains open while the shutter button is pressed.
(BULB):	The exposure ends when the shutter button is released.

Time photography (LIVE TIME): The exposure begins when the shutter button is pressed all the way down. To end the exposure, press the shutter button all the way down again.

- During bulb or time photography, the screen brightness changes automatically. I [Bulb/ Time Monitor] (P. 118)
- When using [LIVE TIME], the progress of the exposure will be displayed in the monitor during shooting. The display can also be refreshed by pressing the shutter button halfway.
- [Live Bulb] (P. 118) can be used to display the image exposure during bulb photography.
- [BULB] and [LIVE TIME] are not available at some ISO sensitivity settings.
- To reduce camera blur, mount the camera on a sturdy tripod and use a remote cable (P. 155).
- During shooting, there are limits on the settings for the following functions. Sequential shooting, self-timer shooting, time lapse shooting, AE bracket shooting, image stabilizer, flash bracketing, multiple exposure*, etc.

* When an option other than [Off] is selected for [Live Bulb] or [Live Time] (P. 118)

• [Image Stabilizer] (P. 53) turns off automatically.

Live composite photography (dark and light field composite)

You can record a composite image from multiple shots while observing changes in bright flashes of light, such as fireworks and stars, without changing the brightness of the background.

- 1 Set an exposure time to be the reference in [Composite Settings] (P. 118).
- 2 In **M** mode, set the shutter speed to [LIVECOMP].
 - When the shutter speed is set to [LIVECOMP], you can display the [Composite Settings] by pressing the **MENU** button.
- **3** Press the shutter button once to prepare for shooting.
 - You can shoot when a message that indicates preparations are complete is displayed in the monitor.
- **4** Press the shutter button.
 - Live composite shooting begins. A composite image is displayed after each reference exposure time, allowing you to observe changes in light.
 - During composite shooting, the screen brightness changes automatically. Is [Bulb/ Time Monitor] (P. 118)

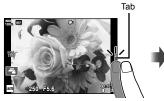
- **5** Press the shutter button to end shooting.
 - The maximum length of composite shooting is 3 hours. However, the available shooting time will vary depending on shooting conditions, and charging state of the camera.
- · There are limits on the available ISO sensitivity settings.
- To reduce camera blur, mount the camera on a sturdy tripod and use a remote cable (P. 155).
- During shooting, there are limits on the settings for the following functions. Sequential shooting, self-timer shooting, time lapse shooting, AE bracket shooting, image stabilizer, flash bracketing, etc.
- [Image Stabilizer] (P. 53) turns off automatically.

Letting the camera choose the settings (iAUTO mode)

The camera adjusts settings to suit the scene; all you have to do is press the shutter button.

Use live guides to easily adjust such parameters as color, brightness, and background blurring.

- 1 Set the mode dial to **FAUTO**.
- 2 Tap the tab to display the live guides.
 - Tap a guide item to display the slider of the level bar.



Guide item

Level bar/options



- **3** Use your finger to position the sliders.
 - Tap or to enter the setting.
 - To cancel the live guide setting, tap setting on the screen.
 - When [Shooting Tips] is selected, select an item and tap or to display a description.
 - The effect of the selected level is visible in the display.

If [Blur Background] or [Express Motions] is selected, the display will return to normal, but the selected effect will be visible in the final photograph.



- **4** To set multiple live guides, repeat Steps 2 and 3.
 - A check is displayed on the guide item for live guides that are already set.



5 Shoot.

- To clear the live guides from the display, press the **MENU** button.
- [Blur Background] and [Express Motions] cannot be set at the same time.
- If [RAW] is currently selected for image quality, image quality will automatically be set to [IN+RAW].
- · Live guide settings are not applied to the RAW copy.
- Pictures may appear grainy at some live guide setting levels.
- · Changes to live guide setting levels may not be visible in the monitor.
- · Frame rates drop when [Blurred Motion] is selected.
- The flash cannot be used when a live guide is set.
- Choosing live guide settings that exceed the limits of the camera exposure meters may
 result in pictures that are overexposed or underexposed.

Using art filters

Using art filters, you can easily have fun with artistic effects.

■ Types of art filters

Pop Art / *	Creates an image that emphasizes the beauty of color.
Soft Focus	Creates an image that expresses a soft tone atmosphere.
Pale&Light Color I/II *	Creates an image that expresses warm light by scattering overall light and slightly overexposing the image.
Light Tone	Creates a high-quality image by softening both shadows and highlights.
Grainy Film I/II *	Creates an image that expresses the roughness of black and white images.
Pin Hole I/II/III *	Creates an image that looks as if it was taken using an old or toy camera by dimming the image perimeter.
Diorama I/II *	Creates a miniature-like image by emphasizing saturation and contrast, and blurring unfocused areas.
Cross Process I/II *	Creates an image that expresses a surreal atmosphere. Cross Process II creates an image that emphasizes magenta.
Gentle Sepia	Creates a high-quality image by drawing out shadows and softening the overall image.
Dramatic Tone I/II *	Creates an image that emphasizes the difference between brightness and darkness by partially increasing contrast.
Key Line I/II *	Creates an image that emphasizes edges and adds an illustrative style.
Watercolor I/II *	Creates a soft, bright image by removing dark areas, blending pale colors on a white canvas, and further softening contours.
Vintage I/II/III *	Expresses an everyday shot in a nostalgic, vintage tone using printed film discoloration and fading.
Partial Color I/II/III *	Impressively expresses a subject by extracting colors you want to emphasize and keeping everything else monotone.
ART BKT (ART bracketing)	Records images using all art filter options with a single shot. Press the INFO button on the selection screen to select a filter to record with.

* II and III are altered versions of the original (I).

2 Shooting

- 1 Rotate the mode dial to ART.
 - A menu of art filters will be displayed. Select a filter using the rear dial.
 - Use △ ▽ to choose an effect. The effects available vary with the selected filter (Soft Focus Effect, Pin Hole Effect, Frame Effect, White Edge Effect, Star Light Effect, Color Filter, Monochrome Color, Blur Effect, or Shade Effect).
 - Press the
 button or press the shutter button halfway to select the highlighted item and exit the art filter menu.
- 2 Shoot.
 - To choose a different setting, press the \circledast button to display the art filter menu.
- To maximize the benefits of the art filters, some of the shooting function settings are disabled.
- If [RAW] is currently selected for image quality (P. 55, 88), image quality will
 automatically be set to [**I**N+RAW]. The art filter will be applied to the JPEG copy only.
- Depending on the subject, tone transitions may be ragged, the effect may be less noticeable, or the image may become more "grainy."
- · Some effects may not be visible in live view or during movie recording.
- Playback may differ according to the filters, effects, or movie quality settings applied.

Using [Partial Color]

Record only selected hues in color.

- **1** Rotate the mode dial to **ART**.
- 2 Select [Partial Color].
- 3 Highlight a type or effect and press the is button.
 - · A color ring appears in the display.
- **4** Rotate the front dial or rear dial to select a color.
 - The effect is visible in the display.
- 5 Shoot.





Custom Modes (C1, C2, C3)

Save settings to each of three Custom Modes for instant recall.

- Different settings can be saved to C1, C2, and C3 using the [Reset / Custom Modes] (P. 87) in P Shooting Menu 1.
- The settings for the selected Custom Mode will be recalled when you rotate the mode dial to C1, C2, or C3.

Shooting with touch screen operations

Tap **Tap** to cycle through touch screen settings.

Tap a subject to focus and automatically release the shutter. This function is not available in movie mode

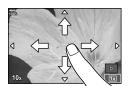
Touch screen operations are disabled.

Tap to display an AF target and focus on the subject in the selected area. You can use the touch screen to choose the position and size of the focus frame. Photographs can be taken by pressing the shutter button.

■ Previewing the subject (IF)

- Tap the subject in the display.
 - An AF target will be displayed.
 - · Use the slider to choose the size of the frame.
 - Tap for to turn off the display of the AF target.
- 2 Use the slider to adjust the size of the AF target, and then tap **a** to zoom in at the frame position.
 - · Use your finger to scroll the display when the picture is zoomed in.
 - Tap I to cancel the zoom display.
- The situations in which touch screen operations are not available include the following. During multiple exposure, on the one-touch capture white balance screen, when buttons or dials are in use
- · Do not touch the display with your fingernails or other sharp objects.
- Gloves or monitor covers may interfere with touch screen operation.
- You can disable the touch screen operation. I Touchscreen Settings (P. 122)







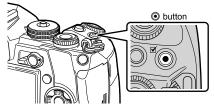


Recording movies

Use the
 button to record movies.

- Press the

 button to begin recording.
 - · Movie you are recording will be displayed on the monitor.
 - If you put your eye to the viewfinder, movie you are recording will be displayed in the viewfinder.
 - · You can change the focus location by tapping the screen while recording.



- 2 Press the
 button again to end recording.
- When using a camera with a CMOS image sensor, moving objects may appear distorted due to the rolling shutter phenomenon. This is a physical phenomenon whereby distortion occurs in the filmed image when shooting a fast-moving subject or due to camera shaking. In particular, this phenomenon becomes more noticeable when using a long focal length.
- If the size of the movie file being recorded exceeds 4 GB, the file will be split automatically. (Depending on shooting conditions, movies under 4 GB in size may be split into multiple files.)
- When recording movies, use an SD card that supports an SD speed class of 10 or higher.
- A UHS-II or UHS-I card with a UHS speed class of 3 or better is required when a movie resolution of [4K] or [C4K] or a bit rate of [A-I] (All-Intra) is selected in the [♀ ◀:-] menu.
- Choose an option other than (multi echo) for [Movie Effect] (P. 37) when recording at a movie resolution of [4K] or [C4K].
- If the camera is used for extended periods, the temperature of the image pickup device will rise and noise and colored fog may appear in images. Turn off the camera for a short time. Noise and colored fog may also appear in images recorded at high ISO sensitivity settings. If the temperature rises further, the camera will turn off automatically.
- · When using a Four Thirds system lens, the AF will not operate while recording movies.
- The
 button cannot be used to record movies in the following instances:
 During multiple exposure (still photography also ends.), while shutter button is pressed halfway, during bulb/time/composite photography, during sequential shooting, during time lapse shooting

Using movie mode (🍄)

With movie mode (Ω), you can create movies that take advantage of the effects available in still photography mode. You can also apply an after-image effect or zoom in on an area of the image during movie recording.

Adding effects to a movie [Movie Effect]

You must first select [Movie Effect] on the screen that can be displayed by selecting the Video Menu > [Ω Display Settings] > [Ω Info Settings] > [Custom1] and pressing > (P. 101).

- **1** Rotate the mode dial to \mathbf{P} .
- 2 Press the
 button to start shooting.
 - Press the

 button again to end shooting.
- 3 Tap the on-screen icon of the effect you wish to use.

0	Art Fade	Films with the selected picture mode effect. The fade effect is applied to the transition between scenes.
	Old Film	Randomly applies damage and dust-like noise similar to old movies.
	Multi Echo	Applies an after-image effect. After-images will appear behind moving objects.
	One Shot Echo	Applies an after-image for a short time after you tap the icon. The after-image will disappear automatically after a while.
	Movie Tele- converter	Zooms in on an area of the image without using the lens zoom. The selected position of the image can be zoomed in even while the camera is kept fixed.

Art Fade

Tap the icon. The effect will be applied gradually when you tap the icon of a picture mode.

Old Film

Tap the icon for the effect to be applied. Tap again to cancel the effect.

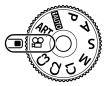
Multi Echo

Tap the icon for the effect to be applied. Tap again to cancel the effect.

One Shot Echo

Each tap of the icon adds the effect.

• Using the **INFO** button to change the information displayed in the monitor while data are being recorded cancels the selected [Movie Effect].



Movie Tele-converter

- 1 Tap the icon to display the zoom frame.
 - You can change the position of the zoom frame by tapping the screen or using $\Delta \, \nabla \, {\bf d} {\bf b}.$
 - Press and hold the \circledcirc button to return the zoom frame to a central position.
- **2** Tap **to** zoom in on the area in the zoom frame.
 - Tap **I** to return to the zoom frame display.
- **3** Tap **conf** or press the **(e)** button to cancel the zoom frame and exit Movie Tele-converter mode.
- · The 2 effects cannot be applied simultaneously.
- Some effects may not be available depending on the picture mode.
- The sound of touch operations and button operations may be recorded.
- Art Fade cannot be used when shooting clips.
- When shooting slow/quick motion movies, you cannot use other movie effects than Movie Tele-converter.
- The drive mode displayed in the movie mode is the setting for still image shooting. Still
 image shooting is not available in the movie mode.
- The frame rate may drop if an art filter or a movie effect is used when a large image size such as [4K] or [C4K] is set.
- Art filters are not available for slow/quick motion movies.
- Movie effects are not available for picture modes of movie and for slow/quick motion movies.
- Movie Tele-converter is not available when [C4K] or [4K] is set for the image size.

Using the silencing function when shooting a movie

You can prevent the camera from recording operating sounds that occur due to camera operations while shooting.

The following functions are available as touch operations.

- Electronic zoom*1, recording volume, aperture, shutter speed, exposure compensation, ISO sensitivity, headphone volume*2
 - *1 Only available with power zoom lenses
 - *2 Only available when using headphones

Tap the silent shooting tab to display the function items. After tapping an item, tap the displayed arrows to select the settings.

• The options available vary with the shooting mode.



Positive (+)

Using various settings

Controlling exposure (Exposure 🔀)

Rotate the front dial to choose exposure compensation. Choose positive ("+") values to make pictures brighter, negative ("-") values to make pictures darker. Exposure can be adjusted by ± 5.0 EV.





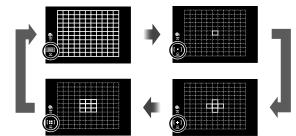
No compensation (0)

- Exposure compensation is not available in FAUTO.
- The viewfinder and live view display can only be changed up to ± 3.0 EV. If the exposure exceeds ± 3.0 EV, the exposure bar will begin flashing.
- Movies can be corrected in a range up to ±3.0 EV.

Selecting the AF target mode (AF target settings)

You can change the target selection method and target size. You can also select Face priority AF (P. 40).

- **1** Press the **Fn1** button to display the AF target.
 - The AF target can also be displayed by pressing the arrow pad.
- **2** Use the front dial during AF target selection to choose a selection method.



[IIII] (All Targets)	The camera automatically chooses from the full set of focus targets.
[•] (Single Target)	You can choose a single AF target.
[+] (5-Target Group)	The camera automatically chooses from the targets in the selected five-target group.
[III] (9-Target Group)	The camera automatically chooses from the targets in the selected nine-target group.

 The single target mode is automatically applied in movie shooting if the group target mode is set.

Setting the AF target

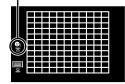
Select the single target or group target position.

- 1 Press the **Fn1** button to display the AF target.
 - The AF target can also be displayed by pressing the arrow pad.
- **2** Use the arrow pad to position the AF target during AF target selection.
- The size and number of the AF target changes depending on the [Digital Tele-converter] (P. 88), [Image Aspect] (P. 54), and group target (P. 39) settings.
- Use the [[\cdot :-] Custom Settings] (P. 112) in the custom menu to choose the roles of the dials and $\Delta \nabla \triangleleft \triangleright$ during AF target selection.

Face priority AF/Eye priority AF

The camera detects faces and adjusts focus and digital ESP.

- **1** Press the **Fn1** button to display the AF target.
 - The AF target can also be displayed by pressing the arrow pad.
- 2 Use the rear dial to select an option during AF target selection.



©	Face Priority On	Face priority is on.
©	Face Priority Off	Face priority is off.
୍ୱ	Face & Eye Priority On	The autofocus system selects the eye closest to the camera for face-priority AF.
୍ଦ୍ୱ	Face & R. Eye Priority On	The autofocus system selects the eye on the right for face-priority AF.
୍ଲ	Face & L. Eye Priority On	The autofocus system selects the eye on the left for face- priority AF.

- 4 Point the camera at your subject.
 - If a face is detected, it will be indicated by a white frame.
- **5** Press the shutter button halfway to focus.
 - When the camera focuses on the face in the white frame, the frame will turn green.
 - If the camera is able to detect the subject's eyes, it will display a green frame over the selected eye. (eye priority AF)
- 6 Press the shutter button the rest of the way down to shoot.





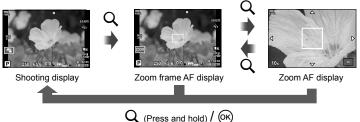
• Depending on the subject and the art filter setting, the camera may not be able to correctly detect the face.

- When set to [E (Digital ESP metering)] (P. 45, 51), metering is performed with priority given to faces.
- Face priority is also available in [MF] (P. 43, 51). Faces detected by the camera are indicated by white frames.

Zoom frame AF/Zoom AF (Super Spot AF)

You can zoom in on a portion of the frame when adjusting focus. Choosing a high zoom ratio allows you to use autofocus to focus on a smaller area than is normally covered by the AF target. You can also position the focus target more precisely.

• To use Super Spot AF, you must first assign [Q] to a button with Button Function (P. 66).



- (Press and hold) / OK
- **1** Press and release the Q button to display the zoom frame.
 - If the subject has been focused using autofocus immediately before the button is pressed, the zoom frame will be displayed at the current focus position.
 - Use $\Delta \nabla \triangleleft \triangleright$ to position the zoom frame.
 - Press the INFO button and use $\Delta \nabla$ to choose the zoom ratio. (×3, ×5, ×7, ×10, ×14)
- **2** Press and release the Q button again to zoom in on the zoom frame.
 - Use $\Delta \nabla \triangleleft \triangleright$ to position the zoom frame.
 - You can change the zoom ratio by rotating the front dial ([®]) or rear dial ([®]).
- **3** Press the shutter button halfway to initiate autofocus.
 - The camera will focus using the subject in the frame at the center of the screen. Use $\Delta \nabla \triangleleft \triangleright$ to choose a different focus position.
- Zoom is visible only in the monitor and has no effect on the resulting photographs.
- · While zoomed in, a sound is made by the IS (Image Stabilizer).

Changing ISO sensitivity (ISO)

Increasing ISO sensitivity increases noise (graininess) but allows photographs to be taken when lighting is poor. The setting recommended in most situations is [AUTO], which starts at ISO 200—a value that balances noise and dynamic range—and then adjusts ISO sensitivity according to shooting conditions.

Set the Fn lever to the position 2, and rotate the front dial to select a value.
 Exposure compensation can be adjusted by rotating the front dial in M mode.

AUTO	The sensitivity is set automatically according to the shooting conditions. The upper limit of ISO sensitivity and the shutter speed to start raising the sensitivity can be set with [ISO-Auto Set] in Custom menu (P. 117).
LOW, 200–25600	The sensitivity is set to the selected value.

Adjusting color (WB (white balance))

White balance (WB) ensures that white objects in images recorded by the camera appear white. [AUTO] is suitable in most circumstances, but other values can be selected according to the light source when [AUTO] fails to produce the desired results or you wish to introduce a deliberate color cast into your images.

1 Set the **Fn** lever to the position 2, and rotate the rear dial to select a value.

ISO sensitivity can be adjusted by rotating the rear dial in M	mode.
--	-------

WB mode		Color temperature	Light conditions
Auto white balance	AUTO	_	For most light conditions (when there is a white portion framed on the monitor). Use this mode for general use.
	ÿ	5300 K	For shooting outdoors on a clear day, or to capture the reds in a sunset or the colors in a fireworks display
	<u>ل</u> ک	7500 K	For shooting outdoors in the shadows on a clear day
Preset white balance	С)	6000 K	For shooting outdoors on a cloudy day
	ķ.	3000 K	For shooting under a tungsten light
	Ű	4000 K	For shooting under a fluorescent light
	ß	—	For underwater photography
	WB ‡	5500 K	For flash shooting
One-touch white balance	තින් තීන් තීන් තීන්	Color temperature set by one-touch WB	Press the INFO button to measure white balance using a white or gray target when using a flash or other light source of an unknown type or when shooting under mixed lighting. IS "One-touch white balance" (P. 43)
Custom white balance	СМВ	2000 K-14000 K	After pressing the INFO button, use $\triangleleft \triangleright$ to select a color temperature and then press the $$ button.

2 Shooting

2

One-touch white balance

Measure white balance by framing a piece of paper or other white object under the lighting that will be used in the final photograph. This is useful when shooting a subject under natural light, as well as under various light sources with different color temperatures.

- 1 Select [2], [2], [2], [2], [2] (one-touch white balance 1, 2, 3, or 4) and press the **INFO** button.
- 2 Photograph a piece of colorless (white or gray) paper.
 - · Frame the paper so that it fills the display and no shadows fall it.
 - The one-touch white balance screen appears.
- 3 Select [Yes] and press the ow button.
 - The new value is saved as a preset white balance option.
 - The new value is stored until one-touch white balance is measured again. Turning the power off does not erase the data.

Choosing a focus mode (AF Mode)

You can select a focusing method (focus mode). You can choose separate focusing methods for still photography mode and movie mode.

- 1 Press the AF () button.
- **2** Rotate the rear dial to select a value.



S-AF (Single AF)	The camera focuses once when the shutter button is pressed halfway. When the focus is locked, a beep sounds, and the AF confirmation mark and the AF target mark light up. This mode is suitable for taking pictures of still subjects or subjects with limited movement.
C-AF (Continuous AF)	The camera repeats focusing while the shutter button remains pressed halfway. When the subject is in focus, the AF confirmation mark lights up on the monitor and the beep sounds when the focus is locked at the first time. Even if the subject moves or you change the composition of the picture, the camera continues trying to focus.
MF (Manual focus)	This function allows you to manually focus on any position by operating the focus ring on the lens.
S-AF+MF (Simultaneous use of S-AF mode and MF mode)	After pressing the shutter button halfway to focus in [S-AF] mode, you can turn the focus ring to fine-adjust focus manually.

C-AF+TR (AF tracking)	 Press the shutter button halfway to focus; the camera then tracks and maintains focus on the current subject while the shutter button is held in this position. The AF target is displayed in red if the camera can no longer track the subject. Release the shutter button and then frame the subject again and press the shutter button halfway. Tracking range will be narrow when using a Four Thirds system lens. Autofocus does not work while the AF target is displayed in red even if the camera is tracking the subject.
PreMF (Preset MF)	The camera automatically focuses on the preset focus point when shooting.

- The camera may be unable to focus if the subject is poorly lit, obscured by mist or smoke, or lacks contrast.
- When using a Four Thirds system lens, AF will not be available during movie recording.
- AF-mode selection is not available if the lens MF clutch is set to the MF position and [Operative] is selected for [MF Clutch] (P. 112) in Custom Menu.

Setting a focus position for PreMF

- **1** Select [Preset MF] for AF mode.
- 2 Press the INFO button.
- 3 Press the shutter button halfway to focus.
 - Focus can be adjusted by rotating the focus ring.
- 4 Press the is button.
- The PreMF function can be recalled by pressing the button to which [Preset MF] is assigned in [Button Function]. Press the button again to return to the original AF.
- The distance for the preset focus point can be set with [Preset MF distance] in Custom Menu (P. 112).

Choosing how the camera measures brightness (Metering)

You can choose how the camera meters subject brightness.

- 1 Press the AF 💽 button.
- **2** Rotate the front dial to select a value.



	Digital ESP metering	Meters exposure in 324 areas of the frame and optimizes exposure for the current scene or portrait subject (if an option other than [OFF] is selected for [③ Face Priority]). This mode is recommended for general use.	
0	Center weighted averaging metering	Provides the average metering between the subject and the background lighting, placing more weight on the subject at the center.	
œ	Spot metering	Meters a small area (about 2% of the frame) with the camera pointed at the object you wish to meter. Exposure will be adjusted according to the brightness at the metered point.	
СЭНI	Spot metering (highlight)	Increases spot metering exposure. Ensures bright subjects appear bright.	
⊡ SH	Spot metering (shadow)	Lowers spot metering exposure. Ensures dark subjects appear dark.	

• The spot metering position can be set at the selected AF target (P. 118).

Locking the exposure (AE Lock)

You can lock the exposure by pressing the **AEL/AFL** button. Use this when you want to adjust the focus and exposure separately or when you want to shoot several images at the same exposure.

- If you press the AEL/AFL button once, the exposure is locked and AEL is displayed.
 "AEL/AFL" (P. 123)
- Press the **AEL/AFL** button once again to release the AE Lock.
- The lock will be released if you operate the mode dial, MENU button, or $\textcircled{}{\otimes}$ button.

Performing the sequential/self-timer shooting

You can take a series of pictures by keeping the shutter button pressed all the way down. Alternatively, you can take pictures using the self-timer.

- 1 Press the ⊒**`HDR** button.
- **2** Rotate the rear dial to select a value.

	Single	1 frame is taken at a time when the shutter button is pressed (normal shooting mode, single-frame shooting).
Ē	Sequential High	Pictures are taken at up to about 15 frames per second (fps) while the shutter button is pressed all the way down. Focus, exposure, and white balance are fixed at the values for the first shot in each series.
Ē	Sequential Low	Pictures are taken at up to about 10 frames per second (fps) while the shutter button is pressed all the way down. Focus and exposure are fixed according to the options selected for [AF Mode] (P. 43, 51) and [AEL/AFL] (P. 123).
ئ12s	స్త 12 sec	Press the shutter button halfway to focus, the rest of the way down to start the timer. First, the self-timer lamp lights up for approximately 10 seconds, then it blinks for approximately 2 seconds and the picture is taken.
ئ2s	స్ర 2 sec	Press the shutter button halfway to focus, the rest of the way down to start the timer. The self-timer lamp blinks for approximately 2 seconds, and then the picture is taken.
ýC	Custom Self-timer	Press the INFO button to set [\bigotimes Timer], [Number of Frames], [Interval Length], and [Every Frame AF]. Select a setting using $\triangleleft \triangleright$, and adjust the setting by using the rear dial (\bigotimes). If [Every Frame AF] is set to [On], each frame is automatically focused before shooting.
¢⊑Ľ	Anti-Shock	The miniscule camera shaking caused by shutter movements can be reduced during continuous shooting and self-timer shooting (P. 47).
♥⊒≞	Silent	The sound of the shutter can be muted during sequential shooting and self-timer shooting (P. 47).
Pro CapH	Pro Capture High	Sequential shooting begins when you press the shutter button halfway. Press the shutter button all the way down to begin recording captured images to the card, including those for a halfway press (P. 48). Focus, exposure, and white balance are fixed at the values for the first shot in each series.
Pro Cap L	Pro Capture Low	Sequential shooting begins when you press the shutter button halfway. Press the shutter button all the way down to begin recording captured images to the card, including those for a halfway press (P. 48). Focus and exposure are fixed according to the options selected for [AF Mode] (P. 43, 51) and [AEL/AFL] (P. 123).
	High Res Shot	Still pictures can be taken in a higher resolution (P. 48).

- To cancel the activated self-timer, press ∇ .
- · Fix the camera securely on a tripod for self-timer shooting.
- If you stand in front of the camera to press the shutter button when using the self-timer, the picture may be out of focus.
- The speed of sequential shooting varies depending on the lens you are using and the focus of the zoom lens.
- During sequential shooting, if the battery level icon blinks due to low battery, the camera stops shooting and starts saving the pictures you have taken on the card. The camera may not save all of the pictures depending on how much battery power remains.
- You can set unused functions not to be displayed in the options. IS [□/☉ Settings] (P. 115)
- The frame advance rate for sequential shooting drops when [ISO] is set to 8000 or higher. The maximum frame advance rate in silent and pro-capture modes is 30 fps.
- Photographs taken in silent and pro-capture modes may be distorted if the subject or camera moves quickly during shooting.

Shooting without the vibration caused by shutter button operations (Anti-Shock [+])

To prevent camera shake caused by the small vibrations that occur during shutter operations, shooting is performed using an electronic front-curtain shutter.

This is used when shooting with a microscope or a super telephoto lens.

You must first set [Anti-Shock []] in 2 Shooting Menu 2 to the settings other than [Off] (P. 98).

- 1 Press the ⊒i**்HDR** button.
- 2 Select one of the items marked ♦ using the rear dial and press the ⊛ button.
- 3 Shoot.
 - When the set time has elapsed, the shutter is released and the picture is taken.

Shooting without shutter sound (Silent [♥])

In situations where the shutter sound is a problem, you can shoot without making a sound. Shooting is performed using electronic shutters for both the front and rear curtains so that the miniscule camera shaking caused by shutter movements can be reduced, just as in anti-shock shooting.

You can change the time between the shutter button is pressed all the way down and the shutter is released in [Silent $[\P]$] in \square_2 Shooting Menu 2. Set to [Off] to hide this setting item (P. 98).

- 1 Press the □**\`HDR** button.
- 2 Select one of the items marked ♥ using the rear dial and press the ⊛ button.
- 3 Shoot.
 - When the shutter is released, the monitor screen will go dark for a moment. No shutter sound will be emitted.
- The desired results may not be achieved under flickering light sources such as fluorescent or LED lamps or if the subject moves abruptly during shooting.

Shooting without a release time lag (Pro Capture shooting)

To resolve the time lag from when you press the shutter button all the way down until the recording of images starts, the sequential shooting using the electronic shutter starts when the shutter button is pressed halfway and the recording of images including those for a halfway press to the card starts when the shutter button is pressed all the way down.

the is good for subjects with minor changes in shooting distance, and the is good for subjects with changes in shooting distance.

- 1 Press the 🖳 🖄 HDR button.
- 2 Select the or the sear dial and press the ⊛ button.
- **3** Press the shutter button halfway to start shooting.
- 4 Press the shutter button all the way down to start recording to the card.
- Selecting La restricts aperture to values between maximum aperture and f8.0.
- Pro Capture shooting is not available when connected to Wi-Fi.
- · Pro capture is available only with OLYMPUS Micro Four Thirds lenses.
- The camera will continue shooting for up to a minute while the shutter button is pressed halfway. To resume shooting, press the button halfway again.
- Flickering occurred by fluorescent lights or the large movement of the subject, etc. may cause distortions in images.
- The monitor will not be blacked out and the shutter sound will not be emitted while bracketing.
- The slowest shutter speed is limited.
- The sequential shooting speed, the number of pre-captured images, and the shot limit can be set in [\$\$] of []L Settings] or []H Settings] (P. 114) in Custom Menu.
- The display refresh rate may drop below the value selected for [Frame Rate] (P. 115) in the custom menu depending on subject brightness and the options selected for ISO sensitivity and exposure compensation.
- Choosing ^E_B_H when [C-AF] or [C-AF+TR] is selected changes the autofocus mode (P. 43, 51) to [S-AF].

Shooting still pictures in a higher resolution (High Res Shot)

When shooting an unmoving subject, you can shoot pictures in a higher resolution. A high resolution image is recorded by shooting several times while moving the imaging sensor. Attach the camera to a tripod or other stabilizing item and then shoot. You can change the time between the shutter button is pressed all the way down and the shutter is released in [High Res Shot] in **5** Shooting Menu 2. Set to [Off] to hide this setting item (P. 99).

After setting high resolution shooting, you can select the image quality of the high resolution shooting using image quality mode (P. 55, 88).

- 1 Press the ⊒i**iHDR** button.
- 2 Select i using the rear dial and press the i button.
- 3 Shoot.
 - If the camera is unstable, i will blink. Wait for the blinking to stop before shooting.
 - Shooting is complete when the green in (high resolution) icon clears from the display.

- Choose from JPEG (500 F or 250 F) and JPEG+RAW modes. When image quality is set to RAW+JPEG, the camera saves a single RAW image (extension ".ORI") before combining it with the high resolution shooting. Pre-combination RAW images can be played back using the latest version of OLYMPUS Viewer 3.
- Image quality may drop under flickering light sources such as fluorescent or LED lamps.
- [Image Stabilizer] (P. 53) is set to [Off].

Taking HDR (High Dynamic Range) images

The camera shoots several images and automatically combines them into an HDR image. You can also shoot several images and perform HDR imaging on a computer (HDR bracketing photography).

Exposure compensation is available with [HDR1] and [HDR2] in \mathbf{P} , \mathbf{A} , and \mathbf{S} modes. In \mathbf{M} mode, exposure can be adjusted as desired for HDR photography.

- 1 Press the ⊒iல HDR button.
- 2 Rotate the front dial to select a setting.

HDR1	Four shots are taken, each with a different exposure, and the shots are combined into one HDR image inside the camera. HDR2 provides a more impressive image than HDR1. ISO sensitivity is fixed to 200. Also, the slowest available shutter speed is 4 seconds and the longest available exposure is 15 seconds.
HDR2	
3F 2.0EV	HDR bracketing is performed. Select the number of images and the
5F 2.0EV	exposure difference. HDR imaging processing is not performed.
7F 2.0EV	
3F 3.0EV	
5F 3.0EV	

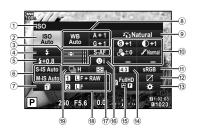
3 Shoot.

- When you press the shutter button, the camera automatically shoots the set number of images.
- If you shoot with a slower shutter speed, there may be more noticeable noise.
- · Attach the camera to a tripod or other stabilizing item and then shoot.
- The image displayed on the monitor or in the viewfinder while shooting will differ from the HDR-processed image.
- In the case of [HDR1] or [HDR2], the HDR-processed image will be saved as a JPEG file.
 When the image quality mode is set to [RAW], the image is recorded in RAW+JPEG.
- In the case of [HDR1] or [HDR2], the picture mode is fixed to [Natural] and the color setting is fixed to [sRGB].
- Flash photography, bracketing, multiple exposure, and time lapse shooting cannot be used at the same time as HDR photography.

Setting in super control panel

Other main shooting functions can be set in the LV super control panel. Press the M button to display the LV super control panel. Change settings using $\Delta \nabla \triangleleft \triangleright$ or touch operations.

LV super control panel



Super control panel



Settings that can be modified using LV super control panel

1	Currently selected option		
2	ISO sensitivity	.P.	51
3	AF mode	.P.	51
	AF target	.P.	40
4	Flash mode	.P.	57
5	Flash intensity control	.P.	60
6	Image stabilizer	.P.	53
7	Save Settings	.P.	54
8	White balance	.P.	52
	White balance compensation	.P.	52
9	Picture mode	.P.	61
10	Sharpness (§)	.P.	62
	Contrast 0	.P.	62
	Saturation 🖧	.P.	63
	Gradation 8	.P.	63
	Color filter 🕞	.P.	64
	Monochrome color ①	.P.	64
	Effect		
	Color*1		
	Color/Vivid*2	.P.	71

1 Color space	P. 65
12 Highlight & shadow control	
Button function assignment	
(4) Aspect ratio	P. 54
ⓑ ∯	P. 56
16 Face priority	
17 Metering mode	P. 51
® ◘ €	P. 55
19 Sequential shooting/Self-timer.	

- *1 Displayed when Partial Color is set.
- *2 Displayed when Color Creator is set.

Changing ISO sensitivity (ISO)

You can set the ISO sensitivity. "Changing ISO sensitivity (ISO)" (P. 42)

- 1 Press the ow button to display the LV super control panel.
- **2** Use $\Delta \nabla \triangleleft \triangleright$ to select [ISO].
- **3** Use the front dial to select an option.

Choosing a focus mode (AF Mode)

You can select a focusing method (focus mode). "Choosing a focus mode (AF Mode)" (P. 43)

- 1 Press the ow button to display the LV super control panel.
- **2** Use $\Delta \nabla \triangleleft \triangleright$ to select [AF Mode].
- 3 Use the front dial to select an option.

Choosing how the camera measures brightness (Metering)

You can choose how the camera meters subject brightness. "Choosing how the camera measures brightness (Metering)" (P. 45)

- 1 Press the ow button to display the LV super control panel.
- **2** Use $\Delta \nabla \triangleleft \triangleright$ to select [Metering].
- **3** Use the front dial to select an option.







