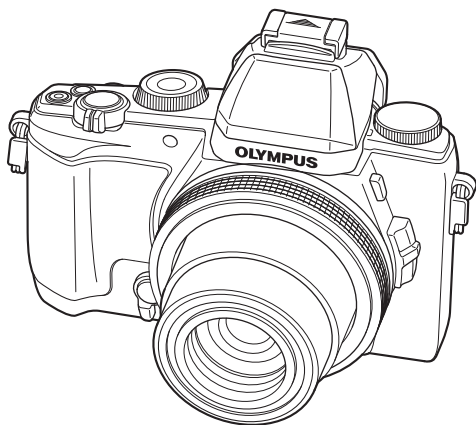


OLYMPUS

DIGITAL CAMERA

STYLUS 1





Instruction Manual



- 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.
- The contents in this manual are based on firmware version 1.0 for this camera. 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.

Indications used in this manual

The following symbols are used throughout this manual.

 Cautions	Warns of operations that should be absolutely avoided. Also important information on factors which may lead to a malfunction or operational problems.
 Notes	Points to note when using the camera.
 Tips	Useful information and hints that will help you get the most out of your camera.
	Reference pages describing details or related information.

Unpack the box contents

The following items are included with the camera.

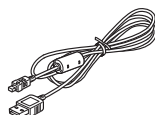
If anything is missing or damaged, contact the dealer from whom you purchased the camera.



Camera



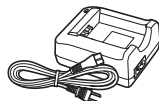
Strap



USB cable
(CB-USB8)



Lithium ion battery
(BLS-5)



Lithium ion charger
(BCS-5)

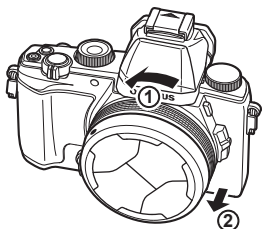
- Computer software CD-ROM
- Instruction manual
- Warranty card

■ Automatic lens cap

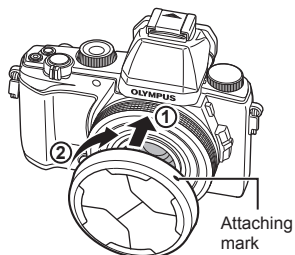
The automatic lens cap is removable.

When attaching the conversion lens and the other lenses, remove the automatic lens cap.

- Removing

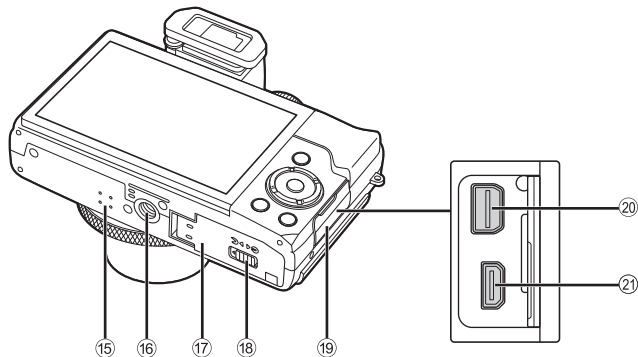
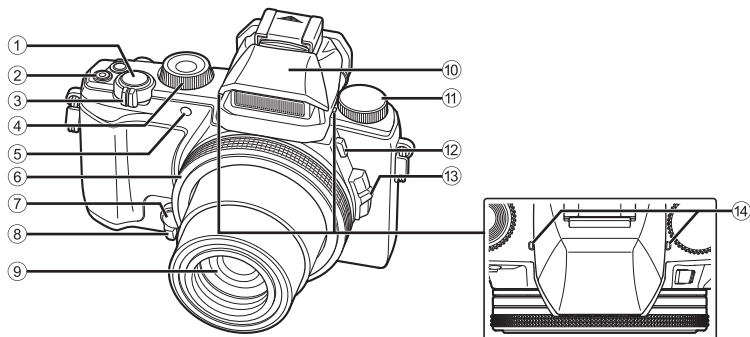


- Attaching



Attach the lens cap so that the attaching mark ● turns up.