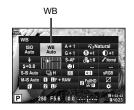
AF Mode



ISO

You can set the white balance. "Adjusting color (WB (white balance))" (P. 42)

- Press the *initial* button to display the LV super control 1 panel.
- **2** Use $\Delta \nabla \triangleleft \triangleright$ to select [WB].
- 3 Use the front dial to select an option.



Making fine adjustments to white balance (WB Compensation)

You can set and finely adjust the compensation values for both auto white balance and preset white balance.

- 1 Press the (iv) button to display the LV super control panel.
- **2** Use $\Delta \nabla \triangleleft \triangleright$ to select [WB].
- **3** Use the front dial to select an option.
- **4** Use $\Delta \nabla \triangleleft \triangleright$ to select the white balance compensation.
- **5** Change a flash compensation value using the front dial

For compensation on the A axis (Red-Blue)

Move the bar in the + direction to emphasize red tones and in the - direction to emphasize blue tones.

For compensation on the G axis (Green-Magenta)

Move the bar in the + direction to emphasize green tones and in the – direction to emphasize magenta tones.





Reducing camera shake (Image Stabilizer)

You can reduce the amount of camera shake that can occur when shooting in low light situations or shooting with high magnification.

The image stabilizer starts when you press the shutter button halfway.

- **2** Use $\Delta \nabla \triangleleft \triangleright$ to select the image stabilizer.
- **3** Use the front dial to select an option.



2

Shooting

	OFF	Still-I.S. Off	Image stabilizer is off.
	S-IS AUTO	Auto I.S.	The camera detects the panning direction and applies the appropriate image stabilization.
Still picture	S-IS1	All Direction Shake I.S.	Image stabilizer is on.
(S-IS)	S-IS2	Vertical Shake I.S.	Image stabilization applies only to vertical (1) camera shake.
	S-IS3	Horizontal Shake I.S.	Image stabilization applies only to horizontal () camera shake. Use when panning the camera horizontally with the camera held in portrait orientation.
	OFF	Movie-I.S. Off	Image stabilizer is off.
Movie (M-IS)	M-IS1	All Direction Shake I.S.	The camera uses both sensor shift (VCM) and electronic correction.
	M-IS2	All Direction Shake I.S.	The camera uses sensor shift (VCM) correction only. Electronic correction is not used.

Using lenses other than Micro Four Thirds/Four Thirds System lenses

You can use focal length information to reduce camera shake when shooting with lenses that are not Micro Four Thirds or Four Thirds system lenses.

- Set [Image Stabilizer], press the button, press the **INFO** button, then use $\triangle \nabla \triangleleft \triangleright$ to select a focal length, and press the button.
- Choose a focal length between 0.1 mm and 1000.0 mm.
- · Choose the value that matches the one printed on the lens.
- The image stabilizer cannot correct excessive camera shake or camera shake that occurs when the shutter speed is set to the slowest speed. In these cases, it is recommended that you use a tripod.
- · When using a tripod, set [Image Stabilizer] to [OFF].
- When using a lens with an image stabilization function switch, priority is given to the lens side setting.
- When priority is given to the lens side image stabilization, [S-IS1] is used instead of [S-IS AUTO].
- You may notice an operating sound or vibration when the image stabilizer is activated.

Performing the sequential/self-timer shooting

You can take a series of pictures by keeping the shutter button pressed all the way down. Alternatively, you can take pictures using the self-timer.

- 1 Press the ⊛ button to display the LV super control panel.
- 2 Use △∇⊲▷ to select the sequential shooting/ self-timer.
- **3** Use the front dial to select an option.



Sequential shooting/self-timer

Setting the image aspect

You can change the aspect ratio (horizontal-to-vertical ratio) when taking pictures. Depending on your preference, you can set the aspect ratio to [4:3] (standard), [16:9], [3:2], [1:1], or [3:4].

- **1** Press the is button to display the LV super control panel.
- **2** Use $\Delta \nabla \triangleleft \triangleright$ to select [Image Aspect].
- **3** Use the front dial to select an option.



Image Aspect

- Image aspect can only be set for still images.
- JPEG images cropped to the selected aspect ratio are saved. RAW images are not cropped and are saved with the selected aspect ratio information.
- When RAW images are played back, the selected aspect ratio is shown by a frame.

Setting the saving method for shooting data (Save Settings)

You can set how to record the shooting data to cards.

- **1** Press the *inclusion* button to display the LV super control panel.
- **2** Use $\Delta \nabla \triangleleft \triangleright$ to select [Save Settings].
- 3 Select an item using the front dial.



Save Settings

🗋 (Standard)	This setting is applied if only one card with available space is in the camera. If two cards with available space are in the camera, images are recorded to the card specified in [Save Slot] (P. 132).
(Auto Switch)	When the card specified in [Save Slot] is full, recording switches to the other card (P. 132).

ected; choose	
ecified for each cards becomes pace. Note that bendent † ∏] is ding.	
ode for both ther of the cards	Shootir

《D/① (Dual Independent ↓□)	Images are recorded at the image quality mode specified for each card in slot 1 and 2 (P. 55, 88). Shooting will no longer be possible when either of the cards becomes full. Note that the image quality mode changes when [Dual independent ↓□] is selected; choose the desired mode before proceeding.
গ্⊡/⊡ (Dual Independent †⊡)	Images are recorded at the image quality mode specified for each card in slot 1 and 2 (P. 55, 88). When either of the cards becomes full, recording switches to the card with available space. Note that the image quality mode changes when [Dual independent †] is selected; choose the desired mode before proceeding.
থি≣ি (Dual Same ∔ি)	Images are recorded at the same image quality mode for both cards. Shooting will no longer be possible when either of the cards becomes full.
∰ (Dual Same †⊡)	Images are recorded at the same image quality mode for both cards. When either of the cards becomes full, recording switches to the card with available space.

- If you press the *i* button, you can specify the card to record the shooting data to with [Card Slot Settings] of Custom Menu (P. 132).
- The image quality mode may change if you change the option selected for [Save Settings] or replace a memory card with one that can contain a different amount of additional photographs. Check the image guality mode before taking photographs.

Selecting image quality (

You can set an image quality mode for still images. Select a quality suitable for the application (such as for processing on PC, use on website etc.). This can be set for each card.

- 1 Press the is button to display the LV super control panel.
- 2 Use $\land \bigtriangledown \lor \lor \lor$ to select [$\square \blacklozenge$].
 - · Image quality mode can be set for each card slot. If Save Settings] is set to [Dual Independent] or [DualIndependent **†**] separate image guality modes can be set (P. 54).



- **3** Use the front dial to select an option.
 - Choose from JPEG (I.F. IN. MN, and SN) and RAW modes, Choose a JPEG+RAW option to record both a JPEG and a RAW image with each shot. JPEG modes combine image size (I, M, and S) and compression ratio (SF, F, N, and B).
 - When you want to select a combination other than **I**F. **I**N. **M**N, and **S**N, change the [Set] (P. 119) settings in Custom Menu.
 - During the high resolution shooting (P. 48), you can select between 50M F. 25M F. 50M F+RAW, and 25M F+RAW.
 - Selecting [Dual independent] or [Dual independent] for [Save Settings] changes the image quality mode; choose the desired mode before proceeding.
 - The image quality mode may change if you change the option selected for [Save Settings] or replace a memory card with one that can contain a different amount of additional photographs. Check the image quality mode before taking photographs.

RAW image data

This format (extension ".ORF") stores unprocessed image data for later processing. RAW image data cannot be viewed using other cameras or software, and RAW images cannot be selected for printing. JPEG copies of RAW images can be created using this camera.

Selecting image quality (♀ ◀↔)

You can set a movie record mode suitable for the desired use. Set the card recording image quality mode for the card set as the movie recording destination in [Card Slot Settings]. I rest "Setting the card to record to" (P. 132)

- 1 Press the is button to display the LV super control panel.
- **2** Use $\Delta \nabla \triangleleft \triangleright$ to select [$\mathfrak{A} \triangleleft \bullet$].



≌€

- **3** Use the front dial to select an option.
 - To change movie record mode settings, press \circledast followed by the \mbox{INFO} button and rotate the rear dial.

Record mode	Application	Settings you can change
FHD ■ 30p (Full HD Fine 30p)*1	Shooting clips (P. 72)	Movie resolution, bit rate, frame rate, recording time*4
₩ 30p (4K 30p)*1	Setting 1	Movie resolution, bit rate, frame rate* ⁴
FHD CB AP600 (Full HD Super Fine 60p)*1*2	Setting 2	Movie resolution, bit rate, frame rate*4
FHD (Full HD Fine 60p)*1*2	Setting 3	Movie resolution, bit rate, frame rate*4
FHD 00 8600 (Full HD Normal 60p)*1*2	Setting 4	Movie resolution, bit rate, frame rate*4
<u>[СаК]</u> ₩2с24р (С4К 24р)*1	Custom	Movie resolution, bit rate, frame rate, maximum clip recording time, slow/quick motion shooting* ⁴
HD 】(1280×720, Motion JPEG)*3	Computer playback or editing	_

*1 File format: MPEG-4 AVC/H.264. The maximum size of individual file is limited to 4 GB. The maximum recording time of individual movie is limited to 29 minutes.

*3 The maximum size of individual file is limited to 2 GB.

^{*2} All-Intra refers to a movie recorded without inter-frame compression. Movies in this format are suitable for editing but have a larger data size.

2 Shooting

- *4 The record mode can be set. IP Specification Settings] (P. 100)
- · Depending on the type of card used, recording may end before the maximum length is reached.
- Bit rate selection may be unavailable at some settings.

Using a flash (Flash photography)

- 1 Remove the hot shoe cover and attach the flash to the camera.
 - Slide the flash unit all the way in until it contacts the back of the shoe and is securely in place.



Hot shoe cover

Changing orientation of the flash

You can change the vertical and horizontal orientation of the flash unit. Bounce shooting is also possible.

· Note that when used for bounce photography the flash may not fully illuminate the subject.



Removing the flash unit

Remove the flash unit while pressing the UNLOCK switch.





- turn on the camera.

 When not using the flash, return the lever to the OFF
 - position.

2 Set the flash **ON/OFF** lever to the ON position, and

- 3 Press the ⊛ button to display the LV super control panel.
- **4** Use $\Delta \nabla \triangleleft \triangleright$ to select [Flash Mode].
 - · ·
- Flash Mode

- **5** Use the front dial to select an option.
 - The options available and the order in which they are displayed vary depending on the shooting mode. I "Flash modes that can be set by shooting mode" (P. 59)

4	Flash	The flash fires regardless of the light conditions.	
٤	Flash off	The flash does not fire.	
40	Red-eye reduction flash	The flash fires so that the red-eye phenomenon is reduced.	
\$slow	Slow synchronization (1st curtain)	The flash fires with slow shutter speeds to brighten dimly-lit backgrounds.	
⊚ SLOW	Slow synchronization (1st curtain)/Red-eye reduction flash	The slow synchronization is combined with the red-eye reduction flash.	
\$ SLOW2	Slow synchronization (2nd curtain)	The flash fires immediately before the shutter closes to create trails of light behind moving light sources.	
4 FULL, 4 1/4 etc.	Manual flash	For users who prefer manual operation. If you press the \textcircled{M} button followed by the INFO button, you can use the dial to adjust the flash level.	

- In [\$ (Red-eye reduction flash)], after the pre-flashes, it takes about 1 second before the shutter is released. Do not move the camera until shooting is complete.
- [\$③ (Red-eye reduction flash)] may not work effectively under some shooting conditions.
- When the flash fires, the shutter speed is set to 1/250 seconds or slower. When shooting a subject against a bright background with the flash, the background may be overexposed.
- The sync speed for silent mode and focus bracketing (P. 94) is 1/50 second. The sync speed at ISO sensitivities of 8000 and above and during ISO bracketing (P. 94) is 1/20 second.

2 Shooting

ON/OFF lever

Flash modes that can be set by shooting mode

Shooting mode	LV super control panel	Flash mode	Flash timing	Conditions for firing the flash	Shutter speed limit	
	4	Flash	1st curtain	1et		30 sec 1/250 sec.*
	\$ ©	Red-eye reduction			1/30 sec. – 1/250 sec.*	
	۲	Flash off	—	—	—	
P/A	© SLOW	Slow synchronization (red-eye reduction flash)	1st curtain		60 sec. – 1/250 sec.*	
	\$slow	Slow Synchronization (1st curtain)	curtain	Always fires		
	\$ SLOW2	Slow synchronization (2nd curtain)	2nd curtain			
	4	Flash	1st			
	\$ @	Red-eye reduction flash	curtain	Always fires	60 sec 1/250 sec.*	
S/M	۲	Flash off	—	—	—	
	4 SLOW2	Slow synchronization (2nd curtain)	2nd curtain	Always fires	60 sec. – 1/250 sec.*	

• Only \$ and (3) can be set in HAUTO mode.

* The shutter speed is 1/250 seconds when using a separately sold external flash.

Minimum range

The lens may cast shadows over objects close to the camera, causing vignetting, or the flash may be too bright even at minimum output.

Lens	Approximate distance at which vignetting occurs
ED 12-40mm f2.8 PRO	0.6 m
ED 40-150mm f2.8 PRO	0.6 m

 External flash units can be used to prevent vignetting. To prevent photographs from being overexposed, select **A** or **M** mode, and choose a high aperture value or reduce ISO sensitivity.

Adjusting flash output (Flash intensity control)

Flash output can be adjusted if you find that your subject is overexposed, or is underexposed even though the exposure in the rest of the frame is appropriate.

- **1** Press the ^(S) button to display the LV super control panel.
- **2** Use $\Delta \nabla \triangleleft \triangleright$ to select [52].
- **3** Use the front dial to select an option.





- This setting has no effect when the flash control mode for the external flash unit is set to MANUAL.
- Changes to flash intensity made with the external flash unit are added to those made with the camera.

Processing options (Picture Mode)

You can select a picture mode and make individual adjustments to contrast, sharpness, and other parameters (P. 62). Changes to each picture mode are stored separately.

Picture mode options

黹	i-Enhance	Produces more impressive-looking results suited to the scene.
稻	Vivid	Produces vivid colors.
813	Natural	Produces natural colors.
8 <u>8</u> 4	Muted	Produces flat tones.
×13	Portrait	Produces beautiful skin tones.
Μ	Monochrome	Produces black and white tone.
C	Custom	Use to select one picture mode, set the parameters, and register the setting.
ß	e-Portrait	Produces smooth skin textures. This mode cannot be used with bracket photography or when shooting movies.
龝	Underwater	 Produces vivid color finish perfect for underwater photos. When [[®] Underwater] is set, it is recommended that you set [
٩	Color Creator	Provides a color finish set in Color Creator (P. 71).
ART 1	Pop Art	
ART 2	Soft Focus	
ART 3	Pale&Light Color	
ART 4	Light Tone	
ART 5	Grainy Film	
ART 6	Pin Hole	
ART 7	Diorama	Uses Art Filter settings. Art effects can also be used.
ART 8	Cross Process	
ART 9	Gentle Sepia	
ART 10	Dramatic Tone	
ART 11	Key Line	
ART 12	Watercolor	
ART 13	Vintage	
ART 14	Partial Color	

- 1 Press the ∞ button to display the LV super control panel.
- **2** Use $\Delta \nabla \triangleleft \triangleright$ to select [Picture Mode].
- **3** Use the front dial to select an option.
 - The items available for picture mode differ depending on the shooting mode (P. 24).
 - You can set unused picture modes not to be displayed in the options. I [Picture Mode Settings] (P. 115) Some picture modes cannot be hidden.

Making fine adjustments to sharpness (Sharpness)

In the picture mode (P. 61) settings, you can make fine adjustments to sharpness and store the changes.

- Adjustments may not be available depending on the shooting mode (P. 24).
- 1 Press the ⊛ button to display the LV super control panel.
- **2** Use $\Delta \nabla \triangleleft \triangleright$ to select [Sharpness].
- **3** Use the front dial to select an option.

Making fine adjustments to contrast (Contrast)

In the picture mode (P. 61) settings, you can make fine adjustments to contrast and store the changes.

- Adjustments may not be available depending on the shooting mode (P. 24).
- **1** Press the *i* button to display the LV super control panel.
- **2** Use $\Delta \nabla \triangleleft \triangleright$ to select [Contrast].
- 3 Use the front dial to select an option.



Sharpness







Making fine adjustments to saturation (Saturation)

In the picture mode (P. 61) settings, you can make fine adjustments to saturation and store the changes.

- Adjustments may not be available depending on the shooting mode (P. 24).
- 1 Press the ⊛ button to display the LV super control panel.
- **2** Use $\Delta \nabla \triangleleft \triangleright$ to select a [Saturation].
- **3** Use the front dial to select an option.

Making fine adjustments to tone (Gradation)

In the picture mode (P. 61) settings, you can make fine adjustments to tone and store the changes.

- Adjustments may not be available depending on the shooting mode (P. 24).
- **1** Press the
 button to display the LV super control panel.
- **2** Use $\Delta \nabla \triangleleft \triangleright$ to [Gradation].
- **3** Use the front dial to select an option.

AUTO: Auto	Divides the image into detailed regions and adjusts the brightness separately for each region. This is effective for images with areas of large contrast in which the whites appear too bright or the blacks appear too dark.
NORM: Normal	Use the normal mode for general uses.
HIGH: High Key	Uses a tone suitable for a bright subject.
LOW: Low Key	Uses a tone suitable for a dark subject.



250 F5.6 0.0

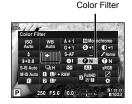
Saturation

Gradation

Applying filter effects to monochrome pictures (Color Filter)

In the monochrome setting of picture mode (P. 61) settings, you can add and store a filter effect in advance. This creates a monochrome image in which the color matching the filter color is brightened and the complementary color is darkened.

- **1** Press the is button to display the LV super control panel.
- **2** Use $\Delta \nabla \triangleleft \triangleright$ to select [Picture Mode].
- **3** Select [Monochrome] using the front dial.
- **4** Use $\Delta \nabla \triangleleft \triangleright$ to select [Color Filter].



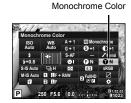
5 Select an item using the front dial.

N:None	Creates a normal black and white image.	
Ye:Yellow	Reproduces clearly defined white cloud with natural blue sky.	
Or:Orange	Slightly emphasizes colors in blue skies and sunsets.	
R:Red	Strongly emphasizes colors in blue skies and brightness of crimson foliage.	
G:Green	Strongly emphasizes colors in red lips and green leaves.	

Adjusting the tone of a monochrome image (Monochrome Color)

In the monochrome setting of picture mode (P. 61) settings, you can add and store a color tint in advance.

- **1** Press the *i* button to display the LV super control panel.
- **2** Use $\Delta \nabla \triangleleft \triangleright$ to select [Picture Mode].
- **3** Select [Monochrome] using the front dial.
- **4** Use $\Delta \nabla \triangleleft \triangleright$ to select [Monochrome Color].



5 Use the front dial to select an option.

N:None	Creates a normal black and white image.	
S:Sepia	Creates a sepia image.	
B:Blue	Creates a bluish image.	
P:Purple	Creates a purplish image.	
G:Green	Creates a greenish image.	

Adjusting i-Enhance effects (Effect)

You can set the i-Enhance effect strength in picture mode (P. 61).

- 1 Press the ∞ button to display the LV super control panel.
- **2** Use $\Delta \nabla \triangleleft \triangleright$ to select [Effect].
- **3** Use the front dial to select an option.



Effect

-n	
10000	
02:03	
1023	

Effect: Low)	Adds a low i-Enhance effect to images.	
Effect: Standard)	fift (Effect: Standard) Adds an i-Enhance effect between "low" and "high" to images.	
Effect: High)	Adds a high i-Enhance effect to images.	

Setting the color reproduction format (Color Space)

You can select a format to ensure that colors are correctly reproduced when shot images are regenerated on a monitor or using a printer. This option is equivalent to the [Color Space] (P. 119) in Custom Menu.

- **1** Press the e button to display the LV super control panel.
- **2** Use $\Delta \nabla \triangleleft \triangleright$ to select [Color Space].
- **3** Use the front dial to select an option.



Color Space

sRGB	This is the RGB color space standard stipulated by the International Electrotechnical Commission (IEC). Normally, use [sRGB] as the standard setting.	
AdobeRGB	This is a standard provided by Adobe Systems. Compatible software and hardware such as a display, printer etc. are required for a correct output of images.	

• [AdobeRGB] is not available in movie mode or with ART (P. 33) or HDR

Changing the brightness of highlights and shadows (Highlight&Shadow)

Use [Highlight&Shadow] to adjust the brightness of highlights and shadows.

1 Press the *instability* button to display the LV super control panel.



Highlight&Shadow

- **2** Use $\Delta \nabla \triangleleft \triangleright$ to select [Highlight&Shadow], then press the \circledast button.
- **3** Use the rear dial to adjust shadows and the front dial to adjust highlights.
 - Settings can be reset by pressing and holding the $\textcircled{\mbox{s}}$ button.

Press the $\ensuremath{\text{INFO}}$ button to view the mid-tone adjustment display.



• The [Highlight&Shadow] can also be accessed via the button to which [Highlight&Shadow control] has been assigned using [Multi Function] option (P. 68).

Assigning functions to buttons (Button Function)

At default settings, the following functions are assigned to the buttons:

Button	Default	Button	Default
Fn] Function	AF Area Select	Function	 (Still picture), Electronic Zoom* (Movie)
Fn2 Function	Multi Function	Function	□/ⓒ (still picture), ➢ISO/❤WB (Movie)
Sunction	REC	Bifn1 Function	AF Area Select
器 Function	AEL/AFL	BIFn2 Function	AEL/AFL
S Function	☑ (Still picture), Peaking (Movie)	∰‡ộ Function	AF Area Select (Still picture), Direct Function (Movie)
C Function	 (Still picture), Q (Movie) 	E Function	 (Still picture), Electronic Zoom* (Movie)
CI Function	101		ロック (still picture), ISO/WB (Movie)
⊲⇔ Function	AF Area Select (Still picture), Direct Function (Movie)	L-Fn Function	AF Stop

* Only available with power zoom lenses

To change the function assigned to a button, follow the steps below.

- **1** Press the is button to display the LV super control panel.
- **2** Use $\Delta \nabla \triangleleft \triangleright$ to select [Button Function] or [Button Function], then press the \bigcirc button.
 - I Button Function] of Custom Menu (P. 113) is displayed in still image shooting mode, and [♀ Button Function] of [♀ Button/Dial/Lever] (P. 100) is displayed in movie mode.
- **3** Use the rear dial to select a button.
- 4 Rotate the front dial to switch the setting screen, then use the rear dial to select an option and press the ⊛ button.





2 Shooting

• The options available vary from button to button.

AF Stop	Press the button to stop autofocus.
翻 (AEL/AFL)	Press the button to use AE lock or AF lock. The function changes according to the [AEL/AFL] (P. 123) setting. When AEL is selected, press the button once to lock the exposure and display [AEL] on the monitor. Press the button again to cancel the lock.
◎ REC	Press the button to record a movie.
(Preview)	Aperture is stopped down to the selected value while the button is pressed. If [On] is selected for [^(C) Lock] in [^(C) Settings] of Custom Menu (P. 116), the aperture is held at the selected value even when the button is released.
☑ (One-touch white balance)	Press the shutter button while the button is pressed to acquire a white balance value (P. 43).
[·:·] (AF Area Select)	Press the button to choose the AF target (P. 39, 40).
[·:·] @ ([·:·] Home)	Press the button to select the AF home position saved with [[.:.] Set Home] (P. 112). Press the button again to return to the original position. If the camera is turned off when the home position is selected, the AF target position set before the home position is selected will be reset.
MF	Press the button to select [MF] mode. Press the button again to restore the previously selected AF mode. You can switch the focusing mode by rotating the dial while pressing the button.
RAW ≰ ⊦	Press the button to toggle between JPEG and RAW+JPEG image quality modes. You can switch the image quality mode by rotating the dial while pressing the button.
TEST (Test Picture)	Press the shutter button while the button is pressed to display taken pictures without recording to the memory card.

(Underwater wide/ Underwater macro)	When using a waterproof protector, press the button to switch between * and • . Press and hold the button
	to return to the original shooting mode. When using a lens with an electronic zoom, switching between and a lens with an electronic zoom, switching between and a lens with an electronic zoom, switching between and the telephoto setting.
i≱ (Exposure compensation)	Press the button to adjust exposure compensation. If you press the button while in \mathbf{P} , \mathbf{A} , or \mathbf{S} modes, you can adjust exposure compensation with the dial or $\triangleleft \mathbf{D}$. If you press the button while in \mathbf{M} mode, you can change the shutter speed and aperture value with the dial or $\Delta \nabla \triangleleft \mathbf{D}$.
C (Digital Tele-converter)	Press the button to turn digital zoom [On] or [Off].
₩ (Keystone Comp.)	Press the button once to display options for keystone compensation and again to save changes and exit. To resume normal photography, press and hold the button.
Q (Magnify)	Press the button to display the magnification frame and press it again to magnify the image. Press and hold the button to cancel magnified display.
HDR	Press the button to switch to HDR shooting with the saved settings. Press the button again to cancel HDR shooting. You can switch the HDR mode by rotating the dial while pressing the button.
ВКТ	Press the button to switch to BKT shooting with the saved settings. Press the button again to cancel BKT shooting. You can switch the BKT mode by rotating the dial while pressing the button.
≊ISO/≅WB	Press the button to adjust ISO sensitivity using the front dial and white balance using the rear dial.
≊WB/≅ISO	Press the button to adjust white balance using the front dial and ISO sensitivity using the rear dial.
Multi Function	To recall the selected multi function, press the button to which [Multi Function] has been assigned. IS "Using multi function options (Multi Function)" (P. 70)
Peaking	Press the button to turn on and off the peaking display. When peaking is displayed, histogram and highlight/ shadow display are not available. When using peaking, you can change colors and emphasis by pressing the INFO button.
Level Disp	Press the button to display the level gauge in the viewfinder and press it again to turn off the level gauge. The level gauge is available when [Style 1] or [Style 2] is set in [EVF Style] (P. 133).
I◯I (I◯I View Selection)	Press this button to turn on and off the live view. If the eye sensor is disabled, it switches between monitor display and EVF display.
歸 (S-OVF)	Press the button to display an image in the viewfinder as an optical viewfinder image. (m) will be displayed in the viewfinder. Press the button to end [S-OVF].

AF Limiter	Press the button to turn on and off the AF Limiter. You can switch the AF Limiter mode by rotating the dial while pressing the button.
Preset MF	Press the button to switch to Preset MF. Press the button again to return to the original AF setting. You can switch the focusing mode by rotating the dial while pressing the button.
Exif Lens (Lens Info Settings)	Press the button to display the lens information settings menu (P. 132).
IS Mode	Press the button to turn on and off the image stabilization. You can switch the image stabilization mode by rotating the dial while pressing the button.
(Flash Mode)	Press the button to choose a flash mode. You must first set [II () Function] to [Direct Function].
	Press the button to choose a sequential shooting or self- timer option. You must first set [II] Function] to [Direct Function].
🖳 (Switch 🌄 Lock)	Press and hold the button to enable and disable touch screen operation. You must first set [
Electronic Zoom	When using a lens with a power zoom function, after pressing the button, use the arrow pad for zooming operations. You must first set [I Punction] to [Direct Function].

- To use [▶ Function] and [Function] options, you will first have to select [Direct Function] for [⇔ Function].
- To use [₩ ▶ Function] and [₩ ▼ Function] options, you will first have to select [Direct Function] for [₩ ♦ Function].
- The [Direct Function] option for \Leftrightarrow button applies to each of $\Delta \nabla \triangleleft \triangleright$.
- Assign [·:·] to the ⊲⇔ button to use it for AF target selection.
- The LFn button can be used for the functions available on some lenses.
- The multi-function button can be assigned the following roles:

 [☐ (Highlight&Shadow Control), ③ (Color Creator), (ISO/WB), (WB/ISO),
 Q. (Magnify), 巴 (Image Aspect), (S-OVF), (Peaking)

Using multi function options (Multi Function)

Multiple functions can be assigned to a button by setting [Multi Function] to the button in [C] Button Function] or [P Button Function]. At default settings, multi function is assigned to the Fn2 button.

Choosing a function

- Press and hold the **Fn2** button and rotate the front or rear dial. 1
 - · The menus are displayed.
- **2** Keep rotating the dial to choose a function.
 - · Release the button when the desired function is selected.



Using the selected function

Press the Fn2 button. The function setting screen will be displayed.

When [Q] is assigned to the Fn2 button



Shooting display

Zoom frame AF display

Zoom AF display

When other options are assigned to the Fn2 button



Highlight&Shadow Control screen



Color Creator screen



Aspect ratio setting screen

Function	Front dial (Rear dial (©)
(Highlight&Shadow Control) (P. 66)	Highlight control	Shadow control
(Color Creator) (P. 71)	Hue	Saturation
🕅 (ISO/WB) (P. 42, 51/P. 42, 52)	ISO sensitivity	WB mode
(WB/ISO)* (P. 42, 52/P. 42, 51)	WB mode	ISO sensitivity
Q (Magnify) (P. 41)	Zoom AF: Zo	oom in or out
E (Image Aspect) (P. 54)	Aspec	t ratio
জি (S-OVF) (P. 121)	_	
Mark (Peaking) (P. 124)	—	

* The function is displayed when it is selected in [Multi Function Settings] (P. 115).

Adjusting overall color (Color Creator)

The overall color of the image can be adjusted using any combination of 30 hues and 8 saturation levels.

You must first set Color Creator to the Fn2 button (P. 70).

- 1 Press the Fn2 button.
 - The setting screen will be displayed.



- **2** Set hue using the front dial and saturation using the rear dial.
 - Settings can be reset by pressing and holding the or button.
 - To exit without setting the Color Creator, press the **MENU** button.
- 3 Press the 🛞 button.
 - To return to the Color Creator setting screen, press the $\ensuremath{\textbf{Fn2}}$ button.
- Photos are recorded in RAW+JPEG format when [RAW] is selected for image quality (P. 55, 88).
- Pictures taken using [HDR] (P. 49, 95) or [Multiple Exposure] (P. 95) are recorded at the [Natural] setting.

Shooting "My Clips"

You can create a single My Clips movie file including multiple short movies (clips). You can also add still pictures to the My Clips movie.

Shooting

- **1** Set the mode dial to \mathbf{A} .
- 2 Press the or button to display the LV super control panel.
- **3** Use $\Delta \nabla \triangleleft \triangleright$ to select [$\mathfrak{A} \triangleleft \bullet$].



- 4 Select ^{FHD} using the front dial and press the ⊛ button.
 - Press the **INFO** button to change [Movie Resolution], [Bit Rate], [Frame Rate], and [Clip Recording Time]. Highlight [Movie Resolution], [Bit Rate], [Frame Rate], or [Clip Recording Time] using $\triangleleft \triangleright$ and use $\triangle \nabla$ to change.

5 Press the **()** button to start shooting.

- If you press the

 button again during shooting, the shooting will continue while the button is held down (up to a maximum of 16 seconds).
- 6 Press the
 button to shoot the next clip.
 - · The confirmation screen will disappear and shooting of the next clip will start.
 - To delete the clip you have shot or save it in a different My Clips, perform the following on the confirmation screen.

Δ	Plays back My Clips from the beginning.
\bigtriangledown	Changes My Clips to save the clip to and the position to add the clip to. Use $\triangleleft \triangleright$ to change the position to add the clip to in the My Clips.
Ō	Deletes the shot clip.

- The shooting of the next clip can be started by pressing the shutter button halfway. The clip is saved in the same My Clips as the previous clip.
- Clips with different [Movie Resolution], bit rate, and [Frame Rate] settings are saved as separate My Clips.

Creating new My Clips

Move a clip to \mathbf{k} using $\Delta \nabla$, and press the \mathbf{k} button.



Removing a clip from My Clips

Move a clip to \mathfrak{A} using $\Delta \nabla \triangleleft \mathcal{D}$, and press the \mathfrak{B} button.

• The clip removed from My Clips will be a normal movie file.

Playback

You can play back the files in My Clips consecutively.

- Press the ▶ button and select an image marked [∞].
- - · The files in My Clips will play back consecutively.
 - Press the $\textcircled{\mbox{\scriptsize es}}$ button to end the consecutive playback.

Editing "My Clips"

You can create a single movie file from My Clips.

The shot clips are stored in My Clips. You can add movie clips and still pictures to My Clips. You can also add screen transition effects and art filter effects.

1 Press the **b** button and then rotate the rear dial to play back My Clips.









Single-frame playback Index display

My Clips playback

Calendar display

ОК

- Images marked with in the My Clips playback display can be viewed by pressing the button, highlighting the image, and pressing button.
- **2** Use $\Delta \nabla$ to select My Clips and $\triangleleft \triangleright$ to select a clip, and press the B button.

3 Select an item using $\Delta \nabla$ and press the \odot button.

Play My Clips	Plays back the files in My Clips in order, starting from the beginning.	
Movie Interval	Plays back the selected clips as movie.	
Rearrange Order	Moves or adds files in My Clips.	
Preset Destination From the next time you shoot, movies shot in the same settings will be added to this My Clips.		
Delete My Clips	Deletes all unprotected files from My Clips.	
Erase	Select [Yes] and press the w button to delete.	

- **4** Display My Clips from which you wish to create the movie. Select [Export My Clips] and press the ⊛ button.
- **5** Select an item using $\Delta \nabla$ and press the \odot button.

Clip Effects	You can apply 6 types of art effects.	
Transition Effect	You can apply fade effects.	
BGM	You can set [Party Time] or [Off].	
Recorded Clip Volume	Clip Volume When [BGM] is set to [Party Time], you can set a volume for sounds recorded in the movie.	
Recorded Clip Sound By setting to [On], you can create a movie with the re sound. This setting is only available when [BGM] is s [Off].		
Preview	You can preview the files of the edited My Clips in order, starting from the first file.	

- 6 When you have finished the editing, select [Begin Export] and press the ⊛ button.
 - · The combined album is saved as a single movie.
 - Exporting a movie may take some time.
 - The maximum length for My Clips is 15 minutes and the maximum file size is 4 GB.
- It may take a while for My Clips to display after taking out, inserting, erasing, or protecting the card.
- You can record a maximum of 99 My Clips and a maximum of 99 cuts per clip. The maximum values may vary depending on the file size and length of My Clips.
- · You cannot add movies other than clips to My Clips.
- You can change [Party Time] to different BGM. Record the data downloaded from the Olympus website onto the card, select [Party Time] from [BGM] in step 5, and press ▷. Visit the following website for the download. http://support.olympus-imaging.com/bgmdownload/

2 Shooting

Shooting slow/quick motion movies

- 1 Press the is button to display the LV super control panel.
- **2** Use $\Delta \nabla \triangleleft \triangleright$ to select [$\Omega \triangleleft \bullet$].
- 3 Use the front dial to select ^[⊆4K]/_{∰24} (custom record mode) (P. 56), then press the ⊛ button.
 - The option selected for [Slow or Fast Motion] can be changed by pressing the INFO button. In ⊲▷, select [Slow or Fast Motion] and then press △∇ to select a magnification factor and press the ⊛ button. Increase the multiplication factor to shoot a quick motion movie. Reduce the multiplication factor to shoot a slow motion movie. The frame rate changes accordingly.

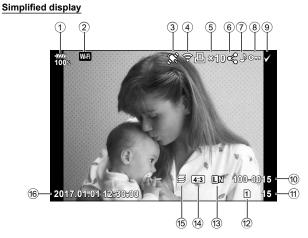


- 4 Press the O button to start shooting.
 - Press the
 button again to end shooting.
 - The movie will be played back at a fixed speed so that it appears to be in slow motion or quick motion.
- · Sound will not be recorded.
- · Any picture mode art filters will be canceled.
- Either or both of slow motion and quick motion cannot be set for some options of [♀.
- The shutter speed is limited to values faster than 1/24 seconds when using autofocus. This limitation will not be applied when using manual focus.
- The shutter speed is limited to values faster than 1/24 seconds when using P, A, or S mode in movie shooting.
- When using M mode in movie shooting, the shutter speed is limited according to autofocus or manual focus. The focus mode cannot be switched from manual to autofocus.

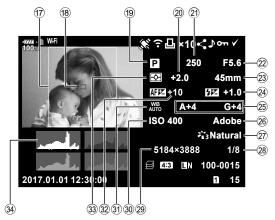


Information display during playback

Playback image information



Overall display



3 4	Battery level Wireless LAN connection Including GPS information. Eye-Fi upload complete Print order	P. 134–138 P. 137
	Number of prints	P. 144
6	Share order	P. 82
7	Sound record	P. 83, 107
8	Protect	P. 81
9	Image selected	P. 82
10	File number	P. 120
1	Frame number	
12	Slot selected for playback	P. 78
13	Image quality	P. 55, 88
14)	Aspect ratio	P. 54
15		
-	HDR1 HDR2 HDR image	P. 49, 95
16	Date and time	P. 19

(17)	Aspect border	P. 54
18	AF area pointer	P. 40
(19)	Shooting mode	P. 24–37
20	Exposure compensation	
21)	Shutter speed	
	Aperture value	
	Focal length	
24)	Flash intensity control	P. 60
25	White balance compensation.	P. 52
26	Color space	P. 65
27)	Picture mode	P. 61, 88
28	Compression rate	P. 131
(29)	Pixel count	D 101
-		P. 131
30	ISO sensitivity	
30		P. 42, 51
30 31	ISO sensitivity	P. 42, 51 P. 42, 52
30 31 32	ISO sensitivity White balance	P. 42, 51 P. 42, 52 P. 112
30 31 32	ISO sensitivity White balance Focus adjustment	P. 42, 51 P. 42, 52 P. 112 P. 45, 51

Switching the information display

You can switch the information displayed during playback by pressing the **INFO** button.

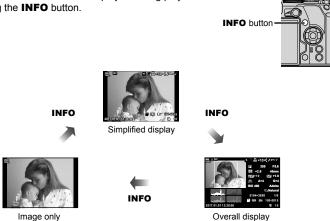


Image only

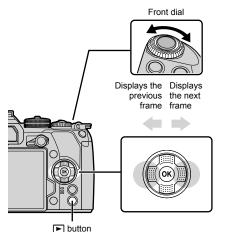
· You can add histogram, highlight & shadow, and Light Box to the information displayed during playback. I Info] (P. 127)

Viewing photographs and movies

- 1 Press the ► button.
 - · Your most recent photograph or movie will be displayed.
 - Select the desired photograph or movie using the front dial () or arrow pad.
 - · Press the shutter button halfway to return to shooting mode.

🖗 Tips

To change the playback card, while pressing the button, turn the dial to select a slot, then release the button. The playback card setting will return to the original setting once the camera exits the playback mode. The change of playback card by this operation does not affect the [Slot] setting of [Card Slot Settings] (P. 132).





Still image



Movie

Rear dial (©)	Zoom in (©)/Index (©)
Front dial ()Previous ()/Next ()Operation also available during close-up playback.	
Arrow pad ($\Delta \nabla \triangleleft D$)Single-frame playback: Next (\triangleright)/previous (\triangleleft)/playback verticityArrow pad ($\Delta \nabla \triangleleft D$)Close-up playback: Changing the close-up position You can display the next frame (\triangleright) or the previous frame during close-up playback by pressing the INFO button. Press the INFO button again to display a zoom frame and $\Delta \nabla \triangleleft \triangleright$ to change its position. Index/My Clips/calendar playback: Highlight image	
INFO	View image info
X	Select picture (P. 82)
AEL/AFL button	Protect picture (P. 81)

S Playback

Ó	Delete picture (P. 82)
66	View menus (in calendar playback, press this button to exit to single-frame playback)

Index display/Calendar display

- In single-frame playback, rotate the rear dial to a for index playback. Rotate further for My Clips playback and further still for calendar playback.
- Turn the rear dial to Q to return to single-frame playback.



- *1 If one or more My Clips have been created, it will be displayed here (P. 72).
- You can change the number of frames for index display. I Settings] (P. 128)

Viewing still images

Close-up playback

In single-frame playback, turn the rear dial to ${\bf Q}$ to zoom in. Turn to \blacksquare to return to single-frame playback.



Close-up playback

Rotate

Choose whether to rotate photographs.

- **1** Play the photograph back and press the \bigcirc button.
- 2 Select [Rotate] and press the 🐵 button.
- **3** Press Δ to rotate the image counterclockwise, ∇ to rotate it clockwise; the image rotates each time the button is pressed.
 - Press the or button to save settings and exit.
 - The rotated image is saved in its current orientation.
 - Movies and protected images cannot be rotated.

Slideshow

This function displays images stored on the card one after another.

1 Press the ⊛ button during playback and select [[]].



2 Adjust settings.

Start	Start the slideshow. Images are displayed in order, starting with the current picture.
BGM	Set [Party Time] or [Off].
Slide	Set the type of data to be played back.
Slide Interval	Choose the length of time each slide is displayed from 2 to 10 seconds.
Movie Interval	Select [Full] to play back full length of each movie clip in the slideshow or [Short] to play back only the opening portion of each movie clip.

- 3 Select [Start] and press the ow button.
 - The slideshow will start.
 - Press the 🛞 button to stop the slideshow.

Volume

Volume can be adjusted by pressing Δ or ∇ during single-frame and movie playback.



Slideshow volume

Press $\Delta \nabla$ during the slideshow to adjust the overall volume of the camera speaker. Press $\Delta \triangleright$ while the volume adjustment indicator is displayed to adjust the balance between the sound recorded with the image or movie and background music.

Watching movies

Select a movie and press the M button to display the playback menu. Select [Play Movie] and press the M button to begin playback. Fast-forward and rewind using $\triangleleft/\triangleright$. Press the M button again to pause playback. While playback is paused, use \bigtriangleup to view the first frame and \bigtriangledown to view the last frame. Use $\triangleleft \triangleright$ or the front dial (M) to view previous or next frame. Press the **MENU** button to end playback.

For movies of 4 GB or larger

If the movie was automatically split into multiple files, pressing \circledast will display a menu containing the following options:

 [Play from Beginning]:
 Plays back a split movie all the way through

 [Play Movie]:
 Plays back files separately

 [Delete entire P]:
 Deletes all parts of a split movie

 [Erase]:
 Deletes files separately

 We recommend using the latest version of OLYMPUS Viewer 3 to play back movies on a computer. Before launching the software for the first time, connect the camera to the computer.

Protecting images

Protect images from accidental deletion.

Display the image you want to protect and press the **AEL**/ **AFL** button to add **O**m to the image (protection icon). Press the **AEL/AFL** button again to cancel protection. You can also protect multiple selected images. **L** "Selecting images (**O**m, Copy Select, Erase Selected, Share Order Selected)" (P. 82)

• Formatting the card erases all data including protected images.

Copying an image (Copy)

When there are cards with available space in both slots 1 and 2, you can copy an image to the other card. When playing back an image you want to copy, press the \circledast button to display the playback menu. After selecting [Copy] and pressing the \circledast button, select whether or not to specify a folder to save to. Select [Yes], then press the \circledast button to copy the image to the other card.

• You can also copy all images on a card to the other card at a time. I "Copy All" (P. 108)



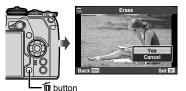


O-n (protect) icon

Erasing an image

Display an image you want to delete and press the **1** button. Select [Yes] and press the button.

You can erase images without the confirmation step by changing the button settings.



Selecting images (O-n, Copy Select, Erase Selected, Share Order Selected)

You can select multiple images for [**Orn**], [Copy Select], [Erase Selected] or [Share Order Selected].

Press the \checkmark button on the index display screen (P. 79) to select an image; a \checkmark icon will appear on the image. Press the \checkmark button again to cancel the selection.

Press the
button to display the menu, and then select from [On], [Copy Select], [Erase Selected] or [Share Order Selected].



Setting a transfer order on images (Share Order)

You can select images you want to transfer to a smartphone in advance. You can also browse the images included in the share order. When playing back images you want to transfer, press the M button to display the playback menu. After selecting [Share Order] and pressing the M button, press \bigtriangleup or ∇ to set a share order on an image and display \blacktriangleleft . To cancel a share order, press \bigtriangleup or ∇ .

You can select images you want to transfer in advance and set a share order all at once. I response images (On, Copy Select, Erase Selected, Share Order Selected)" (P. 82), "Transferring images to a smartphone" (P. 136)

- You can set a share order on 200 frames.
- Share orders cannot include RAW images or Motion JPEG (HD) movies.

3

Audio recording

Audio can be added to still images (up to 30 sec. long).

- 1 Display the image to which you want to add audio and press the image button.
 - Audio recording is not available with protected images.
 - · Audio recording is also available in the playback menu.
- 2 Select [♥] and press the ⊛ button.
 - To exit without adding audio, select [Cancel].
- **3** Select [♥ Start] and press the ⊛ button to begin recording.
- **4** Press the ow button to end recording.
 - Images recorded with audio are indicated by a licon.
 - To delete recorded audio, select [Erase] in Step 3.

Adding still pictures to My Clips (Add to My Clips)

You can also select still pictures and add them to My Clips.

Display the still picture you wish to add and press the B button to display the menu.

Select [Add to My Clips] and press the M button. Using $\Delta \nabla \triangleleft \triangleright$, select My Clips and the order in which you wish to add the pictures, then press the M button.

For RAW or High Res Shot images, coarse images used for display are added.





Using the touch screen

You can use the touch screen to manipulate images.

■ Full-frame playback

Displaying the previous or next image

• Slide your finger to the left to view the next image, and right to view the previous image.

Magnify

- Lightly tap the screen to display the slider and
- Slide the bar up or down to zoom in or out.
- Slide your finger to scroll the display when the picture is zoomed in.
- Tap to display index playback.
 Tap for calendar playback and My Clips playback.

Index/My Clips/Calendar playback

Displaying the previous or next page

- Slide your finger up to view the next page, and down to view the previous page.
- Tap several times to return to single-frame playback.

Viewing images

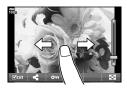
· Tap an image to view it full frame.

Selecting and protecting images

In single-frame playback, lightly tap the screen to display the touch menu. You can then perform the desired operation by tapping the icons in the touch menu.

V	Select an image. You can select multiple images and delete them collectively.
<	Images you want to share with a smartphone can be set. I "S" "Setting a transfer order on images (Share Order)" (P. 82)
0-11	Protects an image.

- · Do not tap the display with your fingernails or other sharp objects.
- · Gloves or monitor covers may interfere with touch screen operation.









Basic menu operations

The menus contain shooting and playback options that are not displayed by the LV super control panel, etc., and let you customize the camera settings for easier use.

P ₁	Preliminary and basic shooting options (P. 86)
P 2	Advanced shooting options (P. 86)
æ	Movie mode settings (P. 100)
►	Playback and retouch options (P. 105)
*	Customizing camera settings (P. 111)
ŕ	Camera setup (e.g., date and language) (P. 109)

1 Press the MENU button to display the menus.



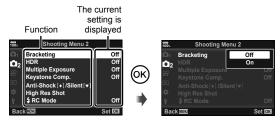
go back one screen

- · A guide is displayed in 2 seconds after you select an option.
- Press the INFO button to view or hide guides.
- **2** Use $\Delta \nabla$ to select a tab and press the \odot button.
 - The menu group tab appears when the ★ Custom Menu is selected. Use △ ▽ to select the menu group and press the ⊛ button.

100%	AF/MF	
	AF mode	S-AF
10 A2	AEL/AFL	S-AF
	AF Scanner	mode1
B1	C-AF Lock	±0
E 62 C1	AF Limiter	Off
Q C2	[mm/.//m]Settings	
D1	AF Area Pointer	On2
Back	MENU	Set 🕅

Menu group

3 Select an item using $\Delta \nabla$ and press the B button to display options for the selected item.



- **4** Use $\Delta \nabla$ to highlight an option and press the button to select.
 - Press the **MENU** button repeatedly to exit the menu.
- For the default settings of each option, refer to "Menu directory" (P. 165).

Using Shooting Menu 1/Shooting Menu 2



Shooting Menu 1

Reset / Custom Modes (P. 86) Picture Mode (P. 61, 88)
Image Aspect (P. 55, 88) Image Aspect (P. 54) Digital Tele-converter (P. 88)
U/☉/ⓓ (Sequential shooting/ Self-timer/Time lapse shooting) (P. 46, 54, 89, 90)

Shooting Menu 2

 Bracketing (P. 91) HDR (P. 49, 95) Multiple Exposure (P. 95) Keystone Comp. (P. 97) Anti-Shock [♦]/Silent [♥] (P. 98) High Res Shot (P. 99)
 C Mode (P. 99, 153)

Returning to default settings (Reset)

Camera settings can be easily restored to default settings.

- 1 Select [Reset / Custom Modes] in
 ^IA Shooting Menu 1 and press the
 ^I⊗ button.
- 2 Select [Reset] and press the ow button.
 - Highlight [Reset] and press ▷ to choose the reset type. To reset all settings except the time, date, and a few others, highlight [Full] and press the button.
 IS "Menu directory" (P. 165)
- 3 Select [Yes] and press the ⊛ button.



Registering favorites settings (Assign to Custom Mode)

Editing custom settings

Current camera settings can be saved to three Custom Modes (C1 to C3). Saved settings can be recalled by rotating the mode dial to **C1, C2**, or **C3**, or using [Recall from Custom Mode].

- 1 Adjust settings in order to save.
 - Set the mode dial to the positions other than iAUTO ($(\underline{RUTO}), \, \underline{ART}, \, \text{or movie} \, (\underline{\Omega}) \,$ mode.
- 2 Select [Reset/Custom Modes] in A Shooting Menu 1 and press the button.
- 3 Select [Assign to Custom Mode] and press ▷.
- 4 Select the desired destination ([Custom Mode C1]–[Custom Mode C3]) and press the ⊛ button.
- 5 Select [Set] and press the or button.
 - · Selecting [Set] saves current settings, overwriting the registered settings.
 - To cancel the registration, select [Reset].
- Settings that can be saved to the Custom Modes I "Menu directory" (P. 165)
- Settings are preset in each Custom Mode. Selecting [Reset] > [Full] when resetting camera settings restores the preset settings for each Custom Mode. See "Default Custom Mode options" for default settings (P. 175).

Recalling custom settings

Settings saved to mode dial C1, C2 or C3 can be recalled.

- 1 Select [Reset / Custom Modes] in Ⅰ Shooting Menu 1 and press the button.
- 2 Select [Recall from Custom Mode] and press ▷.
- 3 Select [Custom Mode C1]–[Custom Mode C3] and press the is button.
- The shooting mode will not be applied if the mode dial is set to P, A, S or M.

Processing options (Picture Mode)

You can make individual adjustments to contrast, sharpness and other parameters in [Picture Mode] (P. 61) settings. Changes to parameters are stored for each picture mode separately.

- 1 Select [Picture Mode] in Ⅰ Shooting Menu 1 and press the button.
 - The camera will display the picture mode available in the current shooting mode.



- **2** Select an option with $\Delta \nabla$ and press the \odot button.
- Press > to set the detailed options for the selected picture mode. Detailed options are not available for some picture modes.
- · Changes to contrast have no effect at settings other than [Normal].

🖉 Tips

You can reduce the number of picture mode options displayed in the menu.
 [Picture Mode Settings] (P. 115)

Image quality (🗖 🐳)

Selecting image quality (☐ €:-)" (P. 55)

 You can change the JPEG image size and compression ratio combination, and [II] and [S] pixel counts. [€: Set], [Pixel Count] IS "Combinations of JPEG image sizes and compression rates" (P. 131)

Digital Zoom (Digital Tele-converter)

Digital Tele-converter is used to zoom in beyond the current zoom ratio. The camera saves the center crop. The subject is nearly doubled in size.

- 1 Select [On] for [Digital Tele-converter] in A Shooting Menu 1.
- **2** The view in the monitor will be enlarged by a factor of two.
 - · The subject will be recorded as it appears in the monitor.
- · This function cannot be used in multiple exposure shooting.
- This function is not available when the information of [Movie Effect] is displayed on the screen in movie mode.
- This function is not available when [Movie 🔄] is assigned to a button with [P Button Function].
- When a RAW image is displayed, the area visible in the monitor is indicated by a frame.
- · AF target drops.
- Is displayed on the monitor.

Setting the custom self-timer (□/ⓒ)

You can customize the self-timer operation.

1 Select [□]/☉/□] in □ Shooting Menu 1 and press the ⊛ button.



- **2** Select $[\square / \circlearrowright]$ and press \triangleright .
- 3 Select [♂C] (custom) and press ▷.
- **4** Use $\Delta \nabla$ to select the item and press \triangleright .
 - Use $\Delta \nabla$ to select the setting and press the \circledast button.

Number of Frames Sets the number of frames to be shot.	
Sets the time after the shutter button is pressed until the pictur taken.	
Interval Length Sets the shooting interval for the second and subsequent frame	
Every Frame AF	Sets whether or not to perform AF right before a picture is taken with self-timer.

Shooting automatically with a fixed interval (U time lapse shooting)

You can set the camera to shoot automatically with a set time lapse. The shot frames can also be recorded as into a single movie. This setting is only available in P/A/S/M modes.

 Select [□/()/Ū] in P Shooting Menu 1 and press the ⊛ button.

_		
100%	Shooting Menu 1	
D 1	Reset / Custom Modes	
rðin.	Picture Mode	÷13
<u></u>	₫ (†	LN
	Image Aspect	
►	Digital Tele-converter	Off
\$		
۴		
Bac	k MENU	Set OK

- 2 Select [Intrvl. Sh./Time Lapse] and press ▷.
- **3** Select [On] and press the \triangleright .
- **4** Adjust the following settings and press the is button.

Number of Frames	Sets the number of frames to be shot.
Start Waiting Time	Sets waiting time before starting to shoot.
Interval Length	Sets interval between shots after shooting starts.
Time Lapse Movie	Sets recording format of frame sequence. [Off]: Records each frame as a still picture. [On]: Records each frame as a still picture and generates a single movie from the frame sequence.
Movie Settings	[Movie Resolution]: Choose a size for time lapse movies. [Frame Rate]: Choose a frame rate for time lapse movies.

5 Shoot.

- Frames are shot even if the image is not in focus after AF. If you wish to fix the focus position, shoot in MF.
- [Rec View] (P. 109) operates for 0.5 seconds.
- If either of the time before shooting, or shooting interval is set to 1 minute 31 seconds or longer, the monitor and camera power will turn off after 1 minute. 10 seconds before shooting, the power will automatically turn on again. When the monitor is off, press the shutter button to turn it on again.
- If the AF mode (P. 43, 51) is set to [C-AF] or [C-AF+TR], it is automatically changed to [S-AF].
- Touch operations are disabled during time lapse shooting.
- This function cannot be used with HDR photography.
- It is not possible to combine time lapse shooting with bracketing, multiple exposure, and bulb, time or composite photography.
- The flash will not work if the flash charging time is longer than the interval between shots.
- If the camera automatically turns off in interval between shots, it will turn on in time for the next shot.
- If any of still pictures are not recorded correctly, the time lapse movie will not be generated.
- · If there is insufficient space on the card, the time lapse movie will not be recorded.
- Time lapse shooting will be canceled if any of the following is operated: Mode dial, MENU button, button, lens release button, or connecting the USB cable.
- If you turn off the camera, time lapse shooting will be canceled.

FN 91

Menu functions (Shooting menu)

4

- If there is not enough charge left on the battery, the shooting may end partway through. Make sure the battery is charged enough before shooting.
- Depending on your computer's system environment, you may not be able to view [4K] movies on your computer. More information is available on the OLYMPUS website.

Varying settings over a series of photographs (Bracketing)

"Bracketing" refers to the act of varying settings automatically over a series of shots or a series of images to "bracket" the current value. You can store bracket shooting settings and turn bracket shooting off.

- Select [Bracketing] in Shooting Menu 2 and 1 press the @ button.
- Bracketing Off HDR 02 Multiple Exposure Off Off Keystone Comp. Anti-Shock [+] /Silent [*] High Res Shot \$ RC Mode Off Set OK
- **2** After selecting [On], press \triangleright and select a bracket shooting type.
 - When you select bracket shooting, [BKT] appears on the screen.
- Bracketing AE BKT 3f 1.0EV **WB BKT** FL BKT ISO BKT ART BKT Focus BKT **E**\$) Set OK
- 3 Press ▷, select settings for parameters such as the number of shots, and then press the ow button.
 - Press the is button repeatedly until the screen returns to the one in step 1.
 - · If you select [Off] in step 2, bracket shooting settings will be saved and you can shoot normally.
- Bracketing can not be combined with HDR, interval-timer photography, digital shift. multiple-exposure photography, or high res shots.
- Bracketing is not available if there is not enough space on the camera's memory card for the selected number of frames

^{©_} Tips

 If you turn the Custom Menu [Switch Punction] (P. 113) [On], bracketing settings are available with button operation. Set the **Fn** lever to position 2 and rotate the dial while pressing the \Box_{i} **(b) HDR** button. You can select the bracket shooting type with the front dial and the number of shots with the rear dial. After settings are complete, you can switch between bracketing and normal shooting by pressing the \Box_{1} (**HDR** button.



Menu functions (Shooting menu)

The camera varies the exposure of each shot. You can select the bracketing increment from 0.3 EV, 0.7 EV, and 1.0 EV. In single-frame shooting mode, one photograph is taken each time the shutter button is pressed all the way down, while in sequential shooting mode the camera continues to take shots in the following order while the shutter button is pressed all the way down: no modification, negative, positive. Number of shots: 2, 3, 5, or 7

- The BKT indicator turns green during bracketing.
- The camera modifies exposure by varying aperture and shutter speed (P mode), shutter speed (A and M modes), or aperture (S mode). If [All] is selected for [ISO-Auto] (P. 117) in M mode and [AUTO] is selected for [ISO] (P. 42, 51), the camera modifies exposure by varying ISO sensitivity.
- The camera brackets the value currently selected for exposure compensation.
- The size of the bracketing increment changes with the value selected for [EV Step]. I rest [EV Step] (P. 117)

WB BKT (WB bracketing)

Three images with different white balances (adjusted in specified color directions) are automatically created from one shot, starting with the value currently selected for white balance. WB bracketing is available in P, A, S and M modes.

- White balance can be varied by 2, 4, or 6 steps on each of the A–B (Red–Blue) and G–M (Green–Magenta) axes.
- The camera brackets the value currently selected for white balance compensation.

FL BKT (FL bracketing)

The camera varies flash level over three shots (no modification on the first shot, negative on the second, and positive on the third). In single-frame shooting, one shot is taken each time the shutter button is pressed; in sequential shooting, all shots are taken while the shutter button is pressed.

- The BKT indicator turns green during bracketing.
- The size of the bracketing increment changes with the value selected for [EV Step]. I (EV Step] (P. 117)







Menu functions (Shooting menu)

4

ISO BKT (ISO bracketing)

The camera varies the sensitivity over three shots while keeping the shutter speed and aperture fixed. You can select the bracketing increment from 0.3 EV, 0.7 EV, and 1.0 EV. Each time the shutter button is pressed, the camera shoots three frames with the set sensitivity (or if auto sensitivity is selected, the optimal sensitivity setting) on the first shot, negative modification on the second shot, and positive modification on the third shot.

- The size of the bracketing increment does not change with the value selected for [ISO Step]. ISS [ISO Step] (P. 117)
- Bracketing is performed regardless of the upper limit set with [ISO-Auto Set]. ISO-Auto Set] (P. 117)

ART BKT (ART bracketing)

Each time the shutter is released, the camera records multiple images, each with a different art filter setting. You can turn art filter bracketing on or off separately for each picture mode.

- · Recording may take some time.
- · ART BKT cannot be combined with WB BKT or ISO BKT.





Focus BKT (Focus bracketing)

Take a series of shots at different focus positions. Focus moves successively farther from the initial focus position. Choose the number of shots using [Set number of shots] and the change in focus distance using [Set focus differential]. Choose smaller values for [Set focus differential] to narrow the change in focus distance, larger values to widen it. If you are using a flash other than the dedicated flash unit, you can specify the time it takes to charge using the [Charge Time] option.

Press the shutter button all the way down and release it immediately. Shooting will continue until the selected number of shots is taken or until the shutter button is pressed all the way down again.

- Focus bracketing is not available with lenses that have mounts conforming to the Four-Thirds standard.
- Focus bracketing ends if zoom or focus is adjusted during shooting.
- · Shooting ends when focus reaches infinity.
- Pictures taken using focus bracketing are shot in silent mode.
- To use the flash, select [Allow] for [Silent [♥] Mode Settings]
 > [Flash Mode].

ISilent [♥] Mode Settings] (P. 98)

Focus bracketing can not be combined with other forms of bracketing.



Focus BKT (Focus Stacking)

The focus position is automatically shifted to capture 8 shots which are then composited for a single JPEG image that is in focus all the way from the foreground to background.

- The focus position is automatically shifted based on the center of the focal position and 8 frames are captured in a single shot.
- · If compositing fails, the image will not be saved.
- Focus stacking ends if zoom or focus is adjusted during shooting.
- The angle of view for composited images is narrower than the original images.
- See the OLYMPUS website for information on the lenses that can be used with [Focus Stacking].
- · Focus stacking can not be combined with other forms of bracketing.



Taking HDR (High Dynamic Range) images

You can shoot **HDR** (High Dynamic Range) images. I Taking HDR (High Dynamic Range) images" (P. 49)

 Select [HDR] in ^D₂ Shooting Menu 2 and press the ⊛ button.

100%	Shooting Menu 2	
Ö1	Bracketing	Off
Ū.	HDR	Off
<u> </u>	Multiple Exposure	Off
	Keystone Comp.	Off
	Anti-Shock[+]/Silent[*]	
\$₽	High Res Shot	
Ý	\$ RC Mode	Off
Bac	k Menu	Set OK

- 2 Select a type of HDR photography and press the is button.
- 3 Shoot.
 - When you press the shutter button, the camera automatically shoots the set number of images.

Recording multiple exposures in a single image (Multiple Exposure)

Record multiple exposures in a single image, using the option currently selected for image quality.

- 1 Select [Multiple Exposure] in ₽ Shooting Menu 2 and press the ⊛ button.
- **2** Use $\Delta \nabla$ to select the item and press \triangleright .
 - Use $\Delta \nabla$ to select the setting and press the \circledast button.

Number of Frames	Select [2f].
Auto Gain	When set to [On], the brightness of each frame is set to 1/2 and the images are overlaid. When set to [Off], the images are overlaid with the original brightness of each frame.
Overlay	When set to [On], a RAW image recorded on a card can be overlaid with multiple exposures. The number of pictures taken is one. The image is saved as a separate image.





- Is displayed on the monitor while multiple exposure is in effect.
- 3 Shoot.
 - 🔁 is displayed in green if shooting starts.
 - Press in to delete the last shot.
 - The previous shot is superimposed on the view as a guide to framing the next shot.

- The camera will not go to sleep while multiple exposure is in effect.
- · Photographs taken with other cameras cannot be included in a multiple exposure.
- When [Overlay] is set to [On], the images displayed when a RAW image is selected are developed with the settings at the time of shooting.
- To set the shooting functions, cancel multiple exposure shooting first. Some functions cannot be set.
- Performing any of the following operations after the first shot is taken ends multiple exposure photography:

turning the camera off, pressing the region or **MENU** button, choosing a different shooting mode, or connecting cables of any type. Multiple exposure is also canceled when the battery is exhausted.

- When a RAW image is selected using [Overlay], the JPEG image for the image recorded in RAW+JPEG is displayed.
- Multiple exposure cannot be used with some shooting functions such as bracketing.

∲⁻ Tips

- To overlay 3 or more frames: Select RAW for [◀:-] and use the [Overlay] option to make repeated multiple exposures.
- For more information on overlaying RAW images: IS "Image overlay" (P. 107)

4

Keystone correction and perspective control (Keystone Comp.)

Use keystone correction for shots taken from the bottom of a tall building, or deliberately exaggerate the effects of perspective. This setting is only available in P/A/S/M modes.

- Select [On] for [Keystone Comp.] in ^D₂ Shooting Menu 2.
- **2** Adjust the effect in the display and frame the shot.
 - Use the front dial and rear dial for keystone correction.
 - Use △∇ ⊲▷ to choose the area to be recorded. The area cannot be changed depending on the amount of correction.
 - Press and hold the
 in button to cancel any changes.
 - To adjust aperture, shutter speed, and other shooting options while keystone compensation is in effect, press the **INFO** button to view a display other than keystone compensation adjustment. To resume keystone compensation, press the **INFO** button until keystone compensation adjustment is displayed.
 - The following may occur as the correction amount increases.
 - The image will be coarse.
 - The magnification ratio for image cropping will be large.
 - The crop position will not be able to move.
- 3 Shoot.
 - To end keystone compensation, select [Off] for [Keystone Comp.] in 2 Shooting Menu 2.
- When [\U00c0 (Keystone Comp.)] (P. 68) is assigned to a button using Button Function, press and hold the selected button to end keystone correction.
- · Photos are recorded in RAW+JPEG format when [RAW] is selected for image quality.
- · The desired results may not be obtained with converter lenses.
- The following is not available while keystone compensation is in effect. Live bulb/live time/composite photography, sequential shooting, bracketing, HDR, multiple exposure, digital tele-converter, movie, [C-AF] and [C-AF+TR] autofocus modes, [e-Portrait] and ART picture modes, custom self-timer, High Res Shot
- If a focus distance is selected for [Image Stabilizer] or you are using a lens for which lens info has been provided, the correction will be adjusted accordingly. Except when using a Micro Four Thirds or Four Thirds lens, choose a focal length using the [Image Stabilizer] option (P. 53).



Setting anti-shock/silent shooting (Anti-Shock [+]/Silent [*])

By setting anti-shock/silent shooting you can select anti-shock or silent shooting when using sequential shooting/self-timer (P. 46).

- 1 Select [Anti-Shock [♦]/Silent [♥]] in ^D₂ Shooting Menu 2 and press the button.
- **2** Use $\Delta \nabla$ to select the item and press \triangleright .
 - Use $\Delta \nabla$ to select the setting and press the \odot button.

Anti-Shock [+]	Sets the time period between the shutter button being pressed all the way down and the shutter release when shooting in anti-shock mode. If the interval is set, the item marked with [♦] is displayed as an option for sequential shooting/self-timer mode. When not using anti-shock shooting, set to [Off]. Use this mode to suppress small vibrations caused by the operation of the shutter. Anti-shock mode is available in both sequential shooting and self-timer modes (P. 46).
Silent [♥]	Sets the time period between the shutter button being pressed all the way down and the shutter release when shooting in silent mode. If the inteval is set, the item marked with ♥ is displayed as an option for sequential shooting/self-timer mode. When not using silent shooting, set to [Off].
Noise Reduction [♥]	Set to [Auto] to reduce noise in long exposure shots when using silent shooting mode. During noise reduction processing, the sound of shutter operation can be heard.
Silent [♥] Mode Settings	Choose [Allow] or [Not Allow] for each of [•))], [AF Illuminator], and [Flash Mode].

4

Setting high resolution shooting (High Res Shot)

By specifying the setting for [High Res Shot], high resolution shooting can be activated by selecting im from options for sequential shooting/self-timer mode (P. 46).

- 1 Select [High Res Shot] in № Shooting Menu 2 and press the ⊛ button.
- **2** Use $\Delta \nabla$ to select the item and press \triangleright .
 - Use $\Delta \nabla$ to select the setting and press the \circledast button.

High Res Shot	Sets the time period between the shutter button being pressed all the way down and the shutter release when shooting in hi-res shot mode. If the inteval is set, is displayed as an option for sequential shooting/self-timer mode. When not using high resolution shooting, set to [Off].
Charge Time	Sets the charging time for flashes other than the dedicated flash.

- · Electronic shutter is used for high resolution shooting.
- 🕼 "Using a flash (Flash photography)" (P. 57)

Shooting with remote control wireless flash

Shooting with wireless flash is possible using the supplied flash unit with remote control wireless flash units. 🕼 "Wireless remote control flash photography" (P. 153)

Using the Video Menu

Movie recording functions are set in the Video Menu.

100%	Video Menu	
Ľ۵ı	🛱 Mode	Р
Юl2	P Specification Settings	
8	AF/IS Settings	
-	P Button/Dial/Lever	
	沿 Display Settings	
\$₽	Movie 🎐	
Ý	음 HDMI Output	
Вас	k Menu	Set OK

Option	Description	R
🛱 Mode	Choose a movie record mode.	102
∯ Specification Settings	 Sets the image quality for movie recording. [♀ ◄:-]: Set a combination of image quality size and bit rate. [♀ Noise Filter]: Select a noise reduction level for recording high-sensitivity movies. [♀ Picture Mode]: Record in a picture mode suitable for editing when set to [On]. 	102
∯ AF/IS Settings	 [AF Mode]: Choose the AF mode for movie recording. [AF Image Stabilizer]: Sets image stabilization for movie recording. 	43, 51, 53
₽ Button/Dial/ Lever	 Set the button, dial, and lever functions for movie mode. () Button Function]: Sets functions to buttons for movie mode. () Dial Function]: Sets the functions of the rear dial and front dial for movie mode. If [Exposure []] is assigned to the front or rear dial, exposure compensation is possible up to ±3 EV (steps of 1/2 and 1 EV are also supported). () Fn Lever Function]: Sets functions to be switched by the Fn lever in movie mode. The Fn lever switches to the function set with [] Dial Function] when set to [mode1]. If selecting [mode2] and pressing ▷, functions to be switched by the Fn lever can be selected from AF Mode, [] [] / / + / iii] (AF target setting), and ↔ (AF area). This setting has no effect when [mode3] is selected for [] Fn Lever Function] (P. 113) or when [Power 1] or [Power 2] is selected for [Fn Lever/Power Lever] (P. 113). () Shutter Function]: Sets the shutter button function for movie mode. When set to [], pressing the shutter button initiates autofocus. Still image photography is not available. When set to [] REC], movie recording can be started or stopped by pressing the shutter button all the way down. The [] Dial Function and the set of starting. () Elec. Zoom Speed]: Sets the zoom speed for the power zoom lens operation by the zoom ring. 	

Option	Description	R\$
₽ Display Settings	 [♀ Control Settings]: Sets whether to display Live Control (P. 126) and Live SCP (P. 50) in movie mode. For setting not to display, select the item and press the ⊛ button to clear the check mark. [♀ Info Settings]: Sets the information to be displayed on the movie recording screen. For setting not to display, select the item and press the ⊛ button to clear the check mark. [Time Code Settings]: Set the time codes to record for movie mode. Set [Time Code Mode] to [Drop Frame] to record time codes corrected for errors with respect to recording time, and to [Non-DF] (no drop frame) to record uncorrected time codes. Set [Count Up] to [Rec Run] to run time codes during recording is stopped, including when the camera is turned off. In [Starting Time], set a starting time for the time code. Set [Current Time] to set the time code for the current frame to 00. To set to 00:00:00:00, select [Reset]. You can also set time codes using [Manual Input]. Time codes cannot be recorded in Motion JPEG (Impl.). 	_
Movie 🖉	Audio will not be recorded in a movie when set to [Off].	103
쯡 HDMI Output	Sets the output setting for recording movies with this camera connected with an external device via HDMI. [Output Mode]: Sets the video output mode. When set to [Monitor Mode], image and camera information are output. The camera information is not displayed on the camera screen. When set to [Record Mode], only image is output. The camera information is displayed on the camera screen. [REC Bit]: If set to [On], the REC trigger is sent from the camera to the connected external device. [Time Code]: If set to [On], the time code is sent from the camera to the connected external device. The recording by the external device that uses the time code as the REC trigger may be stopped in the following cases. • When recording an ART movie, etc., under heavy processing load • When switching the display between the monitor and viewfinder	_

Adding effects to a movie

You can create movies that take advantage of the effects available in still photography mode.

- 1 Select [♀ Mode] in ♀ Video Menu and press the ⊛ button.
- **2** Use $\Delta \nabla$ to select an option and press the button.

Р	Optimal aperture is set automatically according to the brightness of the subject. Use the front dial (③) or rear dial (④) to adjust exposure compensation.
A	Depiction of background is changed by setting the aperture. Use the front dial (\textcircled{O}) to adjust exposure compensation and rear dial (\textcircled{O}) to adjust aperture.
S	Shutter speed affects how the subject appears. Use the front dial () to adjust exposure compensation and rear dial () to adjust shutter speed. Shutter speed can be set to values between 1/24 s and 1/8000 s.
м	Aperture and shutter speed can be manually set. Use the front dial (((a)) to select aperture value and the rear dial (((a)) to select shutter speed. Shutter speed can be set to values between 1/3s and 1/8000s. ISO sensitivity can only be set manually to values between 200 and 6400.

- Blurred frames caused by such factors as the subject moving while the shutter is open can be reduced by selecting the fastest available shutter speed.
- The low end of the shutter speed changes according to the frame rate of the movie record mode.
- · Excessive camera shake may not be compensated enough.
- When the inside of the camera becomes hot, shooting is automatically stopped to protect the camera.
- · With some art filters, [C-AF] function is limited.

Setting the record mode (♀◀↔)

You can set combinations of movie image size and bit rate. The settings can be selected from options of movie record mode (P. 56).

- 1 Select [Specification Settings] in Video Menu and press the button.
- 2 Select [♀ ◀:-] and press ▷.
- **3** Use $\Delta \nabla$ to select the item and press \triangleright .
 - Use $\Delta \nabla$ to select the setting and press the \odot button.

Image size	Sets the image size to [C4K] (Custom only), [4K], [FHD] (Full HD), or [HD].
Bit rate	 Sets the bit rate to [A-I] (All-Intra), [SF] (Super Fine), [F] (Fine), or [N] (Normal). [A-I] (All-Intra) is not available for use with Clips. When [4K] or [C4K] is set for the image size, you cannot select the bit rate.

Frame rate	 Sets the frame rate to [60p], [50p], [30p], [25p], or [24p]. [60p] and [50p] are not available in the following situations. When [FHD] (Full HD) is set for the image size and [A-I] (All Intra) is set for the bit rate. When [C4K] or [4K] is set for the image size. If the image size is set to [C4K], the frame rate is locked to 24p.
Shooting time	 Sets the shooting time to [8 sec], [4 sec], [2 sec], [1 sec], or [Off] (Custom only). The shooting time can only be set for Clips and Custom settings. When [C4K] is set for the image size, the shooting time is locked to [Off].
Slow or Fast Motion	Sets slow or fast motion.Available settings differ depending on the set frame rate.Slow and fast motions cannot be used in some image quality modes.

Setting the sound recording for movie (Movie \underline{Q})

Configure the sound recording settings for movie recording.

- 1 Select [Movie ♀] in ♀ Video Menu and press the ⊛ button.
- 2 Select [On] and press ▷.
- **3** Use $\Delta \nabla$ to select the item and press \triangleright .
 - Use $\Delta \nabla$ to select the setting and press the \circledast button.

Recording Volume	Adjust microphone sensitivity for the built-in microphone and for optional external microphones. Adjust the sensitivity using $\Delta \nabla$ while checking the peak sound level picked up by the microphone over the previous few seconds.
∯ Volume Limiter	If set to [On], the volume is automatically regulated when the volume picked up by the microphone is louder than normal.
Wind Noise Reduction	Reduce wind noise during recording.
∯ Plug-in Power	Set to [On] for distributing power to the microphone, and [Off] for using a professional microphone, etc, which does not require power distribution from the camera.
PCM Recorder 🖉 Link	Set to [On] for using an IC recorder connected to the microphone jack as a microphone. IS "Recording movie audio with an IC recorder" (P. 104)
Headphone Volume	Set the volume for the connected headphone.

- Operation sounds of the lens and camera may be recorded in a movie. To prevent it from recording, reduce the operation sounds by setting [AF Mode] to [S-AF] or [MF], or by minimizing the button operations of the camera.
- Sound cannot be recorded in ^{ART} (Diorama) mode.
- When [Movie ♀] is set to [Off], ₪ is displayed.

Recording movie audio with an IC recorder

You can use an IC recorder to record audio in a movie.

Connect an IC recorder to the microphone jack of the camera for recording sound. Use a non-resistant cable for the connection.

- **1** Select [Movie \underline{Q}] in $\underline{\Omega}$ Video Menu and press the $\underline{\otimes}$ button.
- 2 Select [On] and press ▷.
- **3** Use $\Delta \nabla$ to select [PCM Recorder \mathcal{Q} Link] and press \triangleright .
- **4** Use $\Delta \nabla$ to select the item and press \triangleright .
 - Use $\Delta \nabla$ to select the setting and press the \odot button.

Camera Rec. Volume	If set to [Inoperative], the sound recording settings in the camera are disabled and the settings in the IC recorder are applied.
Slate Tone	If set to [On], the slate tone is played.
Synchronized Rec.	If set to [On], the IC recorder automatically starts/ends sound recording at the same time when the movie recording starts/ends in the camera.

Recording movie audio with the Olympus LS-100 IC recorder

When using the Olympus LS-100 IC recorder to record sound in a movie, you can add a slate tone, start and stop recording with camera controls.

In [Movie \mathcal{Q}] > [PCM Recorder \mathcal{Q} Link], set [Slate Tone] and [Synchronized O Rec.] to [On].

Make sure that the LS-100 firmware is the latest version before recording.

- 1 Connect the LS-100 to the USB connector and microphone.
 - When the LS-100 is connected to the USB connector, a message will be displayed prompting you to choose a connection type. Select [PCM Recorder]. If the message does not appear, select [Auto] for [USB Mode] (P. 117) in the custom menus.
- **2** Start recording a movie.
 - Audio recording on the LS-100 starts simultaneously.
 - If you press and hold the \circledast button, you can record a slate tone.
- 3 End movie recording.
 - Audio recording on the LS-100 ends simultaneously.
- · Refer to the documentation provided with the LS-100 as well.

Using the Playback Menu

Playback Menu

(P. 80)
 (P. 105)
 Edit (P. 105)
 Print Order (P. 144)
 Reset Protect (P. 108)
 Copy All (P. 108)
 Connection to Smartphone (P. 135)



Displaying images rotated (伯)

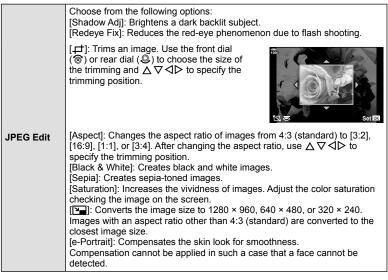
If set to [On], images in portrait orientation are automatically rotated to be displayed in the correct orientation on the playback display.

Editing still images

Recorded images can be edited and saved as separate images.

- The images to be edited can be chosen from those on the card currently selected for playback. I Setting the card to record to" (P. 132)
- 1 Select [Edit] in the ► Playback Menu and press the ∞ button.
- **2** Use $\Delta \nabla$ to select [Sel. Image] and press the \odot button.
- **3** Use $\triangleleft \triangleright$ to select the image to be edited and press the \odot button.
 - [RAW Data Edit] is displayed if a RAW image is selected, and [JPEG Edit] if a JPEG image is selected. For images recorded in RAW+JPEG format, both [RAW Data Edit] and [JPEG Edit] are displayed. Select the desired option from them.
- 4 Select [RAW Data Edit] or [JPEG Edit] and press the ⊛ button.

	Creates a JPEG copy of a RAW image according to the selected settings.		
RAW Data Edit	Current	The JPEG copy is processed using the current camera settings. Adjust the camera settings before choosing this option. Some settings such as exposure compensation are not applied.	
	Custom1	Edit by changing the settings on the screen. The used	
	Custom2	settings can be saved.	
	ART BKT	The image is edited using settings for the selected art filter.	



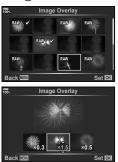
- **5** When the settings are complete, press the is button.
 - The settings are applied to the image.
- 6 Select [Yes] and press the 🛞 button.
 - The edited image is stored in the card.
- Red-eye correction may not work depending on the image.
- Editing of a JPEG image is not possible in the following cases: When an image is processed on a PC, when there is not enough space in the card memory, or when an image is recorded on another camera.
- The image cannot be resized (>) to the larger size than the original size.
- When [ART] is selected for picture mode, [Color Space] (P. 65) will be locked at [sRGB].

Image overlay

Up to 3 frames of RAW images taken with the camera can be overlaid and saved as a separate image.

The image is saved with the record mode set at the time the image is saved. (If [RAW] is selected, the copy will be saved in [**II**N+RAW] format.)

- 1 Select [Edit] in the ► Playback Menu and press the ⊛ button.
- **2** Use $\Delta \nabla$ to select [Image Overlay] and press the \odot button.
- 3 Select the number of images to be overlaid and press the 🛞 button.
- 4 Use △∇⊲▷ to select the RAW images to be overlaid.
 - The overlaid image will be displayed if images of the number specified in step 3 are selected.
- **5** Adjust the gain for each image to be overlaid.
 - Use $\triangleleft \triangleright$ to select an image and $\triangle \bigtriangledown$ to adjust gain.
 - Gain can be adjusted in the range 0.1–2.0. Check the results in the monitor.
- 6 Press the ⊛ button to display the confirmation dialog. Select [Yes] and press the ⊛ button.



🖉 Tips

• To overlay 4 or more frames, save the overlay image as a RAW file and use [Image Overlay] repeatedly.

Audio recording

Audio can be added to still images (up to 30 sec. long). This is the same function as $[\mathbf{\Phi}]$ during playback (P. 83).

Saving a still image from a movie (In-Movie Image Capture)

You can select a frame from a movie to save as a still image.

- 1 Select [Edit] in the ► Playback Menu and press the ⊛ button.
- **2** Use $\Delta \nabla$ to select [Sel. Image] and press the \odot button.
- **3** Use $\triangleleft \triangleright$ to select a movie and press the \odot button.
- **4** Select [Movie Edit] and press the [∞] button.
- **5** Use $\Delta \nabla$ to select [In-Movie Image Capture] and press the R button.
- 6 Use ⊲⊳ to select a frame to be saved as a still image and press the ⊛ button.
- Movies recorded by this camera with the aspect ratio set to [16:9] and image quality mode set to 4K size in MOV can be edited.

Trimming movies (Movie Trimming)

- 1 Select [Edit] in the ► Playback Menu and press the ⊛ button.
- **2** Use $\Delta \nabla$ to select [Sel. Image] and press the \odot button.
- **3** Use $\triangleleft \triangleright$ to select a movie and press the \odot button.
- **4** Select [Movie Edit] and press the ⊛ button.
- **5** Use $\Delta \nabla$ to select [Movie Trimming] and press the button.
- 6 Select [Overwrite] or [New File] and press the ow button.
 - If the image is protected, you cannot select [Overwrite].
- 7 Specify an area to trim.
 - The range between the first or last frame and the selected frame are deleted.
- 8 Select [Yes] and press the is button.
- · Editing is available with movies recorded using this camera.

Canceling all protections

Protections of multiple images can be canceled at a time.

- Select [Reset Protect] in the ► Playback Menu and press the ⊛ button.
- 2 Select [Yes] and press the is button.
 - All the protections of images saved in the card being played back will be canceled.

Copy All

All images can be copied between the cards inserted in the camera (card slot 1 and 2).

- 1 Select [Copy All] in the ► Playback Menu and press the ⊛ button.
- 2 Select an option and press the 🛞 button.

1=>2	All images are copied from the card in card slot 1 to the card in card slot 2.
2=>1	All images are copied from the card in card slot 2 to the card in card slot 1.

- 3 Select [Yes] and press the ⊛ button.
- · Copying ends when the destination card is full.

Using the setup menu

Use the ${\bf \hat r}$ Setup Menu to set the basic camera functions.

47774 100%	Setup M	enu
Û1	Card Setup	
Ô١2	0	,,;;
	9 4	English
		∦ ±0 ☆±0
	Rec View	0.5 sec
	Wi-Fi Settings	
Ý	Firmware	
Ba	CK MENU	Set OK

Option	Description	R	
Card Setup	Format the card and delete all images.		
① (Date/time setting)	Set the camera clock.		
Changing the display language	You can change the language used for the on-screen display and error messages.	—	
(Monitor brightness adjustment)	You can adjust the brightness and color temperature of the monitor. Color temperature adjustment is only applied to the monitor display during playback. Use $\triangleleft b$ to highlight \S : (color temperature) or \Leftrightarrow : (brightness) and $\triangle \nabla$ to adjust the value.	_	
	Press the INFO button to switch the saturation of the monitor between [Natural] and [Vivid] settings.		
Rec View	Sets whether to display the captured image on the monitor after shooting, and the length of time for the display. This is useful for a brief check of the picture you have taken. You can shoot the next shot by pressing the shutter button halfway even while the captured image is displayed on the monitor. [0.3sec]–[20sec]: Sets the length of time (seconds) to display the captured image on the monitor. [Off]: The captured image is not displayed on the monitor. [AUTO b]: Displays the captured image, and then switches to playback mode. This is useful for erasing a picture after checking it.		
Wi-Fi Settings	Sets the wireless connection method for the camera to connect with smartphones that support wireless LAN connections.		
Firmware	Displays the firmware versions of the camera and connected accessories. Check the versions when you inquire about the camera or accessories or when you download the software.		

110 EN

Formatting the card (Card Setup)

Cards must be formatted with this camera before first use or after being used with other cameras or computers.

All data stored on the card, including protected images, is erased when the card is formatted.

When formatting a used card, confirm there are no images that you still want to keep on the card. IS "Usable cards" (P. 147)

- 1 Select [Card Setup] in the γ Setup Menu and press the ⊛ button.
 - When there are cards in both slots 1 and 2, card slot selection appears. Select a card slot and press the button.
- 2 Select [Yes] and press the 🛞 button.
 - · Formatting is performed.

Deleting all images (Card Setup)

All images on a card can be deleted at a time. Protected images are not deleted.

- - When there are cards in both slots 1 and 2, card slot selection appears. Select a card slot and press the button.
- 2 Select [All Erase] and press the 🐵 button.
- **3** Select [Yes] and press the is button.
 - · All images are deleted.



100%	Card Setup	
	All Erase	
	Format	
Ba	ack 🔤	Set OK

Using the custom menus

Camera settings can be customized using the 🌣 Custom Menu.

Custom Menu

A1/A2/A3	AF/MF (P. 111)
В	Button/Dial/Lever (P. 113)
C1 / C2	Release/Qu/Image Stabilizer (P. 114)
D1/D2/D3/D4	Disp/■))/PC (P. 115)
E1/E2/E3	Exp/ISO/BULB/ 🛃 (P. 117)
F	\$ Custom (P. 118)
G	€: -/WB/Color (P. 119)
H1/H2	Record/Erase (P. 120)
0	EVF (P. 121)
J1/J2	🗅 Utility (P. 122)



A1 AF/MF

MENU 🔿 🌣 🔶 🚮

Option	Description	R?
AF Mode	Choose the AF mode for still image shooting.	
AEL/AFL	Customize AF and AE lock.	123
AF Scanner	Sets the AF scan function* for when the camera cannot focus on the subject or the contrast is not clear. * Scans whole range from minimum range to infinity for focus point when the camera cannot focus on the subject or the contrast is not clear. [mode1]: AF Scanner is not activated. [mode2]: AF Scanner is activated once only. [mode3]: AF Scanner is activated.	_
C-AF Lock	Sets the tracking sensitivity for C-AF.	_
AF Limiter	Limits the AF area when turned [On]. [Distance settings]: You can register the AF Limiter area. You can register up to 3 distance areas. Numerical value and unit (m, ft) can be set. The distance is approximate and not exact. [Pri. RIs]: If [On] is selected, the shutter can be released while AF Limiter is operating even when the camera is not in focus. • AF Limiter is not available in the following cases. - When the focus limiter is enabled on the lens. - When using focus bracketing - While in the movie mode or recording a movie	
[∭]/∙/∻/Ⅲ] Settings	Sets functions that appear in AF Target settings. To hide an item, select the item and press the estimation to clear the check mark.	39
AF Area Pointer	[On1]: Displays the AF target frame in green. [On2]: Displays the AF target frame in green while the shutter button is pressed halfway. If you select [Off], the AF target frame will not be displayed during confirmation.	_

4

A2 AF/MF

Option	Description	툆
AF Targeting Pad	 If [On] is selected, the AF target can be positioned by tapping the monitor during viewfinder photography. Tap the monitor and slide your finger to position the AF target. When set to [On], drag operation can be disabled or enabled by double-tapping the monitor. [AF Targeting Pad] can also be used with zoom frame AF (P. 41). 	
[····] Set Home	Set the AF target mode, AF target position, and AF mode that are used as the home position. Press reduct to select the desired options in the [[.:] Set Home] display. HP appears in the AF target selection display while you choose a home position.	Ι
[····] Custom Settings	 You can change the dial and △∇ ⊲▷ button functions for the AF Area screen. To use the settings stored in [Set 2], highlight [Set 2] in the [[···] Custom Settings] menu and press is button. You can switch to [Set 2] by pressing the INFO button in the AF-target selection display. 	_
AF Illuminator	Select [Off] to disable the AF illuminator.	_
Sece Priority	You can select the face priority or eye priority AF mode.	40
AF Focus Adj.	Focal location adjustment for phase-difference AF can be fine tuned within a range of ± 20 steps.	_

A3 AF/MF

MENU 🔿 🌣 🌧 🖪

Option	Description	ß
Preset MF distance	Sets the Preset MF focus position. Numerical value and unit (m, ft) can be set. The distance is approximate and not exact.	—
MF Assist	When set to [On], you can automatically switch to zoom or peaking in manual focus mode by rotating the focus ring.	124
MF Clutch	Selecting [Inoperative] prevents the lens MF clutch and snapshot focus being used for manual focus. To focus manually, slide the focus ring forward.	—
Focus Ring	You can customize how the lens adjusts to the focal point by selecting the rotational direction of the focus ring.	_
Bulb/Time Focusing	You can change the focus position during exposure by using manual focus (MF). When set to [Off], rotation of the focus ring is disabled.	_
Reset Lens	When set to [Off], the focus position of the lens is not reset even when the power is turned off. When set to [On], the focus of power zoom lenses is also reset.	

B Button/Dial/Lever

Option	Description	R ^a
Button Function	Choose the function assigned to the selected button.	66
∰irŵ Lock	If [On] is selected, $\Delta \nabla \triangleleft \triangleright$ and \textcircled{M} button operations for PBH (Power Battery Holder) are disabled.	—
Dial Function	You can change the function of the front dial and rear dial.	—
Dial Direction	Choose the direction in which the dial is rotated to adjust shutter speed or aperture. Change the program shift direction in which the dial is rotated.	_
✿ Fn Lever Settings	[☐ Fn Lever Function]: You can switch the dial and button function depending on the position of the Fn lever. [Switch ④ Function]: When turned [On], you can switch the ④ button function depending on the position of the Fn lever. When [On] is selected and the Fn lever is set to position 2, the AF [] button activates the flash and the □) HDR button switches the setting to bracketing setting.	124
Fn Lever/Power Lever	[Fn]: Follows settings for the Fn lever function. [Power 1]: The power turns on when the Fn lever is in position 1, and off when in position 2. [Power 2]: The power turns on when the Fn lever is in position 2, and off when in position 1. When [Power 1] or [Power 2] is set, the ON/OFF lever (power lever), [Fn Lever Settings] and [Fn Lever Function] are disabled.	_
Elec. Zoom Speed	You can change the zoom speed used when operating the power zoom lens with the zoom ring during still image shooting.	_

CI Release/□/Image Stabilizer

Option	Description	
RIs Priority S	If [On] is selected, the shutter can be released even when	
RIs Priority C	the camera is not in focus. This option can be set separately for S-AF and C-AF modes (P. 43, 51).	_
L Settings	You can select from [□], [♦□], [♥□], and [कि] for the	
☐ H Settings	sequential shooting speed and shot limit. You can set the pre-shutter frames for [EG]. Figures for sequential shooting speed are the approximate maximums.	48

Release/ //Image Stabilizer

MENU 🔿 🌣 🔿 🗹

Option	Description	R3
Limage Stabilizer	Sets image stabilization for still image shooting.	53
Image Stabilization	Sets the priority function during sequential shooting. [Fps Priority]: Shooting speed gets priority over image stabilization. The sensor will not be reset to the center during sequential shooting. [IS Priority]: Image stabilization gets priority over shooting speed. The sensor will be reset to the center per frame of sequential shooting. The shooting speed will drop slightly.	_
Half Way RIs With IS	When set to [Off], the IS (Image Stabilization) function while the shutter button is pressed halfway will not be activated.	_
Lens I.S. Priority	 If [On] is selected, priority is given to the lens function operation when using a lens with an image stabilization function. This option has no effect on lenses that are equipped with an image stabilization switch. 	_

Option	Description			ß	
Control	Choose the controls displayed in each shooting mode.				
Settings		S	hooting mod	de	
	Controls	TAUTO	P/A/S/M	ART	
	Live Control (P. 126)	✓	✓	✓	125
	Live SCP (P. 50)	√	✓	✓	
	Live Guide (P. 31)	✓	-	-	
	Art Menu (P. 33)	-	-	✓	
	Press the INFO button to	o switch the	screen con	tents.	
/Info Settings	 Choose the information displayed when the INFO button is pressed. [▶] Info]: Choose the information displayed in full frame playback. [▶Q. Info]: Choose the information displayed in magnified playback. [LV-Info]: Choose the information displayed when the camera is in shooting mode. [▶S Settings]: Choose the information displayed in index, "My Clips", and calendar playback. 			127, 128	
Picture Mode Settings	Select a function to display in the picture mode type selection screen (P. 61). To hide an item, select the item and press the 🛞 button to clear the check mark.			_	
⊐_j/⊗ Settings	Select a function to display in the sequential shooting/self- timer function selection screen (P. 46). To hide an item, select the item and press the is button to clear the check mark.			_	
Multi Function Settings	Select a multi function (F option, select the item ar check mark.				_

D2 Disp/=))/PC

MENU 🔿 🌣 🔶 🖸

Option	Description	₿¥
Live View Boost	Shoot while checking the subject even under low-light conditions. In M mode, you can use this setting when shooting with BULB/TIME shooting and live composite. [On1]: Prioritize smoothness of display. [On2]: Prioritize image visibility in dark conditions.	_
Art LV Mode	[mode1]: The filter effect is always displayed. [mode2]: Priority is given to smooth display while the shutter button is pressed halfway. The quality of art filter effect previews may be affected.	_
Frame Rate	If set to [High], a moving subject can be tracked more smoothly. However, the number of frames to be shot will decrease slightly. This setting is automatically set to [Standard] if the camera becomes hot.	_

Option	Description	R ^a
LV Close Up Settings	[LV Close Up Mode]: When set to [mode1], pressing the button halfway in the magnified live view returns to the magnified frame display. When set to [mode2], pressing the button halfway in the magnified live view switches to the Zoom AF display. [Live View Boost]: When set to [On], the magnified area is adjusted for proper exposure. This is useful to check the focus when shooting in dark locations. When set to [Off], the magnified area is displayed with the brightness of live view before magnification. This is useful to check the focus when shooting in backlit locations.	_
Settings	[^(C) Lock]: Select [On] to maintain the aperture at the selected value even when releasing the button. [Live View Boost]: Select [On] to shoot while checking the subject even under low-light conditions.	_
Flicker reduction	Reduce the effects of flicker under some kinds of lighting, including fluorescent lamps. When flicker is not reduced by the [Auto] setting, set to [50Hz] or [60Hz] in accordance with the commercial power frequency of the region where the camera is used.	_

D3 Disp/■))/PC

MENU 🔿 🌣 🄿 D

Option	Description	RF
Grid Settings	Sets the guide line display that appears when shooting. [Display Color]: Sets the guide line color and opacity. Can be set to [Preset 1] and [Preset 2]. [Displayed Grid]: Select [[]], []], []], [[]], [[]], or []] to display a grid on the monitor. [Apply Settings to EVF]: If [On] is selected, the guides shown in the monitor will also be displayed in the viewfinder when [Style 1] or [Style 2] is selected for [EVF Style]. The setting selected in [EVF Grid Settings] will be invalid.	_
Peaking Settings	You can change the edge enhancement color and intensity. The edge enhancement color (red, yellow, white, black) and intensity (Standard, Low, High), and the brightness of the peaking background (On, Off) can be set. • If [Image Brightness Adj.] is set to [On], the brightness of live view is adjusted to enhance the enhancement color.	124
Histogram Settings	[Highlight]: Choose the lower bound for the highlight display. [Shadow]: Choose the upper bound for the shadow display.	127
Mode Guide	Select [On] to display a help for the selected mode when the mode dial is rotated to a new setting.	24
Selfie Assist	Selecting [On] optimizes the display for self-portraits when the monitor is in the self-portrait position.	129

D4 Disp/■))/PC

Option	Description	ß
■))) (Beep sound)	When set to [Off], you can turn off the beep sound that is emitted when the focus locks by pressing the shutter button.	
HDMI	[Output Size]: Selecting the digital video signal format for connecting to a TV via an HDMI cable. [HDMI Control]: Select [On] to allow the camera to be operated using remotes for TVs that support HDMI control. This option takes effect when pictures are displayed on a TV. [Output Frame Rate]: Select the output frame rate from [50p Priority] or [60p Priority] for using the camera connected to a TV with an HDMI cable.	130
USB Mode	Choose a mode for connecting the camera to a computer or printer. Choose [Auto] to display USB mode options every time the camera is connected. When you select $[\Box_{J} r^{\Delta}]$, you can use dedicated software to control the camera from a computer and transfer images from the camera to a computer. Access the following URL to download and install the dedicated software. To use $[\Box_{J} r^{\Delta}]$, you must first set the mode dial to P , A , S , or M mode. http://support.olympus-imaging.com/oc1download/index/	_

EI Exp/ISO/BULB/

MENU 🔿 🌣 🔿 🗊

Option	Description	R ²
Exposure Shift	 Adjust correct exposure separately for each metering mode. This reduces the number of exposure compensation options available in the selected direction. The effects are not visible in the monitor. To make normal adjustments to the exposure, perform exposure compensation (P. 39). 	_
EV Step	Choose the size of the increments used when selecting shutter speed, aperture, exposure compensation, and other exposure parameters.	_
ISO Step	Select the increments available for choosing ISO sensitivity.	—
ISO-Auto Set	[Upper Limit / Default]: Choose the upper limit and default value used for ISO sensitivity when [Auto] is selected for ISO. [High Limit]: Choose the upper limit for auto ISO sensitivity selection. [Default]: Choose the default value for auto ISO sensitivity selection. The maximum is 6400. [Lowest S/S Setting]: Automatically sets the shutter speed when the ISO sensitivity is raised in P and A modes. If set to [Auto], the camera automatically sets the shutter speed.	_
ISO-Auto	Choose the shooting modes in which [Auto] ISO sensitivity is available. [$P/A/S$]: Auto ISO sensitivity selection is available in all modes except M . [All]: Auto ISO sensitivity selection is available in all modes.	

Y Menu functions (Custom menus)

EI Exp/ISO/BULB/

Option	Description	₿
Noise Filter	Choose the amount of noise reduction performed at high ISO sensitivities.	—
Noise Reduct.	 This function reduces the noise that is generated during long exposures. [Auto]: Noise reduction is performed at slow shutter speeds, or when the internal temperature of the camera has risen. [On]: Noise reduction is performed with every shot. [Off]: Noise reduction off. The time required for noise reduction is shown in the display. [Off] is selected automatically during sequential shooting. This function may not work effectively with some shooting conditions or subjects. 	29

Exp/ISO/BULB/

MENU 🔿 🌣 🔿 🗹

Option	Description	ß
Bulb/Time Timer	Choose the maximum exposure for bulb and time photography.	—
Bulb/Time Monitor	Set the monitor brightness when [BULB], [TIME], or [Live Composite] is used.	_
Live Bulb	Choose the display interval during shooting. The number	—
Live Time	of update times is limited. The frequency drops at high ISO sensitivities. Choose [Off] to disable the display. Tap the monitor or press the shutter button halfway to refresh the display.	_
Composite Settings	Set an exposure time to be the reference in composite photography.	30

E Exp/ISO/BULB/

MENU 🔿 🌣 🔿 🖪

Option	Description	R§
Metering	Choose a metering mode according to the scene.	45, 51
AEL Metering	Choose the metering method used for AE lock (P. 45). [Auto]: Use the currently selected metering method.	—
[·⋮·] Spot Metering	Choose whether the [Spot], [Spot Hilight], and [Spot Shadow] spot metering options meter the selected AF target.	_

E & Custom

MENU 🔿 🌣 🄿 🖬

Option	Description	R ²
\$ X-Sync.	Choose the shutter speed used when the flash fires.	131
\$ Slow Limit	Choose the slowest shutter speed available when a flash is used.	131

E & Custom

Option	Description	R\$
₩ ₩	When set to [On], the exposure compensation value is added to the flash compensation value.	39, 60
\$ +WB	Adjust white balance for use with a flash.	—

G **€∷**-/WB/Color

MENU 🔿 🌣 🔿 🖸

Option	Description	ß
∢ ⊷ Set	 You can select the JPEG image quality mode from combinations of three image sizes and four compression rates. 1) Use ↓ to select a combination ([<€:-1] - [<€:-4]) and use <p>↓ ∀ to change. </p> 2) Press the w button. 	55, 88, 131
Pixel Count	 Choose the pixel count for [M]- and [S]-size images. 1) Select [Middle] or [Small] and press ▷. 2) Choose a pixel count and press the ∞ button. 	55, 88, 131
Shading Comp.	 Choose [On] to correct peripheral illumination according to the type of lens. Compensation is not available for teleconverters or extension tubes. Noise may be visible at the edges of photographs taken at high ISO sensitivities. 	_
WB	Set the white balance. You can also fine-tune the white balance for each mode.	42, 52
AII WHE	[All Set]: Use the same white balance compensation in all modes except [CWB]. [All Reset]: Set white balance compensation for all modes except [CWB] to 0.	_
AUTO Keep Warm Color	Select [On] to preserve "warm" colors in pictures taken under incandescent lighting.	—
Color Space	You can select a format to ensure that colors are correctly reproduced when shot images are regenerated on a monitor or using a printer.	65

HI Record/Erase

Option	Description	R
Card Slot Settings	Sets the card for recording still images or movies.	132
File Name	[Auto]: Even when a new card is inserted, the file numbers are retained from the previous card. File numbering continues from the last number used or from the highest number available on the card. [Reset]: When you insert a new card, the folder numbers starts at 100 and the file name starts at 0001. If a card containing images is inserted, the file numbers start at the number following the highest file number on the card. When recording data to two cards at the same time, files are numbered under the same rule as for the single card according to the file number and folder number of both cards.	_
Edit Filename	Choose how image files are named by editing the portion of the filename highlighted below in gray. sRGB: Pmdd0000.jpg — Pmdd Adobe RGB: _mdd0000.jpg — mdd	_
dpi Settings	Choose the print resolution.	_
Copyright Settings*	 Add the names of the photographer and copyright holder to new photographs. Names can be up to 63 characters long. [Copyright Info.]: Select [On] to include the names of the photographer and copyright holder in the Exif data for new photographs. [Artist Name]: Enter the name of the photographer. [Copyright Name]: Enter the name of the copyright holder. 1) Select characters from 1 and press the button. The selected characters appear in 2. 2) Repeat Step 1 to complete the name, then highlight [END] and press the button. To delete a character, press the INFO button to place the cursor in the name area 2, highlight the character, and press 1. 2 (ABCD) (AB	_
Lens Info Settings	Save lens info for up to 10 lenses that do not automatically supply info to the camera.	132

12 Record/Erase

Option	Description	R\$
Quick Erase	If [On] is selected, pressing the \mathbf{II} button in the playback display will immediately delete the current image.	_
RAW+JPEG Erase	Choose the action performed when a photograph recorded at a setting of RAW+JPEG is erased in single-frame playback . [JPEG]: Only the JPEG copy is erased. [RAW]: Only the RAW copy is erased. [RAW+JPEG]: Both copies are erased. • Both the RAW and JPEG copies are deleted when selected images are deleted or when [All Erase] (P. 110) is selected.	55, 82, 88
Priority Set	Choose the default selection ([Yes] or [No]) for confirmation dialogs.	_

EVF

MENU 🔿 🌣 🔿 🔳

Option	Description	Ŕ
EVF Auto Switch	If [Off] is selected, the viewfinder will not turn on when you put your eye to the viewfinder. Use the O button to choose the display.	_
EVF Adjust	Adjust viewfinder brightness and hue. Brightness is automatically adjusted when [EVF Auto Luminance] is set to [On]. The contrast of the information display is also adjusted automatically.	
EVF Style	Choose the viewfinder display style.	133
Info Settings	Like the monitor, the viewfinder can be used to display histograms, highlights and shadows, and level gauge. The level gauge is available when [Style 1] or [Style 2] is set in [EVF Style].	_
EVF Grid Settings	Choose the type and color of framing grid displayed in the viewfinder when [Off] is selected for [Apply Settings to EVF] and [Style 1] or [Style 2] is selected for [EVF Style]. Choose the framing grid from [\blacksquare], [\blacksquare].	_
Half Way Level	If set to [Off], the level gauge will not be displayed when the shutter button is pressed halfway down. The level gauge is available when [Style 1] or [Style 2] is set in [EVF Style].	_
S-OVF	 Select [On] for a viewfinder display similar to an optical viewfinder. Selecting [S-OVF] makes the details in shadows easier to see. • m is displayed in the viewfinder when [S-OVF] starts. The display is not adjusted for settings such as white balance, exposure compensation, and picture mode.	_

MENU 🔿 🌣 🔿 🔟

🔟 🗖 Utility

Option	Description	R\$
Pixel Mapping	The pixel mapping feature allows the camera to check and adjust the image pickup device and image processing functions.	159
Press-and-hold Time	Set the press-and-hold time until the function assigned to the button operates, from [0.5 sec] to [3.0 sec].	
Level Adjust	You can calibrate the angle of the level gauge. [Reset]: Resets adjusted values to the default settings. [Adjust]: Sets the current camera orientation as the 0 position.	_
Touchscreen Settings	Activate the touch screen. Choose [Off] to disable the touch screen.	_
Menu Recall	Set [Recall] to display the cursor at the last position of operation when you display a menu. The cursor position will be retained even when you turn off the camera.	_

🖸 🗖 Utility

MENU 🔿 🌣 🔿 🖸

Option	Description	툆
Battery Settings	[Battery Priority]: Sets the preferred battery to use. When [Body Battery] is selected, the battery in the body takes priority. When [PBH Battery] is selected, the battery in the PBH (Power Battery Holder) takes priority. [Battery Status]: Displays the status of the equipped battery.	
Backlit LCD	If no operations are performed for the selected period, the backlight will dim to save battery power. The backlight will not dim if [Hold] is selected.	
Sleep	The camera will enter sleep (energy saving) mode if no operations are performed for the selected period. The camera can be reactivated by pressing the shutter button halfway.	_
Auto Power Off	When in sleep mode, the camera will automatically turn off after the set time has elapsed.	—
Quick Sleep Mode	When set to [On], the camera will go into energy-saving mode during shooting without using live view, allowing the camera to take pictures while using less power. The backlight time and sleep time can be set. Press the shutter button to return from energy-saving mode. The camera will not go into energy-saving mode while the live view is displayed or the viewfinder is in use. The ECO icon is displayed on the super control panel when set to [On].	_
Eye-Fi*	Enable or disable upload when using an Eye-Fi card. The setting can be changed when an Eye-Fi card is inserted.	_
Certification	Display certification icons.	—

* Use the Eye-Fi card in compliance with the laws and regulations of the country where the camera is used. Onboard airplanes and in other locations in which the use of wireless devices is prohibited, remove the Eye-Fi card from the camera, or select [Off] for [Eye-Fi]. The camera does not support the "endless" Eye-Fi mode.

AEL/AFL

MENU → ☆ → 🖾 → [AEL/AFL]

Autofocus and metering can be performed by pressing the button to which AEL/AFL has been assigned. Choose a mode for each focus mode.



Assignments of AEL/AFL function

Mode		Shutter button function				AEL/AFL Button function	
		Half-press		Full press		When holding down AEL/AFL	
		Focus	Exposure	Focus	Exposure	Focus	Exposure
	mode1	S-AF	Locked	-	-	-	Locked
S-AF	mode2	S-AF	-	-	Locked	-	Locked
	mode3	-	Locked	-	-	S-AF	-
	mode1	C-AF start	Locked	Locked	-	-	Locked
C-AF	mode2	C-AF start	-	Locked	Locked	-	Locked
C-AF	mode3	-	Locked	Locked	-	C-AF start	-
	mode4	-	-	Locked	Locked	C-AF start	-
MF	mode1	-	Locked	-	-	-	Locked
	mode2	-	-	-	Locked	-	Locked
	mode3	-	Locked	-	-	S-AF	-

4

MENU → ☆ → 🖪 → [MF Assist]

This is a focus assist function for MF. When the focus ring is rotated, the edge of the subject is enhanced or a portion of the screen display is magnified. When you stop operating the focus ring, the screen returns to the original display.

Magnify	Magnifies a portion of the screen. The portion to be magnified can be set in advance using AF target. It are "Setting the AF target" (P. 40)
Peaking	Displays clearly defined outlines with edge enhancement. You can select the enhancement color and intensity. I [Peaking Settings] (P. 116)

- [Peaking] can be displayed using button operations. The display is switched every time the button is pressed. Assign the switching function to one of the buttons in advance using Button Function (P. 66).
- Press the INFO button to change the color and intensity when Peaking is displayed.
- When Peaking is in use, the edges of small subjects tend to be enhanced more strongly. This is no guarantee of accurate focusing.

In Lever Function

MENU → ☆ → B → [Fn Lever Settings] → [Fn Lever Function]

You can switch the dial and button function depending on the position of the Fn lever.

Fn lever position	and dial/button	function list
-------------------	-----------------	---------------

Mode	Fn lever position 1	Fn lever position 2	
Off	The Fn lever function is turned off.		
mode1	The dial function operates according to settings in [Dial Function] (P. 113).		
mode2	Sets functions to be switched by the Fn lever from AF Mode, [ﷺ/•/+/Ⅲ] (AF target setting), and		
mode3	3 Sets the shooting mode selected by the mode dial. Switches to the movie mode.		

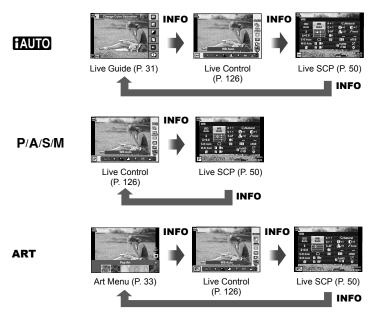
MENU → ☆ → 🖸 → [Control Settings]

Sets whether or not to display control panels for option selection in each shooting mode.

In each shooting mode, press the \circledast button to insert a check in the control panel you want to display.

How to display control panels

- Press the $\textcircled{\mbox{s}}$ button while the control panel is displayed, then press the INFO button to switch the display.
- Only control panels selected in the [Control Settings] menu will be displayed.



• For movie mode, set with [P Control Settings] of [P Display Settings] (P. 101).

4

Live control



Available settings

Image stabilizer*	P. 53
Picture mode*	P. 61, 88
White balance*	P. 42, 52
Sequential shooting/Self-timer.	P. 46, 54
Aspect ratio	P. 54
Cate: (image quality)*	.P. 55, 56, 88
₽ mode*	P. 102
Flash mode	P. 57

Flash intensity control	P. 60
Metering mode	.P. 45, 51
AF mode*	.P. 43, 51
ISO sensitivity*	.P. 42, 51
Face priority*	P. 40
Movie sound record*	P. 103

- * Available in movie mode
- · Some functions cannot be used depending on the shooting mode.
- When the controls in [Control Settings] is set to [Live Control], you can use live control even in (AUTO, P, A, S, M, ART modes (P. 115).
- Press the
 w
 button to display the live control.
 - Press the is button again to hide live control.
- **2** Use $\Delta \nabla$ to move the cursor to the desired function, then use $\triangleleft \triangleright$ to select it and press the button.
 - The setting is confirmed if you leave the camera as-is for 8 seconds.

MENU → ☆ → 🖸 → [💽 /Info Settings]

► Info (Playback information displays)

Use [Info] to add the following playback information displays. The added displays are displayed by repeatedly pressing the **INFO** button during playback. You can also choose to not show displays that appear at the default setting.



Histogram display



Highlight & Shadow display



Light box display

Highlight & Shadow display

Areas above the upper limit of brightness for the image are shown in red, those below the lower limit in blue. [[]] [Histogram Settings] (P. 116)

Light box display

Compare two images side-by-side. Press the e button to select the image on the opposite side of the display.

- The base image is displayed on the right. Use the front dial to select an image and press
 the image to move the image to the left. The image to be compared to the image on the left
 can be selected on the right. To choose a different base image, highlight the right frame
 and press the image.
- To change the zoom ratio, turn the rear dial. Press the Fn1 button and then △ ▽ ⊲ ▷ to scroll the zoomed-in area, and rotate the front dial to select between images.



▶ Q Info (Magnified playback information display)

The magnified playback information displays can be set with $[\mathbf{D}\mathbf{Q}]$ Info]. If $[\mathbf{Q}]$ (Magnify) is assigned to a button with Button Function (P. 66) in advance, the set displays can be switched by repeatedly pressing the \mathbf{Q} button during playback. You can also choose to not show displays that appear at the default setting.

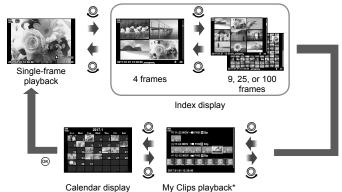


LV-Info (Shooting information displays)

You can add the Highlight&Shadow display screen to [LV-Info]. The added displays are displayed by repeatedly pressing the INFO button during shooting. You can also choose to not show displays that appear at the default setting.

Settings (Index/calendar display)

You can change the number of frames to be displayed on the index display and set to not display the screens that are set to be displayed by default with [Settings]. Screens with a check can be selected on the playback screen using the rear dial.

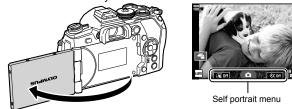


* If one or more My Clips have been created, it will be displayed here (P. 72).

MENU → ☆ → 📴 → [Selfie Assist]

When the monitor is in the selfie position, you can display a convenient touch menu.

- 1 Select [On] for [Selfie Assist] in Custom Menu D3.
- 2 Turn the monitor towards you.

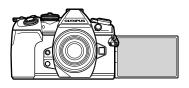


• The self portrait menu is displayed in the monitor.

.€ Off	One touch e-Portrait	Turning this on makes skin look smooth and translucent. Valid only during iAUTO mode (HAUTO).
٥	Touch shutter	When the icon is tapped, the shutter is released about 1 second later.
SC Off	One touch custom self-timer	Shoot 3 frames using the self-timer. You can set the number of times the shutter is released and the interval between each release using [Custom Self-timer] (P. 46, 54).

3 Frame the shot.

• Be careful that your fingers or the camera strap do not obstruct the lens.

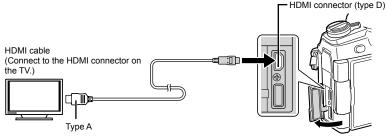


4 Tap 💿 and shoot.

- The shot image will be displayed on the monitor.
- You can also shoot by tapping the subject displayed in the monitor, or by pressing the shutter button.

MENU → ☆ → 🖸 → [HDMI]

Use the separately sold cable with the camera to playback recorded images on your TV. This function is available during shooting. Connect the camera to an HD TV using an HDMI cable to view high-quality images on a TV screen.



Connect the TV and camera and switch the input source of the TV.

- When an HDMI cable is connected, images are displayed on both the television and the camera monitor. Information is displayed on the television screen only.
- For details on changing the input source of the TV, refer to the TV's instruction manual.
- Depending on the TV's settings, the displayed images and information may become cropped.
- If the camera is connected via an HDMI cable, you will be able to choose the digital video signal type. Choose a format that matches the input format selected with the TV.

C4K	C4K via HDMI output.	
4K	riority is given to 4K HDMI output.	
1080p	Priority is given to 1080p HDMI output.	
720p	Priority is given to 720p HDMI output.	
480p/576p	480p/576p HDMI output.	

- Do not connect the camera to other HDMI output devices. Doing so may damage the camera.
- · HDMI output is not performed while connected via USB to a computer or printer.
- When [Output Mode] is set to [Record Mode] (P. 101), movies are output in the record mode set for movie. The images cannot be displayed on the connected TV if the TV does not support the record mode.
- 1080p output will be used in place of [4K] or [C4K] while the camera is being used to take photographs.

Using the TV remote control

The camera can be operated by a TV remote control when connected to a TV that supports HDMI control. I remote [HDMI] (P. 117)

The camera monitor turns off.

- · You can operate the camera by following the operation guide displayed on the TV.
- During single-frame playback, you can display or hide the information display by pressing the "**Red**" button, and display or hide the index display by pressing the "**Green**" button.
- · Some televisions may not support all features.

MENU → ☆ → 🖬 → [\$ X-Sync.]/[\$ Slow Limit]

You can set shutter speed conditions for when the flash fires.

Shooting mode	Flash firing shutter speed	Upper limit	Lower limit
P	The camera automatically sets the		[Slow Limit] setting*
Α	shutter speed.	[\$ X-Sync.]	setting*
S	The set shutter speed	setting	No lower limit
М	The set shutter speed		

* Extends up to 60 seconds when slow synchronization is set.

Combinations of JPEG image sizes and compression rates

$\mathsf{MENU} \twoheadrightarrow \Leftrightarrow \twoheadrightarrow \mathbf{G} \twoheadrightarrow \mathbf{[} \Leftarrow \mathbf{Set]}$

You can set the JPEG image quality by combining image size and compression rate.

Image size Compression rate		ion rate					
Name	Pixel Count	SF (Super Fine)	F (Fine)	N (Normal)	B (Basic)	Application	
(Large)	5184×3888*	SF	∎F*	N *	B		
M(Middle)	3200×2400*	MSF M				Select for the	
	2560×1920			MF MN*	MВ	print size	
	1920×1440		MF				
	1600×1200						
S(Small)				R D	For small prints and use		
	1024×768	SSF	SF	BF	ØF	SN*	SB

* Default

4

MENU $\Rightarrow \Leftrightarrow \Rightarrow \square \Rightarrow$ [Card Slot Settings]

When there are cards in both slots 1 and 2, you can select which card to record still images and movies to.

- 1 Select [Card Slot Settings] in Custom Menu Ⅲ and press the ⊛ button.
- **2** Use $\Delta \nabla$ to select the item and press \triangleright .
 - Use $\Delta \nabla$ to select the setting and press the \circledast button.

Save Settings	Sets the recording method for still images. Set "Setting the saving method for shooting data (Save Settings)" (P. 54)
Save Slot	Sets the card for recording still images. This is operative when [
🛱 Save Slot	Sets the destination for recording movies.
► Slot	Selects the card for still image playback when [▲ Save Settings] is set to [Dual Independent ↓□], [Dual Independent ↑□], [Dual Same ↓□], or [Dual Same ↑□].
Assign Save Folder	Sets the card save destination folder.

Assign Save Folder

- 1 Select [Assign Save Folder] and press ▷.
- 2 Select [Assign] and press ▷.
- 3 Select a folder and press the or button.
 - If you select [New Folder], specify the 3-digit folder number and press the ⊛ button.

4000 100%	Existing Folder	
100OLYMP	5671	
1010LYMP	30	2.1.7
2000LYMP	49	34
202OLYMP	125	CON THE
305OLYMP	3250	The second
420OLYMP	108	Contraction of the
500OLYMP	427	1 100
Back		Set OK

Saving lens info

MENU → ☆ → 🔟 → [Lens Info Settings]

Store lens info for up to 10 lenses that do not supply info automatically to the camera.

- Select [Create Lens Information] for [Lens Info Settings] in Custom Menu III.
- 2 Select [Lens Name] and enter a lens name. After entering a name, highlight [END] and press the e button.
- **3** Use $\Delta \nabla \triangleleft \triangleright$ to choose the [Focal Length].
- **4** Use $\Delta \nabla \triangleleft \triangleright$ to choose the [Aperture Value].
- 5 Select [Set] and press the 🛞 button.
- The lens will be added to the lens info menu.
- When a lens that does not supply info automatically is attached, the info used is indicated by
 . Highlight a lens with a
 icon and press the
 button.

MENU → ☆ → 🚺 → [EVF Style]

Style 1/2: Displays only main items such as shutter speed and aperture value Style 3: Displays same as the monitor

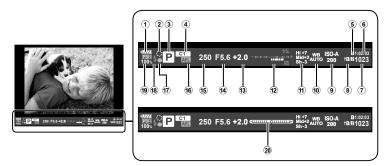


Style 1/ Style 2



Style 3

Viewfinder display when shooting using the viewfinder (Style 1/Style 2)



 Battery check 	
-----------------------------------	--

Image: Ready for use.

- Low battery
- Battery is running low.
- Charging required.
- 2 Ø.....P. 67
- 3 Shooting mode.....P. 24-37
- Assign to Custom Mode.....P. 35, 87
- ⑤ ♀ Save Slot......P. 132
- Available recording timeP. 148
- Number of storable still pictures ...P. 148
- 8 Save SettingsP. 54
- 9 ISO sensitivity.....P. 42, 51
- 1 White balance P. 42, 52

1	Highlight&Shadow ControlP. 66
12	Top: Flash intensity controlP. 60
	Bottom: Exposure compensation
	indicatorP. 39
13	Exposure compensation valueP. 39
14)	Aperture value P. 26-29
15	Shutter speedP. 26-29
16	AE Lock AELP. 45, 123
17	AF confirmation markP. 25
(18)	Flash (blinks: charging in progress)
0	P. 57
(19)	PBH (displayed when using the power
~	battery holder power)P. 150
\sim	
(20)	Level gauge (displayed by pressing the
	shutter button down halfway)

You can change the viewfinder display style. In [EVF Style] (P. 121)

4

Connecting the camera to a smartphone

By connecting to a smartphone through this camera's wireless LAN function and using the specified app, you can enjoy even more features during and after shooting.

Things you can do with the specified app, OLYMPUS Image Share (OI.Share)

- Camera image transfer to a smartphone You can load images in the camera to a smartphone.
- Remote shooting from a smartphone You can remotely operate the camera and shoot using a smartphone.
- Beautiful image processing You can apply art filters and add stamps on images loaded to a smartphone.
- Addition of GPS tags to camera images You can add GPS tags to images simply by transferring the GPS log saved on the smartphone to the camera.

For details, visit the address below:

http://app.olympus-imaging.com/oishare/

- · Before using the wireless LAN function, read "Using the wireless LAN function" (P. 183).
- If using the wireless LAN function in a country outside the region where the camera was purchased, there is a risk that the camera will not conform to the wireless communication regulations of that country. Olympus will not be held responsible for any failure to meet such regulations.
- · As with any wireless communication, there is always a risk of interception by a third party.
- The wireless LAN function on the camera cannot be used to connect to a home or public access point.
- The transmitting antenna is located inside the grip. Keep the antenna away from metal objects whenever possible.
- During wireless LAN connection, the battery will run down faster. If the battery is running low, the connection may be lost during a transfer.
- Connection may be difficult or slow in proximity to devices that generate magnetic fields, static electricity or radio waves, such as near microwaves, cordless telephone.
- While connected to a smartphone running OI.Share, the camera will function as if
 [Standard] is selected for [Card Slot Settings] > [Save Slot] (P. 132), and OI.Share will
 have access only to the card in the slot currently selected for [Save Slot]. The slot can
 not be changed using OI.Share.
- · If only one card is inserted, OI.Share will access it automatically.
- Movies are recorded to the card used for photographs, regardless of the option selected for [P Save Slot].

Wi-Fi

• If Wi-Fi seems sluggish, try using Wi-Fi with Bluetooth disabled on the smartphone.

Connecting to a smartphone

Connect to a smartphone. Start the OI.Share App installed on your smartphone.

- - You can also connect by tapping will in the monitor.
- 2 Following the guide displayed on the monitor, proceed with the Wi-Fi settings.
 - The SSID, password and QR code are displayed on the monitor.

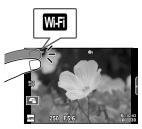


- **3** Start OI.Share on your smartphone, and read the QR code displayed on the camera monitor.
 - · Connection will be performed automatically.
 - Some smartphones will need to be configured manually after reading the QR code.
 - If you are unable to read the QR code, enter the SSID and password in the Wi-Fi settings of your smartphone to connect. For how to access the Wi-Fi settings on your smartphone, please see your smartphone operating instructions.
- **4** To end the connection, press **MENU** on the camera or tap [End Wi-Fi] on the monitor screen.
 - · You can also end the connection with OI.Share or by turning off your camera.
 - · The connection ends.

Transferring images to a smartphone

You can select images in the camera and load them to a smartphone. You can also use the camera to select images you want to share in advance. I "Setting a transfer order on images (Share Order)" (P. 82)

- 1 Connect the camera to a smartphone (P. 135).
 - You can also connect by tapping WH in the monitor.



- 2 Launch OI.Share and tap the Image Transfer button.
 - · The images in the camera are displayed in a list.
- 3 Select the pictures you want to transfer and tap the Save button.
 - When saving is completed, you can turn off the camera from the smartphone.

Shooting remotely with a smartphone

You can shoot remotely by operating the camera with a smartphone. This is available only in [Private].

- 1 Start [Connection to Smartphone] on the camera.
 - You can also connect by tapping WH in the monitor.
- 2 Launch OI.Share and tap the Remote button.
- 3 Tap the shutter button to shoot.
 - · The image taken is saved on the memory card in the camera.
- Available shooting options are partially limited.

Adding position information to images

You can add GPS tags to images that were taken while the GPS log was saving by transferring the GPS log saved on the smartphone to the camera. This is available only in [Private].

- **1** Before beginning to shoot, launch OI.Share and turn on the switch on the Add Location button to begin saving the GPS log.
 - Before beginning to save the GPS log, the camera must be connected to OI.Share
 once to synchronize the time.
 - You can use the phone or other apps while the GPS log is saving. Do not terminate OI.Share.
- **2** When shooting is complete, turn off the switch on the Add Location button. Saving the GPS log is complete.
- 3 Start [Connection to Smartphone] on the camera.
 - You can also connect by tapping WH in the monitor.
- **4** Transfer the saved GPS log to the camera using OI.Share.
 - GPS tags are added to the images in the memory card based on the transferred GPS log.
 - 🗶 is displayed on images to which position information has been added.
- Addition of location information can only be used with smartphones that have a GPS function.
- · Position information cannot be added to movies.

Changing the connection method

There are two ways to connect to a smartphone. With [Private] the same settings are used to connect every time. With [One-Time] different settings are used each time. You may find it convenient to use [Private] when connecting to your own smartphone and [One-Time] when transferring images to a friend's smartphone etc. The default setting is [Private].

- 1 Select [Wi-Fi Settings] in the Y Setup Menu and press the is button.
- 2 Select [Wi-Fi Connect Settings] and press ▷.
- 3 Select the wireless LAN connection method and press the is button.
 - [Private]: Connect to one smartphone (connects automatically using the settings after the initial connection). All OI.Share functions are available.
 - [One-Time]: Connect to multiple smartphones (connects using different connection settings each time). Only OI.Share's image transfer function is available. You can view only images that are set for share order using the camera.
 - [Select]: Select which method to use each time.
 - · [Off]: The Wi-Fi function is turned off.

Changing the password

Change the password used for [Private].

- 1 Select [Wi-Fi Settings] in the Y Setup Menu and press the ⊛ button.
- 2 Select [Private Password] and press ▷.
- 3 Follow the operation guide and press the O button.
 - A new password will be set.

Cancelling a share order

Cancel share orders that are set on images.

- 1 Select [Wi-Fi Settings] in the Y Setup Menu and press the ⊛ button.
- 2 Select [Reset share Order] and press ▷.
- 3 Select [Yes] and press the is button.
 - The share order for images saved on the card being used for playback will be canceled.

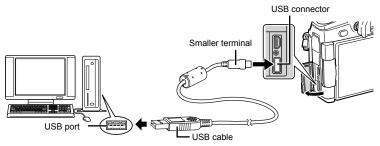
Initializing wireless LAN settings

Initializes content of [Wi-Fi Connect Settings].

- 1 Select [Wi-Fi Settings] in the Y Setup Menu and press the ⊛ button.
- 2 Select [Reset Wi-Fi Settings] and press ▷.
- 3 Select [Yes] and press the 🛞 button.

Connecting the camera to a computer and a printer

Connecting the camera to a computer



- If nothing is displayed on the camera screen even after connecting the camera to the computer, the battery may be exhausted. Use a full-charged battery.
- When the camera is turned on, a dialog should be displayed in the monitor prompting you to choose a host. If it is not, select [Auto] for [USB Mode] (P. 117) in the camera custom menus.

Copying pictures to a computer

The following operating systems are compatible with the USB connection:

Windows: Windows Vista SP2/Windows 7 SP1/Windows 8/ Windows 8.1/Windows 10

Macintosh: Mac OS X v10.8 - v10.11

- Turn the camera off and connect it to the computer.
 - The location of the USB port varies with the computer. For details, refer to your computer's manual.
- 2 Turn on the camera.
 - The selection screen for the USB connection is displayed.
- 3 Press △ ▽ to select [Storage]. Press the ⊛ button.



- 4 The computer recognizes the camera as a new device.
- If you are using Windows Photo Gallery, choose [MTP] in Step 3.
- Data transfer is not guaranteed in the following environments, even if your computer is equipped with a USB port.

Computers with a USB port added by means of an extension card, etc., computers without a factory-installed OS, or home-built computers

- · Camera controls cannot be used while the camera is connected to a computer.
- When [I] is selected, camera controls can be used even while the camera is connected to a computer.
- If the dialog shown in Step 2 is not displayed when the camera is connected to a computer, select [Auto] for [USB Mode] (P. 117) in the camera custom menus.

Installing the PC software

The photographs and movies you have shot with your camera can be transferred to a computer and viewed, edited, and organized using the OLYMPUS Viewer 3 offered by OLYMPUS.

- To install OLYMPUS Viewer 3, download it from http://support.olympus-imaging.com/ ov3download/ and follow the on-screen instructions.
- Visit the website above for system requirements and installation instructions.
- You will be required to enter the product serial number prior to download.

Installing the OLYMPUS Digital Camera Updater

Camera firmware updates can only be performed using the OLYMPUS Digital Camera Updater. Download the updater from the website below and install it according to the on-screen instructions.

http://oup.olympus-imaging.com/ou1download/index/

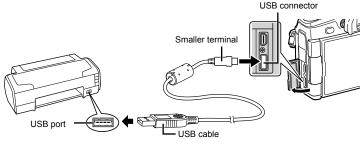
User Registration

Visit the OLYMPUS website for information on registering your OLYMPUS products.

Direct printing (PictBridge)

By connecting the camera to a PictBridge-compatible printer with the USB cable, you can print out recorded pictures directly.

1 Connect the camera to the printer using the supplied USB cable and turn the camera on.



- · Use a fully charged battery for printing.
- When the camera is turned on, a dialog should be displayed in the monitor prompting you to choose a host. If it is not, select [Auto] for [USB Mode] (P. 117) in the camera custom menus.

2 Use $\Delta \nabla$ to select [Print].

- [One Moment] will be displayed, followed by a printmode selection dialog.
- If the screen is not displayed after a few minutes, disconnect the USB cable and start again from Step 1.



Proceed to "Custom printing" (P. 143)

· RAW images and movies cannot be printed.

Easy printing

Use the camera to display the picture you wish to print before connecting the printer via the USB cable.

- Use ⊲▷ to display the pictures you want to print on the camera.
- **2** Press ▷.
 - The picture selection screen appears when printing is completed. To print another picture, use ⊲▷ to select the image and press the image button.
 - To exit, unplug the USB cable from the camera while the picture selection screen is displayed.



Custom printing

- **1** Connect the camera to the printer using the supplied USB cable and turn the camera on.
 - When the camera is turned on, a dialog should be displayed in the monitor prompting you to choose a host. If it is not, select [Auto] for [USB Mode] (P. 117) in the camera custom menus.
- 2 Follow the operation guide to set a print option.

Selecting the print mode

Select the type of printing (print mode). The available print modes are as shown below.

Print	Prints selected pictures.		
All Print Prints all the pictures stored in the card and makes one print for each picture.			
Multi Print	Prints multiple copies of one image in separate frames on a single sheet.		
All Index Prints an index of all the pictures stored in the card.			
Print Order Prints according to the print reservation you made. If there picture with print reservation, this is not available.			

Setting the print paper items

This setting varies with the type of printer. If only the printer's STANDARD setting is available, you cannot change the setting.

Size	Sets the paper size that the printer supports.	
Borderless Selects whether the picture is printed on the entire page or inside blank frame.		
Pics/Sheet	Selects the number of pictures per sheet. Displayed when you have selected [Multi Print].	

Selecting pictures you want to print

Select pictures you want to print. The selected pictures can be printed later (single-frame reservation) or the picture you are displaying can be printed right away.



Print OK	Prints the currently displayed picture. If there is a picture that [Single Print ▲] reservation has already been applied to, only that reserved picture will be printed.
Single Print 🔺	Applies print reservation to the currently displayed picture. If you want to apply reservation to other pictures after applying [Single Print \blacktriangle], use $\triangleleft \triangleright$ to select them.
More ▼	Sets the number of prints and other items for the currently displayed picture, and whether or not to print it. For operation, refer to "Setting printing data" in the next section.

Setting printing data

Select whether to print printing data such as the date and time or file name on the picture when printing. When the print mode is set to [All Print], select [Option Set].

L×	Sets the number of prints.
Date	Prints the date and time recorded on the picture.
File Name	Prints the file name recorded on the picture.
4	Trims the picture for printing. Use the front dial ($\widehat{\circ}$) to choose the crop size and $\Delta \nabla \triangleleft \triangleright$ to specify the crop position.

- 3 Once you have set the pictures for printing and printing data, select [Print], then press the e button.
 - · The setting will be applied to the images saved on the card being used for playback.
 - To stop and cancel printing, press the
 in button. To resume printing, select [Continue].

Cancelling printing

To cancel printing, highlight [Cancel] and press the M button. Note that any changes to the print order will be lost; to cancel printing and return to the previous step, where you can make changes to the current print order, press **MENU**.

Print order (DPOF)

You can save digital "print orders" to the memory card listing the pictures to be printed and the number of copies of each print. You can then have the pictures printed at a print shop that supports DPOF or print the pictures yourself by connecting the camera directly to a DPOF printer. A memory card is required when creating a print order.

Creating a print order

- 1 Press the is button during playback and select [Print Order].
- 2 Select [凸] or [凸ALL] and press the ⊛ button.

Individual picture

Press $\triangleleft \triangleright$ to select the frame that you want to set as print reservation, then press $\Delta \nabla$ to set the number of prints.

• To set print reservation for several pictures, repeat this step. Press the ⊛ button when all the desired pictures have been selected.

All pictures

Select [\square ALL] and press the \circledast button.

47224 100%	Print Order	
	L	
	<u>Dall</u>	
Back	MENU	Set ok
Back	MENU	Set OK

3 Select the date and time format and press the ⊛ button.

No	The pictures are printed without the date and time.
Date	The pictures are printed with the shooting date.
Time	The pictures are printed with the shooting time.

- No Date Time Back WWW Set E03
- When printing images, the setting cannot be changed between the images.
- **4** Select [Set] and press the [⊕] button.
 - · The setting will be applied to the images saved on the card being used for playback.
- The camera cannot be used to modify print orders created with other devices. Creating a new print order deletes any existing print orders created with other devices.
- · Print orders cannot include RAW images or movies.

Removing all or selected pictures from the print order

You can reset all print reservation data or just the data for selected pictures.

- 1 Press the e button during playback and select [Print Order].
- 2 Select [⊥] and press the ⊛ button.
 - To remove all pictures from the print order, select [Reset] and press the ⊛ button. To exit without removing all pictures, select [Keep] and press the ⊛ button.
- **3** Press $\triangleleft \triangleright$ to select images you wish to remove from the print order.
 - Use ∇ to set the number of prints to 0. Press the \circledast button once you have removed all the desired pictures from the print order.
- **4** Select the date and time format and press the is button.
 - This setting is applied to all frames with print reservation data.
 - · The setting will be applied to the images saved on the card being used for playback.
- 5 Select [Set] and press the 🛞 button.

6



Battery and charger

- The camera uses a single Olympus lithium-ion battery. Never use any battery other than genuine OLYMPUS batteries.
- The camera's power consumption varies widely with usage and other conditions.
- As the following consume a lot of power even without shooting, the battery will be drained quickly.
 - Performing auto focus repeatedly by pressing the shutter button halfway in shooting mode.
 - Displaying images on the monitor for a prolonged period.
 - When connected to a computer or printer.
- When using a drained battery, the camera may turn off without the low battery warning being displayed.
- The battery will not be fully charged at the time of purchase. Charge the battery using the provided charger before use.
- If you will not be using the camera for a prolonged period (one month or more), remove the battery from the camera.

Make sure not to leave the battery inside the camera for a long time, or else the battery life may be shortened or the battery may become unusable.

- The normal charging time using the provided charger is approximately 2 hours (estimated).
- Do not attempt to use chargers not specifically designated for use with the supplied battery, or to use batteries not specifically designated for use with the supplied charger.
- · There is a risk of explosion if the battery is replaced with the incorrect battery type.
- Dispose of the used battery following the instructions "CAUTION" (P. 182) in the instruction manual.

Using the optional AC adapter

The optional AC-5 AC adapter can be used with the power battery holder (HLD-9). (P. 150) Use only the appropriate AC adapter. Do not use the power cord included with the AC adapter with any other products.

Using your charger abroad

- The charger can be used in most home electrical sources within the range of 100 V to 240 V AC (50/60 Hz) around the world. However, depending on the country or area you are in, the AC wall outlet may be shaped differently and the charger may require a plug adapter to match the wall outlet.
- Do not use commercially available travel adapters as the charger may malfunction.

Usable cards

In this manual, all storage devices are referred to as "cards." The following types of SD memory card (commercially available) can be used with this camera: SD, SDHC, SDXC, and Eye-Fi. For the latest information, please visit the Olympus website.

SD card write protect switch

The SD card body has a write protect switch. Setting the switch to "LOCK" prevents data being written to the card. Return the switch to the unlock position enable writing.

- The data in the card will not be erased completely even after formatting the card or deleting the data. When discarding, destroy the card to prevent leakage of personal information.
- Use the Eye-Fi card in compliance with the laws and regulations of the country where the camera is used. Remove the Eye-Fi card from the camera or disable the card functions in airplanes and other locations where use is prohibited. IS [Eye-Fi] (P. 122)
- The Eye-Fi card may become hot during use.
- When using an Eye-Fi card, the battery may run out faster.
- When using an Eye-Fi card, the camera may function more slowly.
- · Failure may occur during My Clips shooting. Please turn off the card function in this case.
- Setting the write protect switch to "LOCK" may limit such functions as clip shooting and playback.





Record mode and file size/number of storable still pictures

Record mode	Image size (Pixel Count)	Compression	File format	File size (MB)	Number of storable still pictures*
	10368×7776	Uncompressed	ORF		
50M F+RAW	8160×6120	1/4	JPEG	181.5	42
	5184×3888	Uncompressed	ORI		
	10368×7776	Uncompressed	ORF		
25M F+RAW	5760×4320	1/4	JPEG	169.5	44
	5184×3888	Uncompressed	ORI		
50M F	8160×6120	1/4	JPEG	Approx. 21.7	317
25M F	5760×4320	1/4	JPEG	Approx. 10.9	630
RAW		Loss-less compression	ORF	Approx. 21.5	341
SF	54040000	1/2.7		Approx. 13.1	527
ØF	5184×3888	1/4		Approx. 8.9	774
I N		1/8		Approx. 4.6	1506
∎B		1/12		Approx. 3.1	2219
MSF		1/2.7		Approx. 5.1	1348
MF	2200-22400	1/4		Approx. 3.6	1952
MN	3200×2400	1/8		Approx. 1.9	3698
MB		1/12		Approx. 1.4	5194
MSF		1/2.7		Approx. 3.4	2051
MF	0500 (000	1/4		Approx. 2.4	2941
MN	2560×1920	1/8		Approx. 1.3	5424
MB		1/12		Approx. 1.0	7397
MSF		1/2.7		Approx. 2.0	3487
MF		1/4		Approx. 1.4	4882
MN	1920×1440	1/8	JPEG	Approx. 0.9	8418
MB		1/12		Approx. 0.7	11096
MSF		1/2.7		Approx. 1.5	4786
MF	1000 100-	1/4		Approx. 1.1	6597
MN	1600×1200	1/8		Approx. 0.7	11096
MB		1/12		Approx. 0.5	13562
SF		1/2.7		Approx. 1.0	6781
SF	1000.005	1/4		Approx. 0.8	9041
SIN SIN	1280×960	1/8		Approx. 0.5	14360
SB B		1/12		Approx. 0.4	17437
SF SF		1/2.7		Approx. 0.8	9389
SF		1/4		Approx. 0.6	12206
SIN SIN	1024×768	1/8		Approx. 0.3	30515
SB B		1/12		Approx. 0.2	40687

The file size in the table is approximate for files with a 4:3 aspect ratio.

* Assumes a 8GB SD card.

- The number of storable still pictures may change according to the subject, whether or not
 print reservations have been made, and other factors. In certain instances, the number
 of storable still pictures displayed on the monitor will not change even when you take
 pictures or erase stored images.
- The actual file size varies according to the subject.
- The maximum number of storable still pictures displayed on the monitor is 9999.
- · For the available recording time for movies, see the Olympus website.

Interchangeable lenses

Choose a lens according to the scene and your creative intent. Use lenses designed exclusively for the Micro Four Thirds system and bearing the M.ZUIKO DIGITAL label or the symbol shown at right. With an adapter, you can also use Four Thirds System and OM System lenses. The optional adapter is required.



- When you attach or remove the body cap and lens from the camera, keep the lens mount on the camera pointed downward. This helps prevent dust and other foreign matter from getting inside the camera.
- · Do not remove the body cap or attach the lens in dusty places.
- Do not point the lens attached to the camera toward the sun. This may cause the camera to malfunction or even ignite due to the magnifying effect of sunlight focusing through the lens.
- · Be careful not to lose the body cap and rear cap.
- Attach the body cap to the camera to prevent dust from getting inside when no lens is attached.

Lens	Camera	Attachment	AF	Metering
Micro Four Thirds system lens		Yes	Yes	Yes
Four Thirds system lens	Micro Four Thirds system camera	Attachment possible	Yes*1	Yes
OM System lenses		with mount adapter	No	Yes*2
Micro Four Thirds system lens	Four Thirds System Camera	No	No	No

Lens and camera combinations

*1 AF is not operational when recording movies.

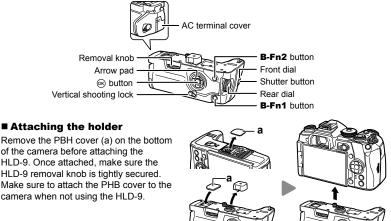
*2 Accurate metering is not possible.

HLD-9 Power Battery Holder

This can be used along with the battery in the camera body to extend the camera's operating time. You can assign functions to the dial and **B-Fn** button in the Custom Menu. The optional AC adapter can be used with the HLD-9.

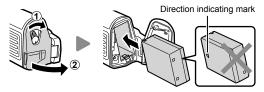
Make sure to turn the camera off when attaching and removing the holder.

Part names



Loading the battery

Use BLH-1 battery. Once you load the battery, make sure to lock the battery cover.



Using the AC adapter

Open the AC terminal cover and plug the AC adapter into the AC terminal.



Using the dials and buttons

You can set the HLD-9 dial and **B-Fn** button functions in [Button Function] and [P Button Function] of the Custom Menu. R "Assigning functions to buttons (Button Function)" (P. 66), [Button Function] (P. 113), [P Button Function] (P. 100)

Main Specifications (HLD-9)

	· · ·
Power Supply	Battery: BLH-1 Lithium-ion Battery x 1 AC power: AC-5 AC Adapter
Dimensions	Approx. 132.7 mm (W) × 55.8 mm (H) × 66.0 mm (D) (5.2" × 2.2" × 2.6")
Weight	Approx. 255 g (9.0 oz.) (excluding battery and terminal cap)
Splash resistance (when attached to camera)	Type Equivalent to IEC Standard publication 60529 IPX1 (under OLYMPUS test conditions)

\land Note

- Use only the designated battery and AC adapter. Failure to do so could result in injury, damage to the product, and fire.
- Do not use your nail to turn the removal knob. Doing so could result in injury.
- Only use the camera within the guaranteed operating temperature range.
- Do not use or store the product in dusty or humid areas.
- Do not touch the electrical contacts.
- Use a dry, soft cloth to clean the terminals. Do not clean the product with a damp cloth, thinner, benzine, or any other organic solvents.

External flash units designated for use with this camera

With this camera, you can use one of the separately sold external flash units to achieve a flash suited to your needs. The external flashes communicate with the camera, allowing you to control the camera's flash modes with various available flash control modes, such as TTL-AUTO and Super FP flash. An external flash unit specified for use with this camera can be mounted on the camera by attaching it to the camera's hot shoe. You can also attach the flash to the flash bracket on the camera using the bracket cable (optional). Refer to the documentation provided with the external flash units as well.

The upper limit of the shutter speed is 1/250 sec. when using a flash.

* The sync speed for silent mode and focus bracketing (P. 94) is 1/50 second. The sync speed at ISO sensitivities of 8000 and above and during ISO bracketing (P. 94) is 1/20 second.

Optional flash	Flash control mode	GN (Guide number) (ISO100)	RC mode
FL-900R	TTL-AUTO, AUTO, MANUAL, FP TTL AUTO, FP MANUAL, MULTI, RC, SL AUTO, SL MANUAL	GN58 (200 mm*1)	~
FL-600R	TTL-AUTO, AUTO, MANUAL, FP TTL AUTO, FP MANUAL	GN36 (85 mm*1) GN20 (24 mm*1)	~
FL-300R	TTL-AUTO, MANUAL	GN20 (28mm*1)	~
FL-14 TTL-AUTO, AUTO, MANUAL		GN14 (28mm*1)	-
STF-8	TTL-AUTO, MANUAL	GN8.5	~

Wireless remote control flash photography

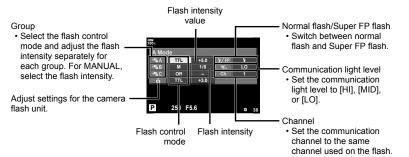
External flash units that are designated for use with this camera and have a remote control mode can be used for wireless flash photography. The camera can separately control each of three groups of remote flash units, and the internal flash. See the instruction manuals provided with the external flash units for details.

1 Set the remote flash units to RC mode and place them as desired.

- Turn the external flash units on, press the MODE button, and select RC mode.
- · Select a channel and group for each external flash unit.

2 Select [On] for [\$ RC Mode] in 2 Shooting Menu 2 (P. 86).

- · The LV super control panel switches to RC mode.
- You can choose an LV super control panel display by repeatedly pressing the INFO button.
- · Select a flash mode (note that red-eye reduction is not available in RC mode).
- 3 Adjust the settings for each group in the LV super control panel.



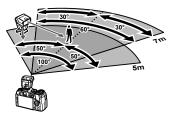
4 Attach the supplied flash unit and turn on the camera.

 After confirming that the built-in and remote flash units have charged, take a test shot.

Wireless flash control range

Position the wireless flash units with their remote sensors facing the camera. The following illustration shows the approximate ranges at which the flash units can be positioned. The actual control range varies with local conditions.

- We recommend using a single group of up to three remote flash units.
- Remote flash units cannot be used for second curtain slow synchronization or antishock exposures longer than 4 seconds.
- If the subject is too close to the camera, the control flashes emitted by the camera flash may affect exposure (this effect can be reduced by reducing the output of the camera flash by, for example, using a diffuser).
- The upper limit of flash synchronization timing is 1/250 sec. when using the flash in RC mode.



Other external flash units

Connect a sync cord to the hot shoe or the external flash terminal. When not using the external flash terminal, make sure to attach the cap.

Note the following when using a third-party flash unit mounted on the camera hot shoe:

- Using obsolete flash units that apply currents of more than about 250 V to the X-contact will damage the camera.
- Connecting flash units with signal contacts that do not conform to Olympus specifications may damage the camera.
- Set the Shooting mode to M, set the shutter speed to a value no higher than flash synchronous speed, and set ISO sensitivity to a setting other than [AUTO].
- Flash control can only be performed by manually setting the flash to the ISO sensitivity and aperture values selected with the camera. Flash brightness can be adjusted by adjusting either ISO sensitivity or aperture.
- Use a flash with an angle of illumination suited to the lens. Angle of illumination is usually expressed using 35-mm format equivalent focal lengths.

Principal Accessories

Remote cable (RM-CB2)

Use when the slightest camera movement can result in blurred pictures, for example for macro or bulb photography. Connect the cable to the camera remote cable terminal (P. 11).

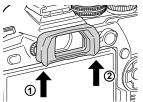
Converter lenses

Converter lenses attach to the camera lens for quick and easy fish-eye or macro photography. See the OLYMPUS website for information on the lenses that can be used.

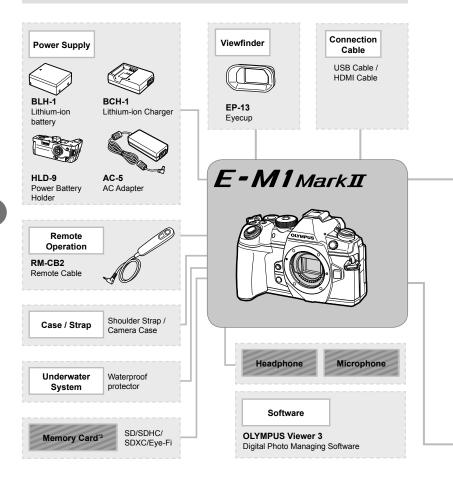
Eyecup (EP-13)

You can switch to a large-size eyecup.

Removal



System chart





: Commercially available products

For the latest information, please visit the Olympus website.

- *1 Not all lenses can be used with adapter. For details, refer to the Olympus Official Web Site. Also, please note that manufacture of OM System Lenses has been discontinued.
- *2 For compatible lens, refer to the Olympus Official Web Site.
- *3 Use the Eye-Fi card in compliance with the laws and regulations of the country where the camera is used.
- *4 Only available for ED 40-150mm f2.8 PRO and ED 300mm f4.0 IS PRO.

7

Lens			Converter Lens* ²
	M.ZUIKO DIGITAL ED 8n M.ZUIKO DIGITAL ET A M.ZUIKO DIGITAL 17mm M.ZUIKO DIGITAL 17mm M.ZUIKO DIGITAL 25mm M.ZUIKO DIGITAL 25mm M.ZUIKO DIGITAL ED 30 M.ZUIKO DIGITAL ED 30 M.ZUIKO DIGITAL ED 75 M.ZUIKO DIGITAL ED 77 M.ZUIKO DIGITAL ED 12 M.ZUIKO DIGITAL ED 12 M.ZUIKO DIGITAL ED 12 M.ZUIKO DIGITAL ED 12 M.ZUIKO DIGITAL ED 14 M.ZUIKO DIGITAL ED 10 M.ZUIKO DIGITAL ED 30 Teleconverter MC-14 ⁺¹	Itm f2.0 11.8 12.8 14.8 14.8 15.8 15.8 14.0 14	FCON-P01 Fisheye WCON-P01 Wide MCON-P01 Macro MCON-P02 Macro
	MMF-2/MMF-3 ^{*1} Four Thirds Adapter	Four Thirds System Lenses	
	MF-2 ^{*1} OM Adapter 2	OM System Lenses	



FL-14 Electronic Flash



FL-600R Electronic Flash



FL-900R Electronic Flash



STF-8 Macro Flash



FL-300R Electronic Flash

Cleaning and storing the camera

Cleaning the camera

Turn off the camera and remove the battery before cleaning the camera.

· Do not use strong solvents such as benzene or alcohol, or a chemically treated cloth.

Exterior:

 Wipe gently with a soft cloth. If the camera is very dirty, soak the cloth in mild soapy water and wring well. Wipe the camera with the damp cloth and then dry it with a dry cloth. If you have used the camera at the beach, use a cloth soaked in clean water and well wrung.

Monitor:

· Wipe gently with a soft cloth.

Lens:

• Blow dust off the lens with a commercially available blower. For the lens, wipe gently with a lens cleaning paper.

Storage

- When not using the camera for a prolonged period, remove the battery and card. Store the camera in a cool, dry place that is well ventilated.
- · Insert the battery periodically and test the camera's functions.
- · Remove dust and other foreign matter from the body and rear caps before attaching them.
- Attach the body cap to the camera to prevent dust from getting inside when no lens is attached. Be sure to replace the front and rear lens caps before putting the lens away.
- · Clean the camera after use.
- · Do not store with insect repellent.
- Avoid storing the camera in places where chemicals are treated, in order to protect the camera from corrosion.
- · Mold may form on the lens surface if the lens is left dirty.
- Check each part of the camera before use if it has not been used for a long time. Before taking important pictures, be sure to take a test shot and check that the camera works properly.

Cleaning and checking the image pickup device

This camera incorporates a dust reduction function to keep dust from getting on the image pickup device and to remove any dust or dirt from the image pickup device surface with ultrasonic vibrations. The dust reduction function operates when the camera is turned on.

The dust reduction function operates at the same time as the pixel mapping, which checks the image pickup device and image processing circuitry. Since dust reduction is activated every time the camera's power is turned on, the camera should be held upright for the dust reduction function to be effective.

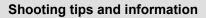
Pixel Mapping - Checking the image processing functions

The pixel mapping feature allows the camera to check and adjust the image pickup device and image processing functions. After using the monitor or taking continuous shots, wait for at least one minute before using the pixel mapping function to ensure that it operates correctly.

- 1 In Custom Menu 1, select [Pixel Mapping] (P. 122).
- **2** Press \triangleright , then press the \odot button.
 - The [Busy] bar is displayed when pixel mapping is in progress. When pixel mapping is finished, the menu is restored.
- If you accidentally turn the camera off during pixel mapping, start again from Step 1.

After Service

- A warranty is provided at the dealer from whom you purchased the camera. Make sure it
 includes the name of the store and the purchase date. If one or both of these items are
 missing, make sure to contact the dealer right away. Carefully read the warranty and store
 it in a safe place.
- Contact the dealer from whom you purchased the camera or an Olympus service center for after service or if the product malfunctions. If the product malfunctions within one year of the purchase date despite using it according to the instruction manual, Olympus will repair it free of charge based on the warranty.
- Repairs after the warranty period has expired incur fees as a rule.
- After the product has been discontinued, after service will be available for a period
 of 7 years. However, after service repairs or replacing the product with an equal item
 (product exchange) at Olympus' discretion is based on the type of malfunction, whether
 or not replacement parts are available, and the period of time for retaining the parts (parts
 are generally retained for a period of 7 years after production is discontinued).
- Olympus accepts no responsibility for incidental damages caused by product malfunction (expenses entailed during shooting, and loss of profits from shooting). The customer is responsible for all shipping and handling costs.
- When sending in a product for repairs, make sure it is adequately packed and includes a written notice detailing what needs to be repaired. Make sure to use a package delivery service or registered parcel shipping and obtain a receipt.



The camera does not turn on even when a battery is loaded

The battery is not fully charged

· Charge the battery with the charger.

The battery is temporarily unable to function because of the cold

 Battery performance drops at low temperatures. Remove the battery and warm it by putting it in your pocket for a while.

No picture is taken when the shutter button is pressed

The camera has turned off automatically

- If power saving is enabled, the camera will enter sleep mode if no operations are performed for a set period. Press the shutter button halfway to exit the sleep mode.
- The camera automatically enters sleep mode to reduce the drain on the battery if no operations are performed for a set period of time. I [Sleep] (P. 122)
 If no operations are performed for a set time after the camera has entered sleep mode, the camera will turn off automatically. S [Auto Power Off] (P. 122)

The flash is charging

 On the monitor, the 4 mark blinks when charging is in progress. Wait for the blinking to stop, then press the shutter button.

Unable to focus

 The camera cannot focus on subjects that are too close to the camera or that are not suited to autofocus (the AF confirmation mark will blink in the monitor). Increase the distance to the subject or focus on a high contrast object at the same distance from the camera as your main subject, compose the shot, and shoot.

Subjects that are difficult to focus on

It may be difficult to focus with auto focus in the following situations.

AF confirmation mark is blinking. These subjects are not focused.



Subject with low contrast

AF confirmation mark lights up but the subject is not focused.



Subjects at different distances



Excessively bright light in center of frame



Fast-moving subject



Subject containing no vertical lines



Subject not inside AF area

Noise reduction is activated

 When shooting night scenes, shutter speeds are slower and noise tends to appear in images. The camera activates the noise-reduction process after shooting at slow shutter speeds. During which, shooting is not allowed. You can set [Noise Reduct.] to [Off].
 Image [Noise Reduct.] (P. 118)

The number of AF targets is reduced

The size and number of the AF target changes depending on the [Digital Tele-converter] (P. 88), [Image Aspect] (P. 54), and group target (P. 39) settings.

The date and time has not been set

The camera is used with the settings at the time of purchase

 The date and time of the camera is not set when purchased. Set the date and time before using the camera. Is "Setting the date/time" (P. 19)

The battery has been removed from the camera

• The date and time settings will be returned to the factory default settings if the camera is left without the battery for approximately 1 day. The settings will be canceled more quickly if the battery was only loaded in the camera for a short time before being removed. Before taking important pictures, check that the date and time settings are correct.

Set functions are restored to their factory default settings

When you rotate the mode dial or turn off the power in a shooting mode other than P, A, S, or M, functions with changes made to their settings are restored to the factory default settings.

Image taken appears whitish

This may occur when the picture is taken in backlight or semi-backlight conditions. This is due to a phenomenon called flare or ghosting. As far as possible, consider a composition where strong light source is not taken in the picture. Flare may occur even when a light source is not present in the picture. Use a lens hood to shade the lens from the light source. If a lens hood does not have effect, use your hand to shade the lens from the light. IS "Interchangeable lenses" (P. 149)

Unknown bright dot(s) appear on the subject in the picture taken

This may be due to stuck pixel(s) on the image pickup device. Perform [Pixel Mapping]. If the problem persists, repeat pixel mapping a few times. I represent the image processing functions" (P. 159)

Functions that cannot be selected from menus

Some items may not be selectable from the menus when using the arrow pad.

- · Items that cannot be set with the current shooting mode.
- Items that cannot be set because of an item that has already been set: Combinations of [Lin] (P. 46, 54) and [Noise Reduct.] (P. 118), etc.

The subject appears distorted

The following functions use an electronic shutter:

movie recording (P. 36), silent mode (P. 47), Pro Capture shooting (P. 48), High Res Shot (P. 48), focus bracketing (P. 94)

This may cause distortion if the subject is moving rapidly or the camera is moved abruptly. Avoid moving the camera abruptly during shooting or use standard sequential shooting. 8

Lines appear in photographs

The following functions use an electronic shutter, which may result in lines due to flicker and other phenomena associated with fluorescent and LED lighting, an effect that can sometimes be reduced by choosing slower shutter speeds:

movie recording (P. 36), silent mode (P. 47), Pro Capture shooting (P. 48), High Res Shot (P. 48), focus bracketing (P. 94)

Monitor indication	Possible cause	Corrective action
No Card	The card is not inserted, or it cannot be recognized.	Insert a card. Or reinsert the card properly.
Card Error	There is a problem with the card in slot 1.	Insert the card again. If the problem persists, format the card.
Card Error	There is a problem with the card in slot 2.	If the card cannot be formatted, it cannot be used.
Write Protect	Writing to the card in slot 1 is prohibited.	The card write-protect switch is set to the "LOCK" side. Release
Write Protect	Writing to the card in slot 2 is prohibited.	the switch. (P. 147)
Ŀ	The card is full. No more pictures can be taken or no more information such as print reservation can be recorded.	
Card Full	There is no space in the card and print reservation or new images cannot be recorded.	Replace the card or erase unwanted pictures.
[]	The card is full. No more pictures can be taken or no more information such as print reservation can be recorded.	Before erasing, download important images to a PC.
Card Full	There is no space in the card and print reservation or new images cannot be recorded.	

Error codes

Monitor indication	Possible cause	Corrective action
Card Setup Clean the contact area of the card with a dry cloth. Clean Card Clean Card Format Set 63	Card cannot be read. Card may not have been formatted.	 Select [Clean Card], press the and turn off the camera. Remove the card and wipe the metallic surface with a soft, dry cloth. Select [Format] > [Yes], and then press the
1 No Picture	There are no pictures on the card in slot 1.	The card in slot 1 contains no pictures. Record pictures and play back.
2 No Picture	There are no pictures on the card in slot 2.	The card in slot 2 contains no pictures. Record pictures and play back.
 Picture Error Picture Error Picture Error 	The selected picture cannot be displayed for playback due to a problem with this picture. Or the picture cannot be used for playback on this camera.	Use image processing software to view the picture on a PC. If that cannot be done, the image file is damaged.
1) The Image Cannot Be Edited	Pictures taken with another camera cannot be edited on this camera.	Use image processing software to edit the picture.
Cannot De Luted Cannot Print Cannot Print Cannot Print	Pictures taken with another camera cannot be printed on this camera.	Use image processing software to print the picture.

Monitor indication	Possible cause	Corrective action
₽ °C/°F		Turn off the camera and wait for the internal temperature to cool.
Internal camera temperature is too high. Please wait for cooling before camera use.	The internal temperature of the camera has risen due to sequential shooting.	Wait a moment for the camera to turn off automatically. Allow the internal temperature of the camera to cool before resuming operations.
Battery Empty	The battery is drained.	Charge the battery.
No Connection	The camera is not correctly connected to a computer, printer, HDMI display, or other device.	Reconnect the camera.
No Paper	There is no paper in the printer.	Load some paper in the printer.
No Ink	The printer has run out of ink.	Replace the ink cartridge in the printer.
Jammed	The paper is jammed.	Remove the jammed paper.
Settings Changed	The printer's paper cassette has been removed or the printer has been manipulated while making settings on the camera.	Do not manipulate the printer while making settings on the camera.
Print Error	There is a problem with the printer and/or camera.	Turn off camera and printer. Check the printer and remedy any problems before turning the power on again.
Cannot Print	Pictures recorded on other cameras may not be printed on this camera.	Use a personal computer to print.
The lens is locked. Please extend the lens.	The lens of the retractable lens stays retracted.	Extend the lens.
Please check the status of a lens.	An abnormality has occurred between the camera and the lens.	Turn off the camera, check the connection with the lens, and turn the power on again.

Menu directory

- *1: Can be added to [Assign to Custom Mode].
- *2: Default can be restored by selecting [Full] for [Reset].
- *3: Default can be restored by selecting [Basic] for [Reset].

C Shooting Menu

Tab		Function		Default	*1	*2	*3	R		
D,	Reset / Custom	Modes		-	1	~		86		
	Picture Mode			総 Natural	~	~	~	61, 88		
	0.€				~	~	~	55, 88		
	Image Aspect			4:3	~	~	~	54		
	Digital Tele-conv	/erter		Off	~	~	~	88		
	/Ś/₽			_	~	~	~	46, 54,		
		□/心			~	~	~	89		
		Intrvl. Sh./Tir	ne Lapse	Off						
		Number o	f Frames	99	1					
		Start Wait	ing Time	00:00:01	1					
		Interval Le	ength	00:00:01				90		
		Time Laps	se Movie	Off]	`	`	90		
		Movie Settings	Movie Resolution	FullHD						
			Frame Rate	10fps	1					
D 2	Bracketing			Off						91
_		AE BKT		3f 1.0EV				92		
			4–В Э–М	Off						
		FL BKT		Off	1					
		ISO BKT		Off				93		
		ART BKT	ART BKT							
		Focus BKT		Off						
		Focus Sta	icking	Off]			94		
		Set numb	er of shots	99	1 *	۲ I	`			
		Set focus differential		5]			94		
		🕻 Charge	e Time	0 sec	~	~				
	HDR			Off	~	~	~	49, 95		
	Multiple	Number of F	rames	Off						
	Exposure	Auto Gain		Off]	-	~	95		
	Laposule	Overlay		Off						
	Keystone Comp	-		Off	~	~	~	97		
		Anti-Shock [•]	[•] 0 sec						
		Silent [♥]		[♥] 0 sec	~	-				
	Anti-Shock [+]/	Noise Reduc		Off						
	Silent [♥]	Silent [♥] Mo	de Settings					98		
		■)))		Not Allow						
		AF Illumin		Not Allow	`	ľ				
		Flash Mod	de	Not Allow						

Tab		Function			*2	*3	R3
D 2	High Res Shot	High Res Shot	0sec				99
	riigh Res Onot	Charge Time	0 sec] `	ľ		33
	\$ RC Mode		Off	~	~	>	99, 153

🍄 Video Menu

Tab		Function	Default	*1	*2	*3	R
ĝ	P Mode		Р		~		
-	Specification		MOV∰4K 30p	~	~	•	102
	Settings	P Noise Filter	Normal	~	~	>	
		Picture Mode	Off	~	~		
	AF/IS	AF Mode	C-AF	~	~	~	43, 51,
	Settings	P Image Stabilizer	M-IS1	~	~	~	53, 100
	Button/Dial/Lo	ever					
		Fn] Function	AF Area Select		~		
		Fn2 Function	Multi Function		~		
		Function	REC		~		
		H Function	AEL/AFL		~		
		Sunction	Peaking		~		
		Function	Q		~		
		OI Function	101		~		
		⊲⊜⊳ Function	Direct Function		~		
	Button	Function	Electronic Zoom		~		
		Function	SISO/		~		
		Bin Function	AF Area Select		•		
		Bin2 Function	AEL/AFL		~		100
		∰ Function	Direct Function		~		
			Electronic Zoom		~		
		Env Function	SISO/		•		
		L-Fn Function	AF Stop		~		
		Ρ	Exposure 2/ Exposure 2		-		
	Dial Function	A	Exposure /FNo.		~		
		S	Exposure Z/Shutter		~		
		М	FNo./ Shutter		~		

Tab			Function	Default	*1	*2	*3	R ^a
ĝ		Prin Lever	Function	mode1		>		
-		🛱 Shutter Fi	unction	Q		~		100
		Elec. Zoo	m Speed	Normal		~		
	g	P Display Setti	ngs					
		Control Se	ettings	Live Control, Live SCP		-		
		Ƴ Info Settir	ngs	Custom1/ Custom2 (all on except for Movie Effect)		~		101
		Time Code	Time Code Mode	Drop Frame		-		
		Settings	Count Up	Rec Run		~		
			Starting Time	0:00:00		~		
		Display	Pattern	min	~	~		
	Μ	ovie 🖉	-	On	~	~	~	
		Recording	Built-in 😡	±0		~		
		Volume	MIC 🖉	±0		~		
		Q Volume Lir	niter	On		~		
		Wind Noise F	Reduction	Off		~		103
		Q Plug-in Po	wer	Off		~		100
		PCM	Camera Rec. Volume	Operative		~		
		Recorder 👲	Slate Tone	Off	~	~		
		Link Synchronized Rec.		Off	~	~		
		Headphone Volume		8	~	~		
	ģ	HDMI		Monitor Mode		~		101
		utput	REC Bit	Off	~	~		101
			Time Code	On	~	~		

8 Information

Playback Menu

Tab	Fund	ction		Default	*1	*2	*3	R3
		Start		—				
_		BGM		Party Time		~	~	1
	Ð	Slide		All	>	~	~	80
		Slide Interv	al	3 sec	~	~		1
		Movie Inter	val	Short	>	~		1
	أ			On	>	~	~	105
			RAW Data Edit	—				105
	F	Sel. Image	JPEG Edit	—				106
	Edit		Movie Edit	_				107
			Ų	—				83, 107
		Image Ove	rlay	_				107
	Print Order			_				144
	Reset Protect			—				108
	Copy All			—				108
	Connection to Smartph	ione		_				135

Y Setup Menu

Tab	Functio	n	Default	*1	*2	*3	R ²
ŕ	Card Setup		_				110
•	0		—	~			19
	\$3 *		English				109
	0		∬⁼ ±0, 🔅 ±0, Natural	>	۲		109
	Rec View		0.5 sec	>	>		109
		Wi-Fi Connect Settings	Private		•		137
	Wi-Fi Settings	Private Password	_				137
	WI-FI Settings	Reset share Order	—				138
		Reset Wi-Fi Settings	_				130
	Firmware		—				109

* Settings differ depending on the region where the camera is purchased.

Custom Menu

Tab		Fund	ction	Default	*1	*2	*3	R
☆	AF/	MF		·				
	A1	AF mode	9	S-AF	~	-	~	43, 51, 111
			S-AF	mode1				
		AEL/AFL	C-AF	mode2	~	-	~	111, 123
			MF	mode1				
		AF Scanner		mode2	~	~	~	
		C-AF Lock		±0	~	~	~	
		AF Limiter		Off	~	~ ~	~	
			Distance settings	Setting 1	~	-	~	111
			Pri. Rls	On	~	~	~	
		[/·/·//iii] Settings		All On	~	~	~	
		AF Area Pointer		On1	~	~	~	
	A2	AF Targeting		Off	~	~	~	
		[·:·] Set Hom		[∭]/•/⊹/₩], ф		~	~	
		[·:·] Custom	Settings	Set 1	~	~	~	
			\$	[==/•/+/==]	~	~	~	112
			₩ ◆	G	~	~	~	112
			\$	۰¢۰	~	-	~	
			4)	¢	~	~	~]
		AF Illuminate	or	On	~	~	~	1
		☺Face Prior	rity	୍ୱ	~	~		40, 112
		AF Focus Ac	lj.	Off	~	~	~	112
	A3	Preset MF d	istance	999.9 m	~	~	~	112
		MF Assist	Magnify	Off	~	~		110 101
		IVIF ASSIST	Peaking	Off	~	~		112, 124
		MF Clutch	· · · ·	Operative	~	~	~	
		Focus Ring		<u>с</u>	~	~	~	110
		Bulb/Time Fo	ocusing	On	~	-	~	112
		Reset Lens	-	On	~	~	~	1

Tab		Funct	ion	Default	*1	*2	*3	ß
☆	Butt	on/Dial/Lever						
.	В		Fn1 Function	AF Area Select				
			Fn2 Function	Multi Function				
			Function	REC				
			H Function	AEL/AFL				
			Sunction					
			Q Function	Ø				
			OI Function	101				
		Button	⊲⇔ Function	[]	_			66, 113
		Function	Function	4	~	~		00, 113
			 Function 					
			Bfn Function	AF Area Select				
				AEL/AFL				
				[:::]				
			BH ► Function	\$				
			BH▼ Function					
			L-Fn Function	AF Stop				
		I tock	·	Off	~	~		
			Р	Exposure 🔀, Ps				
			A	Exposure 🔀, FNo.				
		Dial	S	Exposure 🔀, Shutter				
		Function	М	FNo., Shutter	_ ~	~		113
			Menu	$\triangleleft D, \Delta \nabla / Value$				
			►	💽 Q, Prev/Next				
		Dial Direction	Exposure	Dial1				
		Dial Direction	Ps	Dial1	~	~		
		🗖 Fn Lever	Fn Lever Function	mode1		~		113, 124
		Settings	Switch Function	Off		•		110, 124
		Fn Lever/Pow	er Lever	Fn		>		113
		Elec. Zoor	m Speed	Normal	~	~		

Tab		Func	tion	Default	*1	*2	*3	R.
☆	Rele	ease/🆳/Imag	e Stabilizer					
	C1	RIs Priority S	-	Off	~	~	~	
		RIs Priority C		On	~	~	~	114
		L Settings	6	1				
			Max fps	10fps	~	~	~	
		/+	Frame Count Limiter	Off	•	•	~	
			Max fps	18fps	~	~	~]
		♥⊒	Frame Count Limiter	Off	~	~	~	114
			Max fps	18fps	>	~	~]
		Pro Cap	Pre-shutter Frames	8 shots	•	•	~	
			Frame Count Limiter	On, 25 shots	~	~	~	
				r				
			Max fps	15fps	~	~	~	
		/+	Frame Count Limiter	Off	~	~	~	
			Max fps	60fps	~	~	~	
		♥⊒	Frame Count Limiter	Off	~	~	~	114
			Max fps	60fps	~	~	~	
		Pro Cap	Pre-shutter Frames	14 shots	~	~	~	
			Frame Count Limiter	On, 25 shots	~	~	~	
	C2	Image Sta		S-IS AUTO	~	~	~	53, 114
		🖵 Image St		Fps Priority	~	~		
		Half Way RIs		On		~		114
		Lens I.S. Pric	ority	Off	~	~	~	
		o/∎)))/PC			1	r		
	D1	Control	IAUTO	Live Guide	~	~		445 405
		Settings	P/A/S/M	Live SCP	~	~		115, 125
		-	ART	Art Menu	~	~		
			► Info	Image Only, Overall All On	~	~	~	
		Settings	►Q Info LV-Info	Image Only, Custom1 (), Custom2 (Level Gauge)	-	~		115, 127
			Settings	25, My Clips, Calendar				
		Picture Mode		All On	×	~		
		□/ⓒ Setting	Ŭ	★□, □, □, □, ↓, ↓□, ↓ ඎ, ඎ, ඎ, ■, ᠅C, ᠅12s	~	-		115
		Multi Functior	n Settings	On for settings except 👑	~	~		

Tab		Funct	ion	Default	*1	*2	*3	R ³
*	D2		Manual		<u> </u>	-	-	•~*
¥			Shooting	On1				
		Live View	Bulb/Time	On2	1			
		Boost	Live	Off	~	~	~	115
			Composite	-				115
			Others	Off				
		Art LV Mode		mode1	~	~		
		Frame Rate		Normal	~	~	~	
		LV Close Up	LV Close Up Mode	mode2	~	~		
		Settings	Live View Boost	Off	~	~		116
			C Lock	Off	~	~		110
		Settings	Live View Boost	Off	~	~		
		Flicker reducti		Auto	~	~		
	D3		Display Color	Preset 1	~	~		
		Grid Settings	Displayed Grid	Off	~	~		
			Apply Settings to EVF	On	~	~		
			Peaking Color	Red				
		Peaking	Highlight Intensity	Normal				116
		Settings	Image Brightness Adj.	Off				
		Histogram	Highlight	255				
		Settings	Shadow	0	~	~		
		Mode Guide		Off	~	~		
		Selfie Assist		On		~		116, 129
	D4	■)))		On	~	~	~	117
			Output Size	1080p		~		
		номі	HDMI Control	Off		~		117, 130
			Output Frame Rate	60p Priority				
		USB Mode		Auto		~	~	117
		/ISO/BULB/ 🔝						
	EI	Exposure Shift	8 0 •	±0	~	-		
		EV Step		1/3EV				
		ISO Step		1/3EV	~	~	~	
		130 Step	Upper Limit /	High Limit: 6400 Default:	–	~	~	117
		ISO-Auto Set	Default	200	~	~	~	
			Lowest S/S Setting	Auto	~	~	~	
		ISO-Auto		All	~	~		
		Noise Filte		Standard	~	~	~	118
		Noise Reduct.		Auto	~	~	~	

8 Information

b	Fund	tion	Defa	ault	*1	*2	*3	B
• 🔁	Bulb/Time Ti	mer	8min		-	-	~	
	Bulb/Time M	onitor	-7		~	-		440
	Live Bulb		Off		-	-		118
	Live Time		0.5 sec		-	-		1
	Composite S	ettings	1 sec		~	~		30, 118
B	Metering				-	-	~	45, 51, 118
	AEL Meterin	g	Auto		~	~	~	
	[1] Creat	Spot	On		>	-	~	118
	[·:·] Spot Metering	Spot Highlight	On		~	~	~	110
	0	Spot Shadow	On		~	~	~	
	Custom							
E			1/250		~	~	~	118, 131
	Slow Limit		1/60		~	~	~	110, 131
	₩+ ₩		Off		~	-	~	39, 60, 118
	\$ +WB		WB AUTO		~	~		119
•	-/WB/Color		•					İ
G	∢∺ Set		€: •1 D F, €: •2 D N, €: •3 M N, €: •4 S N		~	-	~	
	Pixel Count	Middle Small	3200×2400 1280×960			-	~	119, 131
	Shading Cor		Off		~	-	~	119
	WB		Auto A±0, G±0			-	~	42, 52, 119
		All Set						119
	All WBIZ	All Reset			~	`		119
	AUTO Keep Wa		On		~		~	119
	Color Space		sRGB		,	,	v	65, 119
Re	cord/Erase		BITOD			•	v	00, 110
		Save Settings	Standard		~	-		
		Save Slot	1		~			1
	Card Slot	Save Slot	1		-	-		120, 132
	Settings	► Slot	1		-			1
		Assign Save	Do not assign		-	-		
		Folder			-			
	File Name		Reset					
	File Name Edit Filenam	e	Reset		~	~		120
	Edit Filenam	e	-	-	~	-		120
		-	– 350dpi		* *	~		120
	Edit Filenam dpi Settings	Copyright Info.	-	-	~	-		
	Edit Filenam	-	– 350dpi		* *	~		120 120

* [Reset] (Full) and [Reset] (Basic) do not reset the info for individual lenses.

8 Information

Tab		Funct	tion	Default	*1	*2	*3	ß
☆	H2	Quick Erase		Off	~	~	~	
		RAW+JPEG I	Erase	RAW+JPEG	>	~	~	121
		Priority Set		No	~	~	~	1
	EVF	-						
		EVF Auto Swi	itch	On		~		
		EVF Adjust	EVF Auto Luminance	On	•	-		121
			EVF Adjust	<u>§</u> ±0, ☆ ±0				
		EVF Style		Style 3		~		121, 133
		🖵 Info Settin	<u> </u>	Basic Information, Custom1 ((), Custom2 (level gauge)	•	~		
		EVF Grid	Display Color	Preset 1	•	~		121
		Settings	Displayed Grid		*	~		
		Half Way	Level	On	>	~		
	-	S-OVF		Off	~	~	~	
		Jtility Pixel Mapping						400.450
	J1	Pixel Mapping		—				122, 159
			End LV Q Reset LV Q Frame	0.7 sec 0.7 sec	>	~		
			End 12	0.7 sec	~	-		
			Reset 🔄	0.7 sec	•	~		
			Reset 🔀	0.7 sec	~	~		
			Reset 512	0.7 sec	~	~		1
			Reset 🖉	0.7 sec	>	~		1
			Reset 🕲	0.7 sec	>	~		1
		Press-and-	Reset [·:·]	0.7 sec	>	~		1
		hold Time	Call EVF Auto Switch	0.7 sec	>	~		122
			End 🕨 🔍	0.7 sec	>	~		122
			Switch 🕒	0.7 sec	>	~]
			Insert Slate Tone	0.7 sec	>	-		
			End 🐨	0.7 sec	~	~]
			Reset 🐨	0.7 sec	~	~]
			Switch	0.7 sec	>	~		
			Call BKT Settings	0.7 sec	>	~		
		Level Adjust		_		~		
		Touchscreen	Settings	On		~		
		Menu Recall		Recall	~	~		

Tab		Funct	ion	Default	*1	*2	*3	ß
*	J2	Battery	Battery Priority	PBH Battery	>	~		
.		Settings	Battery Status	—	>	~		
		Backlit LCD		Hold	>	>	~	
		Sleep		1min	>	~	~	
		Auto Power O	ff	4h	*	~	~	100
		Quick Sleep N	lode	Off				122
			Backlit LCD	8 sec	~	-		
			Sleep	10 sec				
		Eye-Fi		On		~		
		Certification		—				

Default Custom Mode options

Some functions in Custom Modes are preset to different settings from original default settings.

 Settings can be reset to the following settings by selecting [Full] for [Reset] (P. 86) in Shooting Menu 1.

Custom Mode C1

		Function		Custom Mode C1 options	R
AF t	arget	mode		All targets	39
D,		Ś/₽			90
.	0	()-		IN+RAW	55
*	AF/N	1F			
	A1	AF mode		C-AF	111
		AF Area Pointer		On2	111
	A2	AF Targeting Pad		On	112
	Disp	/ ■)))/PC			
	D2		Manual Shooting	On1	
		Live View Boost	Bulb/Time	On2	115
		Live view boost	Live Composite	Off] 115
			Others	On1	
		Frame Rate		High	115
	D3	Grid Settings	Display Color	Preset1	116
		Gilu Settiligs	Displayed Grid		110

Custom Mode C2

		Function		Custom Mode C2 options	R3
AF t	arget	mode		5-target group	39
AF t	arget	position		Center	40
D,		š/ D		Стори (pro capture H)	90
- 1	04	(-		∎N+RAW	55
*	AF/N	1F			
.	A1	AF mode		S-AF	111
	AU	AF Area Pointer		On1	111
	A2	AF Targeting Pad		On	112
	Disp	/ ■))) /PC			
	D2		Manual Shooting	On1	
		Live View Boost	Bulb/Time	On2	115
		Live view boost	Live Composite	Off] 115
			Others	On1	
		Frame Rate		High	115
	D3	Grid Settings	Display Color	Preset1	116
		Ond Gettings	Displayed Grid	—	110

Custom Mode C3

		Function		Custom Mode C3 options	ß
AF target mode				[•] (Single Target)	39
AF target position				Center	40
D,					90
1 ■1	∆ €			IN+RAW	55
*	AF/N	AF/MF			
	A1	AF mode		S-AF	111
		AF Area Pointer		On1	111
	A2	AF Targeting Pad		On	112
Disp/ ■))) /PC					
	D2	Live View Boost	Manual Shooting	On1	115
			Bulb/Time	On2	
			Live Composite	Off	
			Others	On2	
		Frame Rate		Standard	115
	D3	Grid Settings	Display Color	Preset1	116
			Displayed Grid		
	J2	Quick Sleep Mode		On	122

Specifications

■ Camera

Product type		
Product type	Digital camera with interchangeable Micro Four Thirds Standard lens system	
Lens	M.Zuiko Digital, Micro Four Thirds System Lens	
Lens mount	Micro Four Thirds mount	
Equivalent focal length on a 35 mm film camera	Approx. twice the focal length of the lens	
Image pickup device		
Product type	4/3" Live MOS sensor	
Total no. of pixels	Approx. 21.77 million pixels	
No. of effective pixels	Approx. 20.37 million pixels	
Screen size	17.3 mm (H) × 13.0 mm (V)	
Aspect ratio	1.33 (4:3)	
Viewfinder		
Туре	Electronic viewfinder with eye sensor	
No. of pixels	Approx. 2,360,000 dots	
Magnification	100%	
Eye point	Approx. 21 mm (-1 m ⁻¹)	
Live view		
Sensor	Uses Live MOS sensor	
Magnification	100%	
Monitor		
Product type	3.0" TFT color LCD, Vari-angle, touch screen	
Total no. of pixels	Approx. 1,040,000 dots (aspect ratio 3: 2)	
Shutter		
Product type	Computerized focal-plane shutter	
Shutter speed	1/8000 - 60 sec., bulb photography, time photography	
Auto focus		
Product type	Hi-Speed Imager AF	
Focusing points	121 points	
Selection of focusing point	Auto, Optional	
Exposure control		
Metering system	TTL metering system (imager metering) Digital ESP metering/Center weighted averaging metering/Spot metering	
Metered range	EV –2 - 20 (Equivalent to M.ZUIKO DIGITAL 17mm f2.8, ISO100)	
Shooting modes	fXUTO: iAUTO/ P : Program AE (Program shift can be performed)/ A : Aperture priority AE/ S : Shutter priority AE/ M : Manual/ C1 : Custom Mode C1/ C2 : Custom Mode C2/ C3 : Custom Mode C3/ W : Movie/ ART : Art Filter	
ISO sensitivity	LOW, 200 - 25600 (1/3, 1 EV step)	
Exposure compensation	±5.0EV (1/3, 1/2, 1EV step)	
White balance		
Product type	Image pickup device	
Mode setting	Auto/Preset WB (7 settings)/Customized WB/One-touch WB (camera can store up to 4 settings)	

Recording			
SD, SDHC, SDXC and Eve-Fi			
UHS-II compatible (slot 1)/UHS-I compatible (slot 2)			
Digital recording, JPEG (DCF2.0), RAW Data			
Exif 2.3, Digital Print Order Format (DPOF), PictBridge			
Wave format			
MPEG-4 AVC/H.264 / Motion JPEG			
Stereo, PCM 48kHz			
Single-frame playback/Close-up playback/Index display/Calendar display			
Single-frame shooting/Sequential shooting/Self-timer			
Up to 15 fps (➡ʰ) Up to 60 fps (♥➡ʰ/ఔə)			
Operation time: 12 sec./2 sec./Customized			
Switch to sleep mode: 1 minute, Power OFF: 4 hours (This function can be customized.)			
TTL-AUTO (TTL pre-flash mode)/MANUAL			
1/250 s or slower			
IEEE 802.11b/g/n			
II micro connector (type D)			
Lithium-ion Battery ×1			
134.1 mm (W) × 90.9 mm (H) × 68.9 mm (D) (5.3" × 3.6" × 2.7") (excluding protrusions)			
Approx. 574 g (1.3 lb.) (including battery and memory card)			
–10 °C - 40 °C (14 °F - 104 °F) (operation)/ –20 °C - 60 °C (–4 °F - 140 °F) (storage)			
30% - 90% (operation)/10% - 90% (storage)			
Type Equivalent to IEC Standard publication 60529 IPX1 (under OLYMPUS test conditions)			

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■ Flash

MODEL NO.	FL-LM3
Guide number	9.1 (ISO100•m) 12.7 (ISO200•m)
Firing angle	Covers the picture angle of a 12 mm lens (equivalent to 24 mm in 35 mm format)
Dimensions	Approx. 43.6 mm (W) × 49.4 mm (H) × 39 mm (D) (1.7" × 1.9" × 1.5")
Weight	Approx. 51 g (1.8 oz.)
Splash resistance	Type Equivalent to IEC Standard publication 60529 IPX1 (under OLYMPUS test conditions)

Lithium-ion battery

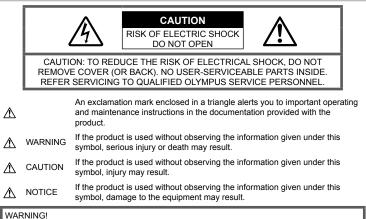
MODEL NO.	BLH-1
Туре	Rechargeable Lithium-ion battery
Nominal voltage	DC 7.4 V
Nominal capacity	1720 mAh
No. of charge and discharge times	Approx. 500 times (varies with usage conditions)
Ambient temperature	0 °C - 40 °C (32 °F - 104 °F) (charging)
Dimensions	Approx. 45 mm(W) × 20 mm(H) × 53 mm(D) (1.8" × 0.8" × 2.1")
Weight	Approx. 74 g (2.6 oz.)

Lithium-ion charger

MODEL NO.	BCH-1
Rated input	AC 100 V - 240 V (50/60 Hz)
Rated output	DC 8.4 V, 1100 mA
Charging time	Approx. 2 hours (room temperature)
Ambient temperature	0 °C - 40 °C (32 °F - 104 °F) (operation)/ -20 °C - 60 °C (-4 °F - 140 °F) (storage)
Dimensions	Approx. 71 mm(W) × 29 mm(H) × 96 mm(D) (2.8" × 1.1" × 3.8")
Weight (without AC cable)	Approx. 85 g (3.0 oz.)

- The AC cable supplied with this device is for use only with this device and should not be used with other devices. Do not use cables for other devices with this device.
 - SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT ANY NOTICE OR OBLIGATION ON THE PART OF THE MANUFACTURER.
 - · Visit our website for the latest specifications.

SAFETY PRECAUTIONS



TO AVOID THE RISK OF FIRE OR ELECTRICAL SHOCK, NEVER DISASSEMBLE, EXPOSE THIS PRODUCT TO WATER OR OPERATE IN A HIGH HUMIDITY ENVIRONMENT.

General Precautions

Read All Instructions - Before you use the product, read all operating instructions. Save all manuals and documentation for future reference.

Power Source — Connect this product only to the power source described on the product label.

Foreign Objects — To avoid personal injury. never insert a metal object into the product.

Cleaning — Always unplug this product from the wall outlet before cleaning. Use only a damp cloth for cleaning. Never use any type of liquid or aerosol cleaner, or any type of organic solvent to clean this product.

Heat - Never use or store this product near any heat source such as a radiator, heat register, stove, or any type of equipment or appliance that generates heat, including stereo amplifiers.

Attachments — For your safety, and to avoid damaging the product, use only accessories recommended by Olympus.

Location — To avoid damage to the product, mount the product securely on a stable tripod. stand, or bracket.

- · Do not use the camera near flammable or explosive gases.
- Rest your eyes periodically when using the viewfinder.

Failure to observe this precaution could result in eyestrain, nausea, or sensations similar to motion sickness. The length and frequency of the required rest varies with the individual: use your own judgement. If you feel tired or unwell, avoid using the viewfinder and if necessary consult a physician.

- Do not use the flash and LED (including AF illuminator) on people (infants, small children, etc.) at close range.
 - · You must be at least 1 m (3 ft.) away from the faces of your subjects. Firing the flash too close to the subject's eyes could cause a momentary loss of vision.
- · Do not look at the sun or strong lights with the camera.

9

SAFETY PRECAUTIONS

- Keep young children, infants away from the camera.
 - Always use and store the camera out of the reach of young children and infants to prevent the following dangerous situations which could cause serious injury:
 - Becoming entangled in the camera strap, causing strangulation.
 - Accidentally swallowing the battery, cards or other small parts.
 - Accidentally firing the flash into their own eyes or those of another child.
 - Accidentally being injured by the moving parts of the camera.
- Should you notice that the charger is emitting smoke, heat, or an unusual noise or smell, immediately cease use and unplug the charger from the power outlet, and then contact an authorized distributor or service center.
- Stop using the camera immediately if you notice any unusual odors, noise, or smoke around it.
 - Never remove the batteries with bare hands, which may cause a fire or burn your hands.
- Never hold or operate the camera with wet hands.

This may cause overheating, exploding, burning, electrical shocks, or malfunctions.

- Do not leave the camera in places where it may be subject to extremely high temperatures.
 - Doing so may cause parts to deteriorate and, in some circumstances, cause the camera to catch fire. Do not use the charger if it is covered (such as a blanket). This could cause overheating, resulting in fire.
- Handle the camera with care to avoid getting a low temperature burn.
 - When the camera contains metal parts, overheating can result in a lowtemperature burn. Pay attention to the following:
 - When used for a long period, the camera will get hot. If you hold on to the camera in this state, a lowtemperature burn may be caused.
 - In places subject to extremely cold temperatures, the temperature of the camera's body may be lower than the environmental temperature. If possible, wear gloves when handling the camera in cold temperatures.
- To protect the high-precision technology contained in this product, never leave the camera in the places listed below, no matter if in use or storage:

- Places where temperatures and/or humidity are high or go through extreme changes. Direct sunlight, beaches, locked cars, or near other heat sources (stove, radiator, etc.) or humidifiers.
- · In sandy or dusty environments.
- · Near flammable items or explosives.
- In wet places, such as bathrooms or in the rain.
- · In places prone to strong vibrations.
- The camera uses a lithium-ion battery specified by Olympus. Charge the battery with the specified charger. Do not use any other chargers.
- Never incinerate or heat batteries in microwaves, on hot plates, or in pressure vessels, etc.
- Never leave the camera on or near electromagnetic devices. This may cause overheating, burning, or exploding.
- Do not connect terminals with any metallic objects.
- Take precautions when carrying or storing batteries to prevent them from coming into contact with any metal objects such as jewelry, pins, fasteners, keys, etc.
 The short circuit may cause overheating, exploding, or burning, which burn or damage you.
- To prevent causing battery leaks or damaging their terminals, carefully follow all instructions regarding the use of batteries. Never attempt to disassemble a battery or modify it in any way, solder, etc.
- If battery fluid gets into your eyes, flush your eyes immediately with clear, cold running water and seek medical attention immediately.
- If you cannot remove the battery from the camera, contact an authorized distributor or service center. Do not try to remove the battery by force.

Damage to the battery exterior (scratches, etc.) may produce heat or an explosion.

- Always store batteries out of the reach of small children and pets. If they accidentally swallow a battery, seek medical attention immediately.
- To prevent batteries from leaking, overheating, or causing a fire or explosion, use only batteries recommended for use with this product.
- If rechargeable batteries have not been recharged within the specified time, stop charging them and do not use them.
- Do not use batteries with scratches or damage to the casing, and do not scratch the battery.

- Never subject batteries to strong shocks or continuous vibration by dropping or hitting. This may cause exploding, overheating, or burning.
- If a battery leaks, has unusual odor, becomes discolored or deformed, or becomes abnormal in any other way during operation, stop using the camera, and keep away from fire immediately.
- If a battery leaks fluid onto your clothing or skin, remove the clothing and flush the affected area with clean, running cold water immediately. If the fluid burns your skin, seek medical attention immediately.
- The Olympus lithium-ion battery is designed to be used only for the Olympus digital camera. Do not use the battery to other devices.
- Do not allow children or animals/pets to handle or transport batteries (prevent dangerous behaviour such as licking, putting in mouth or chewing).

Use Only Dedicated Rechargeable Battery and Battery Charger

We strongly recommend that you use only the genuine Olympus dedicated rechargeable battery and battery charger with this camera. Using a non-genuine rechargeable battery and/ or battery charger may result in fire or personal injury due to leakage, heating, ignition or damage to the battery. Olympus does not assume any liability for accidents or damage that may result from the use of a battery and/or battery charger that are not genuine Olympus accessories.

▲ CAUTION

- Do not cover the flash with a hand while firing.
- Never store batteries where they will be exposed to direct sunlight, or subjected to high temperatures in a hot vehicle, near a heat source, etc.
- Keep batteries dry at all times.
- The battery may become hot during prolonged use. To avoid minor burns, do not remove it immediately after using the camera.
- This camera uses one Olympus lithium-ion battery. Use the specified genuine battery. There is a risk of explosion if the battery is replaced with the incorrect battery type.
- Please recycle batteries to help save our planet's resources. When you throw away dead batteries, be sure to cover their terminals and always observe local laws and regulations.

- Do not use or store the camera in dusty or humid places.
- Use SD/SDHC/SDXC memory cards or Eye-Fi cards only. Never use other types of cards.

If you accidently insert another type of card into the camera, contact an authorized distributor or service center. Do not try to remove the card by force.

- Regularly back up important data to a computer or other storage device to prevent accidental loss.
- OLYMPUS accepts no liability for any loss of data associated with this device.
- Be careful with the strap when you carry the camera. It could easily catch on stray objects and cause serious damage.
- Before transporting the camera, remove a tripod and all other non-OLYMPUS accessories.
- Never drop the camera or subject it to severe shocks or vibrations.
- When attaching the camera to or removing it from a tripod, rotate the tripod screw, not the camera.
- · Do not touch electric contacts on cameras.
- Do not leave the camera pointed directly at the sun. This may cause lens or shutter curtain damage, color failure, ghosting on the image pickup device, or may possibly cause fires.
- Do not leave the viewfinder exposed to a strong light source or direct sunlight. The heat may damage the viewfinder.
- · Do not push or pull severely on the lens.
- Be sure to remove any water droplets or other moisture from the product before replacing the battery or opening or closing covers.
- Before storing the camera for a long period, remove the batteries. Select a cool, dry location for storage to prevent condensation or mold from forming inside the camera. After storage, test the camera by turning it on and pressing the shutter button to make sure that it is operating normally.
- The camera may malfunction if it is used in a location where it is subject to a magnetic/ electromagnetic field, radio waves, or high voltage, such as near a TV set, microwave, video game, loud speakers, large monitor unit, TV/radio tower, or transmission towers. In such cases, turn the camera off and on again before further operation.
- Always observe the operating environment restrictions described in the camera's manual.

- Insert the battery carefully as described in the operating instructions.
- Before loading, always inspect the battery carefully for leaks, discoloration, warping, or any other abnormality.
- Always unload the battery from the camera before storing the camera for a long period.
- When storing the battery for a long period, select a cool location for storage.
- Power consumption by the camera varies depending on which functions are used.
- During the conditions described below, power is consumed continuously and the battery becomes exhausted quickly.
 - · The zoom is used repeatedly.
 - The shutter button is pressed halfway repeatedly in shooting mode, activating the auto focus.
 - A picture is displayed on the monitor for an extended period of time.
 - · The camera is connected to a printer.
- Using an exhausted battery may cause the camera to turn off without displaying the battery level warning.
- If the battery's terminals get wet or greasy, camera contact failure may result. Wipe the battery well with a dry cloth before use.
- Always charge a battery when using it for the first time, or if it has not been used for a long period.
- When operating the camera with battery power at low temperatures, try to keep the camera and spare battery as warm as possible. A battery that has run down at low temperatures may be restored after it is warmed at room temperature.
- Before going on a long trip, and especially before traveling abroad, purchase extra batteries. A recommended battery may be difficult to obtain while traveling.

Using the wireless LAN function

 Turn off the camera in hospitals and other locations where medical equipment is present.

The radio waves from the camera may adversely affect medical equipment, causing a malfunction that results in an accident.

 Turn off the camera when onboard aircraft.

Using wireless devices onboard may hinder safe operation of the aircraft.

Monitor

 Do not push the monitor forcibly; otherwise the image may become vague, resulting in a playback mode failure or damage to the monitor.

- A strip of light may appear on the top/bottom of the monitor, but this is not a malfunction.
- When a subject is viewed diagonally in the camera, the edges may appear zigzagged on the monitor. This is not a malfunction; it will be less noticeable in playback mode.
- In places subject to low temperatures, the monitor may take a long time to turn on or its color may change temporarily.
 When using the camera in extremely cold places, it is a good idea to occasionally place it in a warm place. The monitor exhibiting poor performance due to low temperatures will recover in normal temperatures.
- The monitor of this product is manufactured with high-quality accuracy, however, there may be a stuck or dead pixel on the monitor. These pixels do not have any influence on the image to be saved. Because of the characteristics, the unevenness of the color or brightness may also be found depending on the angle, but this is due to the structure of the monitor. This is not a malfunction.

Legal and Other Notices

- Olympus makes no representations or warranties regarding any damages, or benefit expected by using this unit lawfully, or any request from a third person, which are caused by the inappropriate use of this product.
- Olympus makes no representations or warranties regarding any damages or any benefit expected by using this unit lawfully which are caused by erasing picture data.

Disclaimer of Warranty

- · Olympus makes no representations or warranties, either expressed or implied, by or concerning any content of these written materials or software, and in no event shall be liable for any implied warranty of merchantability or fitness for any particular purpose or for any consequential, incidental or indirect damages (including but not limited to damages for loss of business profits. business interruption and loss of business information) arising from the use or inability to use these written materials or software or equipment. Some countries do not allow the exclusion or limitation of liability for consequential or incidental damages or of the implied warranty, so the above limitations may not apply to you.
- Olympus reserves all rights to this manual.

Warning

Unauthorized photographing or use of copyrighted material may violate applicable copyright laws. Olympus assumes no responsibility for unauthorized photographing, use or other acts that infringe upon the rights of copyright owners.

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FCC Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.
- Only the OLYMPUS-supplied USB cable should be used to connect the camera to USB enabled personal computers.

FCC/IC Caution

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment has very low levels of RF energy that are deemed to comply without testing of specific absorption rate (SAR).

The available scientific evidence does not show that any health problems are associated with using low power wireless devices. There is no proof, however, that these low power wireless devices are absolutely safe. Low power Wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. Whereas high levels of RF can produce health effects (by heating tissue), exposure of low-level RF that does not produce heating effects causes no known adverse health effects. Many studies of low-level RF exposures have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research. IM002 has been tested and found to comply with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules

For customers in North America, Central America, South America and the Caribbean

Declaration of Conformity				
Model Number : IM002				
Trade Name : OLYMPUS				
Responsible Party : OLYMPUS AMERICA INC.				
Address : 3500 Corporate Parkway, P. O. Box 610, Center Valley, PA 18034-0610, USA				
Telephone Number : 484-896-5000				
Tested To Comply With FCC Standards				
FOR HOME OR OFFICE USE				
This device complies with Part 15 of FCC Rules and Industry Canada licence-exempt RSS standard(s).				
Operation is subject to the following two conditions:				
 This device may not cause harmful interference. 				
(2) This device must accept any interference received, including interference that may cause				
undesired operation.				

CAN ICES-3(B)/NMB-3(B)

OLYMPUS AMERICAS LIMITED WARRANTY -OLYMPUS AMERICA INC. PRODUCTS

Olympus warrants that the enclosed Olympus® imaging product(s) and related Olympus® accessories (individually a "Product" and collectively the "Products") will be free from defects in materials and workmanship under normal use and service for a period of one (1) year from the date of purchase.

If any Product proves to be defective within the one-year warranty period, the customer must return the defective Product to the authorized Olympus Repair Service Center designated by Olympus, following the procedure set forth below (See "WHAT TO DO WHEN SERVICE IS NEEDED").

Olympus, at its sole discretion, will repair, replace, or adjust the defective Product at Olympus's cost, provided that an Olympus investigation and factory inspection disclose that (a) such defect developed under normal and proper use and (b) the Product is covered under this limited warranty.

Repair, replacement, or adjustment of defective Products shall be Olympus's sole obligation and the customer's sole remedy hereunder. Repair or replacement of a Product shall not extend the warranty period provided herein, unless required by law.

Except where prohibited by law, the customer is liable and shall pay for shipment of the Products to the designated Olympus Repair Service Center. Olympus shall not be obligated to perform preventive maintenance, installation, deinstallation, or maintenance.

Olympus reserves the right to (i) use reconditioned, refurbished, and/or serviceable used parts (that meet Olympus's quality assurance standards) for warranty or any other repairs and (ii) make any internal or external design and/or feature changes on or to its products without any liability to incorporate such changes on or to the Products.

WHAT IS NOT COVERED BY THIS LIMITED WARRANTY

Excluded from this limited warranty and not warranted by Olympus in any fashion, either express, implied, or by statute, are:

- (a) products and accessories not manufactured by Olympus and/or not bearing the "OLYMPUS" brand label (the warranty coverage for products and accessories of other manufacturers, which may be distributed by Olympus, is the responsibility of the respective manufacturer of such products and accessories in accordance with the terms and duration of such manufacturers' warranties);
- (b) any Product which has been disassembled, repaired, tampered with, altered, changed, or modified by persons other than Olympus's own authorized service personnel unless repair by others is made with the written consent of Olympus;
- (c) defects or damage to the Products resulting from wear, tear, misuse, abuse, negligence, sand, liquids, impact, improper storage, nonperformance of scheduled operator and maintenance items, battery leakage, use of non-"OLYMPUS" brand accessories, consumables, or supplies, or use of the Products in combination with non-compatible devices;
- (d) software programs;
- (e) supplies and consumables (including but not limited to lamps, ink, paper, film, prints, negatives, cables and batteries); and/or

- (f) Products which do not contain a validly placed and recorded Olympus serial number, unless they are a model on which Olympus does not place and record serial numbers.
- (g) Products shipped, delivered, purchased, or sold from dealers located outside of North America, Central America, South America and the Caribbean; and/or
- (h) Products that are not intended or authorized to be sold in North America, South America, Central America, or the Caribbean (ie. Gray Market Goods).

WARRANTY DISCLAIMER; LIMITATION OF DAMAGES; AFFIRMATION OF ENTIRE WARRANTY AGREEMENT; INTENDED BENEFICIALLY

EXCEPT FOR THE LIMITED WARRANTY SET FORTH ABOVE, OLYMPUS MAKES NO AND DISCLAIMS ALL OTHER REPRESENTATIONS. GUARANTIES, CONDITIONS, AND WARRANTIES CONCERNING THE PRODUCTS, WHETHER DIRECT OR INDIRECT, EXPRESS OR IMPLIED, OR ARISING UNDER ANY STATUTE, ORDINANCE, COMMERCIAL USAGE OR OTHERWISE, INCLUDING BUT NOT LIMITED TO ANY WARRANTY OR REPRESENTATION AS TO THE SUITABILITY, DURABILITY, DESIGN, OPERATION. OR CONDITION OF THE PRODUCTS (OR ANY PART THEREOF) OR THE MERCHANTABILITY OF THE PRODUCTS OR THEIR FITNESS FOR A PARTICULAR PURPOSE, OR RELATING TO THE INFRINGEMENT OF ANY PATENT, COPYRIGHT, OR OTHER PROPRIETARY RIGHT USED OR INCLUDED THEREIN. IF ANY IMPLIED WARRANTIES APPLY AS A MATTER OF LAW. THEY ARE LIMITED IN DURATION TO THE LENGTH OF THIS LIMITED WARRANTY.

SOME STATES MAY NOT RECOGNIZE A DISCLAIMER OR LIMITATION OF WARRANTIES AND/OR LIMITATION OF LIABILITY SO THE ABOVE DISCLAIMERS AND EXCLUSIONS MAY NOT APPLY. THE CUSTOMER MAY ALSO HAVE DIFFERENT AND/OR ADDITIONAL RIGHTS AND REMEDIES THAT VARY FROM STATE TO STATE.

THE CUSTOMER ACKNOWLEDGES AND AGREES THAT OLYMPUS SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES THAT THE CUSTOMER MAY INCUR FROM DELAYED SHIPMENT, PRODUCT FAILURE, PRODUCT DESIGN, SELECTION, OR PRODUCTION, IMAGE OR DATA LOSS OR IMPAIRMENT OR FROM ANY OTHER CAUSE, WHETHER LIABILITY IS ASSERTED IN CONTRACT, TORT (INCLUDING NEGLIGENCE AND STRICT PRODUCT LIABILITY) OR OTHERWISE. IN NO EVENT SHALL OLYMPUS BE LIABLE FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES OF ANY KIND (INCLUDING WITHOUT LIMITATION LOSS OF PROFITS OR LOSS OF USE), WHETHER OR NOT OLYMPUS SHALL BE OR SHOULD BE AWARE OF THE POSSIBILITY OF SUCH POTENTIAL LOSS OR DAMAGE.

Representations and warranties made by any person, including but not limited to dealers, representatives, salespersons, or agents of Olympus, which are inconsistent or in conflict with or in addition to the terms of this limited warranty, shall not be binding upon Olympus unless reduced to writing and approved by an expressly authorized officer of Olympus. This limited warranty is the complete and exclusive statement of warranty which Olympus agrees to provide with respect to the Products and it shall supersede all prior and contemporaneous oral or written agreements. understandings, proposals, and communications pertaining to the subject matter hereof. This limited warranty is exclusively for the benefit of the original customer and cannot be transferred or assigned.

WHAT TO DO WHEN SERVICE IS NEEDED

The customer must contact the designated Olympus Consumer Support Team for your region to coordinate the submission of your Product for repair service. To contact your Olympus Consumer Support Team in your region please visit or call the following:

Canada:

www.olympuscanada.com/repair / 1-800-622-6372

United States:

www.olympusamerica.com/repair / 1-800-622-6372

Latin America:

www.olympusamericalatina.com

The customer must copy or transfer any image or other data saved on a Product to another image or data storage medium prior to sending the Product to Olympus for for repair service.

IN NO EVENT SHALL OLYMPUS BE RESPONSIBLE FOR SAVING, KEEPING OR MAINTAINING ANY IMAGE OR DATA SAVED ON A PRODUCT RECEIVED BY IT FOR SERVICE, OR ON ANY FILM CONTAINED WITHIN A PRODUCT RECEIVED BY IT FOR SERVICE, NOR SHALL OLYMPUS BE RESPONSIBLE FOR ANY DAMAGES IN THE EVENT ANY IMAGE OR DATA IS LOST OR IMPAIRED WHILE SERVICE IS BEING PERFORMED (INCLUDING, WITHOUT

9 SAFETY PRECAUTIONS

LIMITATION, DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES, LOSS OF PROFITS OR LOSS OF USE), WHETHER OR NOT OLYMPUS SHALL BE OR SHOULD BE AWARE OF THE POSSIBILITY OF SUCH POTENTIAL LOSS OR IMPAIRMENT.

The customer should package the Product carefully using ample padding material to prevent damage in transit. Once the Product is properly packaged, ship the package to Olympus or the Olympus Authorized Repair Service Center location as instructed by the respective Olympus Consumer Support Team.

When sending Products for repair service, your package should include the following:

- Sales receipt showing date and place of purchase. Handwritten receipts will not be accepted;
- Copy of this limited warranty bearing the Product serial number corresponding to the serial number on the Product (unless it is a model on which Olympus does not place and record serial numbers);
- 3) A detailed description of the problem; and
- Sample prints, negatives, digital prints (or files on disk) if available and related to the problem.

KEEP COPIES OF ALL DOCUMENTS. Neither Olympus nor an Olympus Authorized Repair Service Center will be responsible for documents that are lost or destroyed in transit.

When service is completed, the Product will be returned to you postage prepaid.

PRIVACY

Any information provided by you to process your warranty claim shall be kept confidential and will only be used and disclosed for the purposes of processing and performing warranty repair services.

For customers in Europe

Simple Declaration of Comformity

Hereby, OLYMPUS CORPORATION declares that the radio equipment type IM002 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: http://www.olympus-europa.com/



This symbol [crossed-out wheeled bin WEEE Annex IV] indicates separate collection of waste electrical and electronic equipment in the EU countries. Please do not throw the

equipment into the domestic refuse.

Please use the return and collection systems available in your country for the disposal of this product.

This symbol [crossed-out wheeled bin Directive 2006/66/EC Annex II] indicates separate collection of waste batteries in the EU countries.

Please do not throw the batteries into the domestic refuse. Please use the return and

collection systems available in your country for the disposal of the waste batteries.



Provisions of warranty

In the unlikely event that your product proves to be defective, although it has been used properly (in accordance with the written Instruction Manual supplied with it), during the applicable national warranty period and has been purchased from an authorized Olympus distributor within the business area of OLYMPUS EUROPA SE & Co. KG as stipulated on the website: http://www.olympus-europa.com, it will be repaired, or at Olympus's option replaced, free of charge. In order to enable Olympus to provide you with the requested warranty services to your full satisfaction and as fast as possible, please note the information and instructions listed below:

- To claim under this warranty please follow the instructions on http://consumer-service. olympus-europa.com for registration and tracking (this service is not available in all countries) or take the product, the corresponding original invoice or purchase receipt and the completed Warranty Certificate to the dealer where it was purchased or any other Olympus service station within the business area of OLYMPUS EUROPA SE & Co. KG as stipulated on the website: http://www.olympus-europa.com, before the end of the applicable national warranty period.
- 2. Please make sure your Warranty Certificate is duly completed by Olympus or an authorized dealer or Service center. Therefore, please make sure that your name, the name of the dealer, the serial number and the year, month and date of purchase are all completed or the original invoice or the sales receipt (indicating the dealer's name, the date of purchase and product type) is attached to your Warranty Certificate.
- 3. Since this Warranty Certificate will not be re-issued, keep it in a safe place.
- Please note that Olympus will not assume any risks or bear any costs incurred in transporting the product to the dealer or Olympus authorized service station.
- This Warranty does not cover the following and you will be required to pay a repair charge, even for defects occurring within the warranty period referred to above.
 - Any defect that occurs due to mishandling (such as an operation performed that is not mentioned in the Instruction Manual, etc.)
 - Any defect that occurs due to repair, modification, cleaning, etc. performed by anyone other than Olympus or an Olympus authorized service station.

- c. Any defect or damage that occurs due to transport, a fall, shock, etc. after purchase of the product.
- d. Any defect or damage that occurs due to fire, earthquake, flood damage, thunderbolt, other natural disasters, environmental pollution and irregular voltage sources.
- e. Any defect that occurs due to careless or improper storage (such as keeping the product under conditions of high temperature and humidity, near insect repellents such as naphthalene or harmful drugs, etc.), improper maintenance, etc.
- f. Any defect that occurs due to exhausted batteries, etc.
- Any defect that occurs due to sand, mud, water etc. entering the inside of the product casing.
- 6. Olympus's sole liability under this Warranty shall be limited to repairing or replacing the product. Any liability under the Warranty for indirect or consequential loss or damage of any kind incurred or suffered by the customer due to a defect of the product, and in particular any loss or damage caused to any lenses, films, other equipment or accessories used with the product or for any loss resulting from a delay in repair or loss of data, is excluded. Compelling regulations by law remain unaffected by this.

For customers in Thailand

This telecommunication equipment is in compliance with NTC requirements.

For customers in Mexico

The operation of this equipment is subject to the following two conditions:

(1) it is possible that this equipment or device may not cause harmful interference, and (2) this equipment or device must accept any interference, including interference that may cause undesired operation.

For customer in Singapore

Complies with IDA Standards DB104634

Trademarks

- Microsoft and Windows are registered trademarks of Microsoft Corporation.
- · Macintosh is a trademark of Apple Inc.
- SDXC Logo is a trademark of SD-3C, LLC.
- Eye-Fi is a trademark of Eye-Fi, Inc.
- "Shadow Adjustment Technology" function contains patented technologies from Apical Limited.



- Micro Four Thirds, Four Thirds, and the Micro Four Thirds and Four Thirds logos are trademarks or registered trademarks of the OLYMPUS CORPORATION in Japan, the United States, the countries of the European Union, and other countries.
- Wi-Fi is a registered trademark of the Wi-Fi Alliance.
- The Wi-Fi CERTIFIED logo is a certification mark of the Wi-Fi Alliance.



- The standards for camera file systems referred to in this manual are the "Design Rule for Camera File System/DCF" standards stipulated by the Japan Electronics and Information Technology Industries Association (JEITA).
- All other company and product names are registered trademarks and/or trademarks of their respective owners.

THIS PRODUCT IS LICENSED UNDER THE AVC PATENT PORTFOLIO LICENSE FOR THE PERSONAL AND NONCOMMERCIAL USE OF A CONSUMER TO (i) ENCODE VIDEO IN COMPLIANCE WITH THE AVC STANDARD ("AVC VIDEO") AND/OR (ii) DECODE AVC VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL AND NON-COMMERCIAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED TO PROVIDE AVC VIDEO. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION MAY BE OBTAINED FROM MPEG LA, L.L.C. SEE HTTP://WWW. MPEGLA.COM The software in this camera may include third party software. Any third party software is subject to the terms and conditions, imposed by the owners or licensors of that software, under which software is provided to you.

Those terms and other third party software notices, if any, may be found in the software notice PDF file stored at

http://www.olympus.co.jp/en/support/imsg/ digicamera/download/notice/notice.cfm

Additions/modifications by firmware update 10

The following functions are added/modified by firmware update.

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Additions/modifications by the firmware version 2.0

Information displays while shooting

Monitor display during still photography

The battery level icon has been modified.

Icon displays for Pro Capture shooting, Flicker Scan, and Fisheye Compensation shooting have been added.



 1) Battery level display
 3) Fisheye Compensation shooting ...P.194

 2) Pro Capture shooting.....P.192
 4) Flicker ScanP.194

Pro Capture shooting (buffering capacity increased)

[Pre-shutter Frames] in Pro Capture shooting (P.48) has been extended to up to 35 frames.

[Pre-shutter Frames] can be set in [ﷺ] of [🖳 L Settings] or [🖳 H Settings] (P. 114) in Custom Menu.

Pro Capture shooting (supported lenses added)

Lenses that support Pro Capture shooting (P.48) have been added. See the OLYMPUS website for information on the lenses that can be used with Pro Capture shooting.

10

Types of art filters ([Bleach Bypass] added)

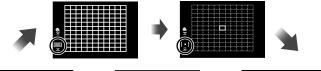
[Bleach Bypass] is added to the art filters (P. 33).

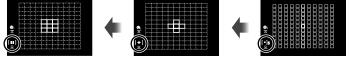
Bleach Bypass I/II	The "bleach bypass" effect, which you may recognize from motion pictures and the like, can be used to great effect in shots of
	streetscapes or metal objects.

"II" is an alternate version of the original (I).

AF target mode ([Small Target] added)

[Small Target] is added to the AF target mode (P. 39).





[IIII] (All Targets)	The camera automatically chooses from the full set of focus targets.		
[•] (Single Target)	You can choose a single AF target.		
[•]s (Small Target)	The AF target can be reduced in size.		
[] (5-Target Group)	The camera automatically chooses from the targets in the selected five-target group.		
[Ⅲ] (9-Target Group)	The camera automatically chooses from the targets in the selected nine-target group.		

▶ Q Default Setting

A zoom ratio setting for close-up image playback (P.79) has been added. The following option is added in the custom menus (**MENU** \rightarrow \Leftrightarrow \rightarrow **D**) (P.115).

Option	Description
	Choose the zoom ratio from [Recently], [Equally Value], [×2], [×3], [×5], [×7], [×10] or [×14]. When [Equally Value] is selected, 1:1 is displayed on the monitor.

Flicker Scan

This function lets you shoot images with less flicker from indoor LED lamps, by changing the shutter speed incrementally while you check the degree of flicker on the live-view display.

While Flicker Scan is activated, if you want to use shooting functions such as aperture adjustment or exposure compensation, press the **INFO** button to switch to another setting screen.

To return to the Flicker Scan screen, press the **INFO** button repeatedly until the screen switches.

- Using Zoom AF display (P.41) makes the degree of flicker easier to assess.
- The range of shutter speeds that can be set is smaller when Flicker Scan is activated.

During still image shooting

The following option is added in the custom menus (**MENU** $\rightarrow \Leftrightarrow \textcircled{2}$) (P.118). Flicker Scan is available during Silent [•] shooting, Pro Capture shooting, or High Res Shot when the mode dial is set to **S** or **M**.

Option Description		
	Set the option to [On], and use the front dial (\textcircled{O})/rear dial (\textcircled{O}) or $\Delta \nabla$ on the arrow pad to adjust the shutter speed until flicker is reduced.	

During movie recording

The following option is added in Video Menu (**MENU** \rightarrow Ω \rightarrow Ω **Mode Settings**) (P.100).

Flicker Scan is available when the mode dial is set to Ω , and Ω Mode is set to S or M.

Option	Description		
🛱 Flicker Scan	Set the option to [On], and use the front dial (\textcircled{S})/rear dial (\textcircled{S}) or $\triangle \nabla$ on the arrow pad to adjust the shutter speed until flicker is reduced.		

Fisheye Compensation

This function compensates for the distortion from a fisheye lens, allowing you to shoot images resembling those taken with a super-wide-angle lens.

This function can only be set when you attach a supported fisheye lens^{*1}. The following option is added in the custom menus (**MENU** \rightarrow \Rightarrow \Rightarrow \blacksquare) (P.122).

Option	Description
Fisheye Compensation	Set the option to [On], and press ▷ on the arrow pad to set the detailed options. The angle (1 to 3), and [On]/[Off] for 😭 🖝 Correction can be set.

*1 M.ZUIKO DIGITAL ED 8mm f1.8 Fisheye PRO supports this function (as of the end of February 2018).

Button Function

During still image shooting

The following options are added in the custom menus (MENU $\rightarrow \Rightarrow \Rightarrow \square \Rightarrow$ Button Function) (P.66).

Option	Description
Flicker Scan	 Press the button to activate Flicker Scan. To deactivate the function, press and hold down the button. Use the front dial ([®])/rear dial ([®]) or △ ∇ on the arrow pad to adjust the shutter speed. When [On] is selected, press the button again to switch the information display. Flicker Scan is available during Silent [v] shooting, Pro Capture shooting, or High Res Shot when the mode dial is set to S or M.
Fisheye Compensation	Press the button to activate Fisheye Compensation. Press the button again to cancel Fisheye Compensation. Use the front dial (\textcircled{O}) or rear dial (\textcircled{O}) while holding down the button to select the compensation level.

During movie recording

The following option is added in Video Menu (MENU $\rightarrow \cong \rightarrow \cong$ Button/Dial/Lever $\rightarrow \cong$ Button Function) (P.100).

Option	Description				
Flicker Scan	Press the button to activate Flicker Scan. To deactivate the function, press and hold down the button. Use the front dial ((\textcircled{O})/rear dial (\textcircled{O}) or $\Delta \nabla$ on the arrow pad to adjust the shutter speed. When [On] is selected, press the button again to switch the information display. • Flicker Scan is available when the mode dial is set to \textcircled{O} , and \vcenter{O} Mode is set to S or M .				

Default settings

The default settings for new functions and the modified default settings are as follows.

- *1: Can be added to [Assign to Custom Mode].
- *2: Default can be restored by selecting [Full] for [Reset].
- *3: Default can be restored by selecting [Basic] for [Reset].

🍄 Video Menu

T	ab		Function	Default	*1	*2	*3	R ^a
	3	P Mode	🍄 Mode	Р		~		102
À	£2 €	Settings	P Flicker Scan	Off	>	~	~	194

Custom Menu

Tab		Function	Default	*1	*2	*3	r B
*	D2	Q Default Setting	Recently	<	~		193
*	E2	Flicker Scan	Off	~	~	~	194

Additions/modifications by the firmware version 3.0

Viewfinder and Monitor Displays

Even while the monitor is in the open position, the camera uses the eye sensor to automatically switch between the monitor and viewfinder displays.

Types of art filters ([Instant Film] added)

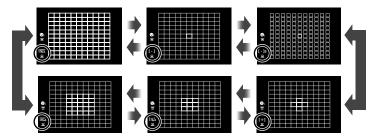
[Instant Film] has been added to the art filters (P.33).

A contemporary take on the shadow and skin tones typical of film. Instant Film

[Instant Film] has also been added to the picture modes (P.61) and ART BKT (P.93).

AF target mode ([25-Target Group] added)

[25-Target Group] has been added to the AF target mode (P.39).



Imal (All Targets)	The camera automatically chooses from the full set of focus targets.
[-] (Single Target)	You can choose a single AF target.
[•]s (Small Target)	The AF target can be reduced in size.
[+] (5-Target Group)	The camera automatically chooses from the targets in the selected five-target group.
[iງງ່າ] (9-Target Group)	The camera automatically chooses from the targets in the selected nine-target group.
(ﷺ's (25-Target Group)	The camera automatically chooses from the targets in the selected twenty-five-target group.

Exposure compensation in the manual mode

Exposure compensation adjustment using the exposure (button has been enabled in the manual mode.

To adjust the exposure compensation using the exposure (2) button, you must first assign [12] to a button using Button Function (P.66).

To adjust the exposure compensation with the button, select [ALL] for [ISO-Auto] (P.117) and [AUTO] for [ISO] (P.42, 51).

Use the front dial () or rear dial () while holding down the button to select a compensation value.

10

Program shift for shooting underwater

Program shift setting using the Conderwater wide/Underwater macro) button has been enabled.

To use the (Underwater wide/Underwater macro) button, you must first assign
([*/@] (Underwater wide/Underwater macro) to a button using Button Function (P.66).

Use the rear dial (^(Q)) while shooting underwater. "**s**" will be displayed next to **(**)/(**•**) on the display.

To cancel the program shift, rotate the dial in the opposite direction until "s" is no longer displayed.

ISO

For ISO sensitivity for still images (P.42, 51), [L100] and [L64] have been added as LOW options.

L64, L100, 200–25600	Choose a value for ISO sensitivity. ISO 200 offers a good balance between noise and dynamic range. Choose [L100] or [L64] for larger apertures (higher f-numbers) or slower shutter speeds. [L64] is equivalent to ISO 64, [L100] to ISO 100. • [L64] and [L100] are available at all exposure step values. • [L64] and [L100] reduce dynamic range.
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WB Compensation

When [CWB] (Custom white balance) is selected for WB (P.42, 52), WB Compensation (P.52) has been enabled.

AUTO Keep Warm Color

Wb Keep Warm Color setting using the **INFO** button has been enabled when WB is set to [AUTO], as well as in the custom menus (**MENU** → \Leftrightarrow → **G** → Wb Keep Warm Color).



Picture Mode

[$*_{22}$ OM-Log400] has been added to picture modes exclusively for movie recording. Priority is given to dynamic range for a tone curve suitable for color grading and other post-processing operations. These options are available for [Picture Mode] (P.61) when [On] is selected for [Ω Picture Mode] (P.100).

Flat Movies are recorded using a tone curve adapted to color gr	
ኛ∰₂ OM-Log400	Movies are recorded using a log tone curve for greater freedom during color grading.

• [Sharpness], [Contrast], [Saturation], and [Gradation] options are unavailable.

- [♀ ISO] is restricted to values of ISO 400 or above.
- LUT files are available for editing movies recorded using movie-only picture modes. Visit the OLYMPUS website for details.

Selecting Multiple Pictures

Selection of multiple pictures for protection has been enabled.

- When a marked image is displayed, you can hold the ● button (✓ button) and rotate the front or rear dial to deselect all images displayed while the dial is rotated. Any previously-unmarked images displayed while the dial is rotated will be unaffected.
- Perform the same operations using the AEL/AFL button (O-n button) to protect the pictures.
- The same operations can be performed during playback zoom or when a picture is selected in the index display.

Focus Stacking

A setting has been added that allows you to choose from 3 to 15 of shots for Focus Stacking (P.94).

A frame indicating the final crop will be shown on the display. Compose the shot with your subject inside the frame.



P Display Settings ([ટi͡龄 View Assist] added)

[$*_{i ≅}$ View Assist] has been added to the Video Menu (**MENU** → 𝔅 → 𝔅 **Display** Settings).

The display can be adjusted for ease of viewing when a movie-only picture mode option ($[\vec{*}_{21}^{*}]$ Flat] or $[\vec{*}_{22}^{*}]$ OM-Log400]) is selected.

Option	Description
	[On]: Adjust the picture for ease of viewing. The indicators in the display may change color.[Off]: Do not adjust the picture for ease of viewing.

- This option applies only to the display, not to the actual movie files.
- This option does not apply when movies recorded using [*** Flat] or [**** OM-Log400] are played back on the camera. It also does not apply when the movies are viewed on a TV.

10

AF+MF

 $[\bigcirc AF+MF]$ has been added to the Custom Menu (**MENU** $\rightarrow \Leftrightarrow \Rightarrow M$). Set whether to enable or disable manual focusing in the auto focusing mode. When [On] is selected, you can switch from auto to manual focusing at will, or fine-tune the focus manually using the lens focus ring after auto focusing.

Option	Description
CAF+MF	 [On]: Enable manual focus adjustment in autofocus mode. MF is displayed next to [S-AF], [C-AF], or [C-AF+TR]. [Off]: Manual focus adjustment disabled during autofocus.

- The default setting is [Off]. To display [S-AF ME], [C-AF ME], or [C-AF+TR ME], select [On].
- Autofocus with manual focus is also available when autofocus is assigned to other camera controls. ISS [AEL/AFL] (P.123)
- When [BULB], [LIVE TIME], or [LIVECOMP] is selected, manual focusing during exposure operates according to the [Bulb/Time Focusing] setting.
- The lens focus ring can be used to interrupt autofocus only when M.ZUIKO PRO (Micro Four Thirds PRO) lenses or M.ZUIKO DIGITAL ED 12-200mm F3.5-6.3 are used. For information on other lenses, visit the OLYMPUS website.

AF Mode ([C-AFME] and [C-AF+TRME] added)

[C-AFM] and [C-AF+TRM] have been added to [AF Mode] (P.43) Manual focus adjustment is enabled. Manual focus is available when [On] is selected for [AF+MF] in A Custom Menu [(P.199).

C-AFMF/C- AF+TRMF (Simultaneous use of C-AF mode and	You can switch to manual focus while the camera is focusing in continuous AF and continuous tracking AF modes. Press the shutter button halfway a second time to refocus using autofocus. Focus can also be adjusted manually while the shutter is open and during burst
MF mode)	photography in [Sequential Low] mode.

Cluster AF targeting

Cluster AF targeting has been enabled when [S-AF] is chosen for [AF Mode].

To enable cluster AF targeting when [IIII (all targets) is selected and [S-AF], [S-AF [III], [C-AF], or [C-AF [III]] is chosen for [IIII] AF Mode] (P.43), select [On2] for [AF Area Pointer] (P.111). The camera will display AF targets for all areas that are in focus.



C-AF Center Start

[\square C-AF Center Start] has been added to the Custom Menu (**MENU** \rightarrow \Rightarrow \Rightarrow \blacksquare).

Option	Description
C-AF Center Start	When used in combination with an AF-target mode other than single target, [C-AF], [C-AF+TR], [C-AF ME] and [C-AF+TR ME] focus on the center of the selected group only during the initial scan. During later scans, the camera will focus using the surrounding targets. Combining this option with an AF-target mode that covers a wide area makes it easier to focus on erratically-moving subjects.

- Center start is enabled in modes indicated by a ◀.
- Center start does not take effect when [CAF Center Priority] (P.200) is enabled.

C-AF Center Priority

[CAF Center Priority] has been added to the Custom Menu (MENU → ☆ → M).

Option	Description
C-AF Center Priority	When focusing using group-target AF in [C-AF] and [C-AF M] modes, the camera always assigns priority to the center target in the selected group for a repeated series of focus operations. Only if the camera is unable to focus using the center focus target will it focus using the surrounding targets in the selected focus group. This helps you track subjects that are moving quickly but relatively predictably. Center priority is recommended in most situations.

Center priority is enabled in modes indicated by a ◀.

Anti-Flicker Shooting

[Anti-Flicker Shooting] in the Custom Menu has been moved from \mathbb{D} to \mathbb{C} (MENU $\rightarrow \mathbb{C} \rightarrow \mathbb{C}$).

The following options have been modified or added.

Option	Description
Flicker Reduction	[Anti-Flicker LV]: Reduce flicker under fluorescent lighting and the like. Choose this option if flicker makes the display difficult to view.
	[Anti-Flicker Shooting]: You may notice uneven exposure in photos taken under flickering light. When this option is enabled, the camera will detect the flicker frequency and adjust the timing of the shutter release accordingly. This feature applies to photos taken with the mechanical shutter.
	• A R icon appears in the display when [On] is selected.
	 This option does not take effect in modes that use the electronic shutter, including silent modes, High Res Shot, and Pro Capture modes. The camera may be unable to detect flicker at some settings. Normal release timing will be used if flicker is not detected. Normal release timing is used at slow shutter speeds. Enabling flicker reduction may cause release lag, slowing the frame advance rate during burst photography

Live View Boost

When [Live View Boost] in the Custom Menu (**MENU** $\rightarrow \Rightarrow \textcircled{D}$) is set to [On2], you can choose [Frame Rate Priority] or [Quality Priority].

Frame Rate	Frame rate has priority.
Priority	Colors may be slightly off, or the image quality may drop.
Quality Priority	Image quality has priority. The displayed frame rate will drop when lighting is poor.

Low ISO Processing

[\square Low ISO Processing] has been added to the Custom Menu (**MENU** $\rightarrow \Leftrightarrow \rightarrow \blacksquare$). Choose the type of processing applied to photographs taken at low ISO sensitivities.

Option	Description
Low ISO Processing	[Drive Priority]: Image processing is adapted so as not to curtail the number of pictures that can be taken in a single burst. [Detail Priority]: Image processing prioritizes image quality.

Frame-by-frame playback of still images

When [Caracterized Save Settings] (P.54) is set to [Auto Switch], the camera automatically switches between the last photo on the first memory card and the first photo on the second card.

Operations while writing to a card

Playback and setting changes have been enabled while writing to a card.

Operations during RAW data editing in Olympus Workspace

When editing RAW data in the Olympus Workspace (Ver. 1.1 or later), high-speed processing using the camera engine has been enabled.

When you connect the USB cable to the camera, select [PC RAW] on the destination selection screen.

Additions/modifications by firmware update 10

Menu directory

- *1: Can be added to [Assign to Custom Mode].
- *2: Default can be restored by selecting [Full] for [Reset].
- *3: Default can be restored by selecting [Basic] for [Reset].

The menu directory has been changed as follows due to additional functions.

🍄 Video Menu

Tab		Function	Default	*1	*2	*3	R ^a
ĝ	Mode	😭 Mode	Р		~		102
	Settings	🛱 Flicker Scan	Off	~	~	~	194
	Specificatio	_n ≌ €	MOV 鉛 4K 30p	~	~	-	102
	Settings	P Noise Filter	Normal	~	~	~	102
		Picture Mode	Off	~	~		
	AF/IS	AF Mode	C-AF	~	~	~	43,
	Settings	P Image Stabilizer	M-IS1	-	-	-	51, 53, 100
	Button/Dial	Lever					
βΞ		Fin Function	AF Area Select		~		
		Fn2 Function	Multi Function		~		
		Function	REC		~		
		H Function	AEL/AFL		~		
		Function	Peaking		~		
		Function	Q		~		
		OI Function	101		~		
		⊲⇔ Function	Direct Function		~		
	Button	Function	Electronic Zoom		~		100
		Function	SISO/		~		
		BFn1 Function	AF Area Select		~		
		B-Fn2 Function	AEL/AFL		~		
		Entroperation €	Direct Function		~		
		Entroperation €	Electronic Zoom		~		
		En ▼ Function	ISO/ ₩B		~		
		L-Fn Function	AF Stop		~		

Tab		Function	Default	*1	*2	*3	R ³
Ê		Р	Exposure 2/ Exposure		~		
	요 Dial Function	A	Exposure Z/FNo.		~		
		S	Exposure		~		100
		м	FNo./ Shutter		~		
	Prin Lever		mode1		~		
	P Shutter Fi		9		~		
	Elec. Zoo		Normal		~		
	P Display Setti	ings					
	Control S	ettings	Live Control, Live SCP		~		
	Ƴ Info Settir	ngs	Custom1/ Custom2 (all on except for Movie Effect)		>		101
	Time Code	Time Code Mode	Drop Frame		~		
	Settings	Count Up	Rec Run		~		
		Starting Time	0:00:00		~		
	Display	Pattern	min	~	~		
	🏹 🎇 View As	sist	Off		~		198
	Movie Q		On	~	~	~	
	Recording	Built-in Q	±0		~		
	Volume	MIC 🖉	±0		~		
	ୟୁ Volume Lir	niter	On		~		
	Wind Noise F	Reduction	Off		~		103
	Q Plug-in Po	wer	Off		~		103
	PCM	Camera Rec. Volume	Operative	1	~		
	Recorder Q	Slate Tone	Off	~	~		
	Link	Synchronized Rec.	Off	~	~		
	Headphone \	/olume	8	~	~		
	🛱 НДМІ	Output Mode	Monitor Mode		~		101
	Output	REC Bit	Off	~	~		101
		Time Code	On	~	~		

Additions/modifications by firmware update

Custom Menu

Tab		Func	tion	Default	*1	*2	*3	R ^a
☆	AF/	MF						
	A1	AF mode		S-AF	-	•	٢	43, 51, 111, 199
		AF+MF		Off	~	~	~	199
			S-AF	mode1				
		AEL/AFL	C-AF MF	mode2 mode1	~	~	~	111, 123
		AF Scanner		mode2				
		C-AF Lock		±0	~	~	~	111
		C-AF LOCK		[IIII (All Targets)		~	~	
		C-AF Center Priority		5, 9, or 25 targets		, v	~	200
	A2	C-AF Center Priority		All On	~	1 J	~ ~	
	حتقا	AF Area Pointer		On1	v	v	,	111
		AF Targeting		Off	Ŭ	,	,	
		[·:·] Set Home		AF Target Mode, AF Target Point		~	~	
		[·:·] Custom S	Settings	Set 1	~	~	~	
			2	[·:·]Mode	~	~	~	112
			¥	0	~	~	~	
			\$	¢ Pos	~	~	~	
			4)	¢ Pos	~	~	~	
Ì	A3	AF Limiter		Off	~	~	~	
			Distance settings	Setting 1	~	-	•	111
			Pri. Rls	On	~	~	~	
		AF Illuminato	r	On	~	~	~	112
		③Face Priori	ty	୍ୱ	*	~		40, 112
		AF Focus Adj		Off	~	~	~	112
Í	A4	Preset MF dis	stance	999.9 m	~	~	~	112
		MF Assist	Magnify	Off	~	~		112,
		IVIF ASSIST	Peaking	Off	~	~		124
		MF Clutch	·	Operative	~	~	~	
		Focus Ring		<u>ې</u>	~	~	~	112
		Bulb/Time Fo	cusing	On	~	~	~	112
		Reset Lens		On	~	~	~	

* The function name "[III/•/+/III] Settings" has been changed to "[+:-] Mode Settings."

Tab		Funct	ion	Default	*1	*2	*3	R ²
*	Butt	on/Dial/Lever		•				
•	В		Fn1 Function	AF Area Select				
			Fn2 Function	Multi Function	1			
			Function	REC]			
			Eunction	AEL/AFL				
			Function					
			Q Function	0				
			OI Function					
		Button	d⇔ Function	[<u>[::]</u>				66,
		Function	Function	4] *	ľ		113
			 Function 	<u> 国/心</u>				
				AF Area Select				
			Image: Function	[····]				
			BH ► Function	4				
			BH▼ Function	<u> □/ů</u>				
			L-Fn Function	AF Stop				
		I tock	-	Off	~	~		
			P	Exposure 🔀, Ps	4			
			A	Exposure 🔀, FNo.	-			
		Dial	S	Exposure 🔀, Shutter	4			
		Function	M	FNo., Shutter	`	~		113
			Menu	$\triangleleft \triangleright, \Delta \nabla / \text{Value}$	-			
			►	💽 Q, Prev/Next				
		Dial Direction	Exposure	Dial1				
		Dial Direction	Ps	Dial1	`	~		
		🗖 Fn Lever	Fn Lever Function	mode1		~		113,
		Settings	Switch Function	Off		~		124
		Fn Lever/Pow		Fn		~		113
		Elec. Zoor	n Speed	Normal	~	~		115

Tab		Func	tion	Default	*1	*2	*3	ß
⋫		ease/🖳/Imag						
•	C 1	RIs Priority S		Off	~	~	~	114
		RIs Priority C		On	~	~	~	114
		L Settings	6	•				
			Max fps	10fps	~	~	~	
		/+	Frame Count Limiter	Off	•	•	۲	
			Max fps	18fps	~	~	~	
		♥⊒	Frame Count Limiter	Off	-	-	•	114
			Max fps	18fps	~	~	~	
		Pro Cap	Pre-shutter Frames	8 shots	-	-	•	
			Frame Count Limiter	On, 25 shots	-	-	~	
		H Settings		·				
			Max fps	15fps	~	~	~	
			Frame Count Limiter	Off	~	~	•	
			Max fps	60fps	~	>	 	
		♥⊒	Frame Count Limiter	Off	~	~	•	114
			Max fps	60fps	~	~	~	
		Pro Cap	Pre-shutter Frames	14 shots	~	~	•	
			Frame Count Limiter	On, 25 shots	~	~	•	
		Flicker	Anti-Flicker LV	Auto	~	>		
		reduction	Anti-Flicker Shooting	Off	~	~		201
	C 2	🗖 Image St	abilizer	S-IS AUTO	~	~	•	53, 114
		🖵 Image St	abilization	Fps Priority	~	~		
		Half Way RIs	With IS	On		~		114
		Lens I.S. Pric	ority	Off	~	•	>	
		p/■))/PC	•					
	D1	Control	iAUTO	Live Guide	~	~		115.
		Settings	P/A/S/M	Live SCP	~	•	\square	115,
			ART	Art Menu	~	~		120
			Info	Image Only, Overall	~	~	~	
		/Info	▶Q Info	All On		~		115.
		Settings	LV-Info	Image Only, Custom1 (), Custom2 (Level Gauge)	~	~		127
			Settings	25, My Clips, Calendar	~	~		
		Picture Mode	Settings	All On	~	~		
		교/ⓒ Settin	gs	♥	~	-		115
		Multi Functio	n Settings	On for settings except 🔢	~	~		

Additions/modifications by firmware update 10



Tab		Funct	ion	Default	*1	*2	*3	R ²
*	D2		Manual	On1				
			Shooting					
		Live View	Bulb/Time	On2				
		Boost	Live	Off	ľ	Ť	Ť	115,
			Composite	0#	-			201
		Art LV Mode	Others	Off mode1				
		Frame Rate		Normal	~	~		
			LV Close Up		–	`	~	
		LV Close Up Settings	Mode Live View	mode2	~	~		116
		Settings	Boost	Off	-	~		
		► Q Default		Recently	-			193
			C Lock	Off	1.	v		
		Settings	Live View	-	1			116
			Boost	Off	~	~		
	D3		Display Color	Preset 1	~	~		
		Grid Settings	Displayed Grid	Off	~	~		
			Apply Settings to EVF	On	~	~		
			Peaking Color	Red				
		Peaking	Highlight Intensity	Normal				116
		Settings	Image Brightness Adj.	Off				
		Histogram	Highlight	255				
		Settings	Shadow	0	٦٢	~		
		Mode Guide		Off	~	~		
		Selfie Assist		On		~		116, 129
	D4	■)))		On	~	~	 	117
			Output Size	1080p		*		
		ндмі	HDMI Control	Off		~		117,
			Output Frame Rate	60p Priority				130
		USB Mode		Auto		~	~	117
	Exp	/ISO/BULB/ 🛃						
	61	EV Step		1/3EV	~	~	~	
		ISO Step		1/3EV	~	~	~	
		ISO-Auto Set	Upper Limit / Default	High Limit: 6400 Default: 200	~	~	•	117
			Lowest S/S Setting	Auto	~	~	٢	
		ISO-Auto		All	~	~		
		Noise Filte		Standard	~	~	~	118
		Low ISO F		Drive Priority	~	~	~	202
		Noise Reduct	-	Auto	~	~	~	118

Tab	1	Funct	tion	Defa	ault	*1	*2	*3	R ²
☆	E 2	Bulb/Time Tin	ner	8min		~	~	~	
		Bulb/Time Mo	nitor	-7		~	~		118
		Live Bulb		Off		~	~		110
		Live Time		0.5 sec		>	~		
		Composite Se	ettings	1 sec			-		30, 118
		Flicker Sci	an	Off		~	>	~	194
	B	AEL Metering Auto			~	~	~	45, 51, 118	
				Auto		~	~	~	
				On		~	~	~	118
		[·:·] Spot Metering	Spot Highlight	On		~	~	~	110
		wetening	Spot Shadow	On		~	~	~	
		Exposure Shift	8 0 •	±0		>	~		117
	40	Custom							
	E	\$X-Sync.		1/250		~	~	~	118,
		Slow Limit		1/60		~	~	~	131
		₩+ ₩		Off		~	~	~	39, 60, 118
		\$ +WB		WB AUTO		~	~		119
	€∷ ,	/WB/Color						-	
	G	∢: - Set		€: -1 □ F, €: -2 □ N, €: -4 ⑤ N	∎N, ∢∺ -3	~	~	-	119,
		Pixel Count	Middle Small	3200×2400 1280×960		•	-	~	131
		Shading Com	p.	Off		~	~	~	119
		WB		Auto	A±0, G±0	~	~	~	42, 52, 119
		AII WB12	All Set All Reset	-	-	~	~		119
	AUTO Keep Warm Color		On		•	-	~	119, 197	
		Color Space		sRGB		•	~	~	65, 119



Tab		Funct	tion	Default	*1	*2	*3	B
☆	Rec	ord/Erase						
	HD		Save Settings	Standard	~	~		
		Card Slot	Save Slot	1	•	~		120.
		Settings	P Save Slot	1	>	~		120, 132
		Cettings	 Slot 	1	•	~		102
			Assign Save Folder	Do not assign	•	~		
		File Name		Reset	~	~		
		Edit Filename		_	>	>		120
		dpi Settings		350dpi	٢	*		
			Copyright Info.	Off	~	~		
		Copyright	Artist Name	—				120
		Settings	Copyright Name	—				120
		Lens Info Set	tings*	Off		~		120, 132
	H2	Quick Erase		Off	•	•	>	
		RAW+JPEG I	Erase	RAW+JPEG	•	~	~	121
		Priority Set		No	~	~	~	
	EVF	-						
		EVF Auto Swi	itch	On		*		
		EVF Adjust	EVF Auto Luminance	On	~	-		121
			EVF Adjust	∬ ±0, ☆ ±0				
		EVF Style		Style 3		~		121, 133
		🖵 Info Settin	igs	Basic Information, Custom1 (), Custom2 (level gauge)	~	~		
		EVF Grid	Display Color	Preset 1	~	~		101
		Settings	Displayed Grid	Off	~	~		121
		Half Way	Level	On	~	~		
		S-OVF		Off	~	~	~	

* [Reset] (Full) and [Reset] (Basic) do not reset the info for individual lenses.

Tab		Funct	ion	Default	*1	*2	*3	R ²
☆	9	Utility						
	J1	Pixel Mapping	1	_				122,
								159
			End LV Q	0.7 sec	~	~		
			Reset LV Q Frame	0.7 sec	~	-		
			End 🔄	0.7 sec	~	~		
			Reset '⊐, Frame	0.7 sec	~	~		
			Reset 🔀	0.7 sec	~	~		
			Reset 52	0.7 sec	~	~		
			Reset 🗹	0.7 sec	~	~		
			Reset 🕲	0.7 sec	~	~		
			Reset [····]	0.7 sec	~	~		
		Press-and- hold Time	Call EVF Auto Switch	0.7 sec	~	~		
			End ► Q	0.7 sec	~	~		122
			Switch :-/	0.7 sec	~	~		122
			Insert Slate Tone	0.7 sec	~	-		
			End 🐨	0.7 sec	~	~		
			Reset 🐨	0.7 sec	~	~		
			Switch Lock	0.7 sec	~	~		
			Call BKT Settings	0.7 sec	~	-		
			End Flicker Scan	0.7 sec	~	-		
		Level Adjust	·	—		~		
		Touchscreen S	Settings	On		~		
		Menu Recall		Recall	~	~		
		Fisheye Com	pensation	Off	~	~		
	J2	Battery	Battery Priority	PBH Battery	~	~		
		Settings	Battery Status	_	~	~		
		Backlit LCD		Hold	~	~	~	
		Sleep		1min	~	~	~	
		Auto Power O		4h	~	~	~	122
		Quick Sleep N		Off				122
			Backlit LCD	8 sec	-	-		
			Sleep	10 sec				
		Eye-Fi		On		~		
		Certification		—				

Additions/modifications by the firmware version 3.2

EVF Auto Switch

The Custom Menu (**MENU** $\rightarrow \Rightarrow \Rightarrow \square \rightarrow [EVF Auto Switch])$ now offers a choice of [On1] and [On2].

Option	Description
EVF Auto Switch	[Off]: The viewfinder display does not light automatically when you put your eye to the viewfinder. Press the O button to switch between the viewfinder and monitor displays.
	[On1]: The viewfinder display lights automatically when you put your eye to the viewfinder. Pressing the O button displays [EVF Auto Switch] options.
	[On2]: Putting your eye to the viewfinder turns the viewfinder display on only if the monitor is closed. Pressing the O button displays [EVF Auto Switch] options.

Default settings

The default settings for new functions and the modified default settings are as follows.

- *1: Can be added to [Assign to Custom Mode].
- *2: Default can be restored by selecting [Full] for [Reset].
- *3: Default can be restored by selecting [Basic] for [Reset].

Custom Menu

Tab	Function	Default	*1	*2	*3	R3
⋫	EVF Auto Switch	On1		>		121

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adjustment)	109
(Index display)	79
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macro)	iter 68
	iter 68
macro)	iter 68 82
 (Underwater wide/Underwater wide/	iter 68 82 112 112
 / (Underwater wide/Underwater wid	iter 68 82 112 112 118
 (Underwater wide/Underwater wide/	iter 68 82 112 112 118
 []/● (Underwater wide/Underwater wide/Underwater wide/Underwater wide/Underwaterwater) [] (Single-frame erase) [] Custom Settings [] Set Home [] Set Home [] Spot Metering [] P (Camera control) [] (Inguage) 	tter 68 82 112 112 118 117 109
 / (Underwater wide/Underwater wide/Underwaterwide/Underwid	tter 68 82 112 112 118 117 109 67
 / (Underwater wide/Underwater wid	tter 68 82 112 112 118 117 109 67
 (Underwater wide/Underwater wide/Underwater wide/Underwaterwide/Underwide/Unde	tter 68 82 112 112 118 117 109 67 82
 (Underwater wide/Underwater wide/Underwater wide/Underwaterwater wide/Underwaterwaterwide/Underwaterwaterwide/Underwaterwaterwide/Underwaterwaterwide/Underwaterwaterwide/Underwaterwaterwide/Underwaterwaterwide/Underwaterwaterwide/Underwide/Und	tter 68 82 112 112 118 117 109 67 82 111
 (Underwater wide/Underwater wide/Underwater wide/Underwaterwater wide/Underwaterwaterwaterwaterwaterwaterwaterwat	tter 68 82 112 112 118 117 109 67 82 111 40
 (Underwater wide/Underwater wide/Underwater wide/Underwaterwide/Underwide	tter 68 82 112 112 118 117 67 67 82 111 40 105
 (Underwater wide/Underwater wide/Underwater wide/Underwaterwater wide/Underwaterwaterwide/Underwaterwaterwide/Underwaterwaterwide/Underwaterwaterwide/Underwaterwaterwide/Underwaterwaterwide/Underwaterwaterwide/Underwaterwaterwide/Underwide/Underwid	tter 68 82 112 112 118 117 67 82 81 40 105 121
 []/● (Underwater wide/Underwater macro)	tter 68 82 112 112 118 117 67 67 67
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