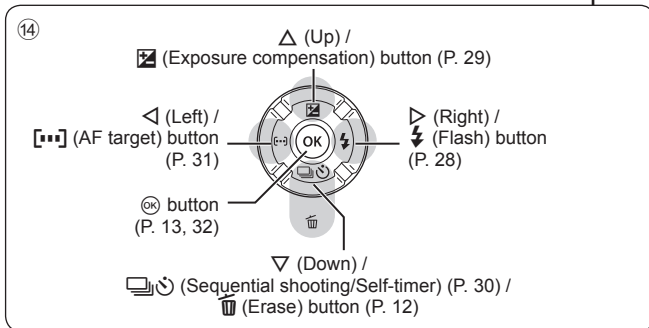
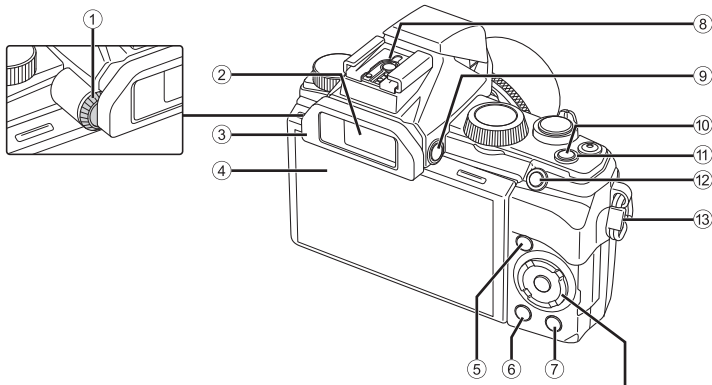
Names of parts



- | | |
|---|---|
| ① Shutter buttonP. 10, 39 | ⑪ Mode dialP. 10, 16 |
| ② (Movie) button/ button
.....P. 13/P. 12 | ⑫ Flash switchP. 28 |
| ③ Zoom leverP. 10, 11 | ⑬ Side zoom leverP. 70 |
| ④ Sub dial ¹ ()P. 11, 20 | ⑭ Stereo microphone |
| ⑤ Self-timer lamp/AF illuminator
.....P. 30/P. 68 | ⑮ SpeakerP. 13 |
| ⑥ Control ring ² ()
.....P. 12, 17 - 20, 31, 70 | ⑯ Tripod socket |
| ⑦ Fn2 buttonP. 70 | ⑰ Battery/card compartment cover.....P. 7 |
| ⑧ LeverP. 17 - 20, 31, 68 | ⑱ Battery/card compartment lockP. 7 |
| ⑨ Lens | ⑲ Connector cover |
| ⑩ Built-in flashP. 28 | ⑳ Multi-connectorP. 80, 82, 86 |
| | ㉑ HDMI micro connector (Type D).....P. 80 |

¹ In this manual, the icon represents operations performed using the sub dial.

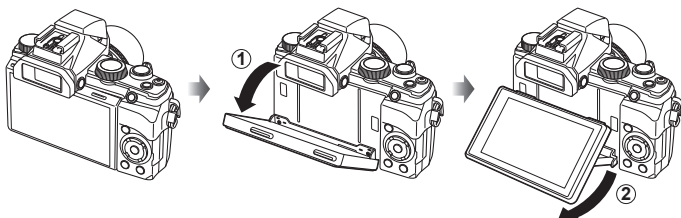
² In this manual, the icon represents operations performed using the control ring.



- | | |
|--|--|
| ① Diopter adjustment dialP. 10 | ⑧ Hot shoe P. 90 - 91 |
| ② ViewfinderP. 10, 42, 76 | ⑨ <input type="checkbox"/> buttonP. 76 |
| ③ EyecupP. 90 | ⑩ ON/OFF buttonP. 8, 10, 42 |
| ④ Monitor (Touch screen) ... P. 14 - 15, 42 - 43 | ⑪ Indicator lamp |
| ⑤ <input type="rightsquare"/> (Playback) buttonP. 11 | ⑫ Fn buttonP. 12, 68 |
| ⑥ MENU buttonP. 46, 57, 60, 69 | ⑬ Strap eyeletP. 6 |
| ⑦ INFO (Information display) button
.....P. 14, 15, 78 | ⑭ Arrow padP. 11 |

Using the monitor

You can adjust the angle of the monitor.



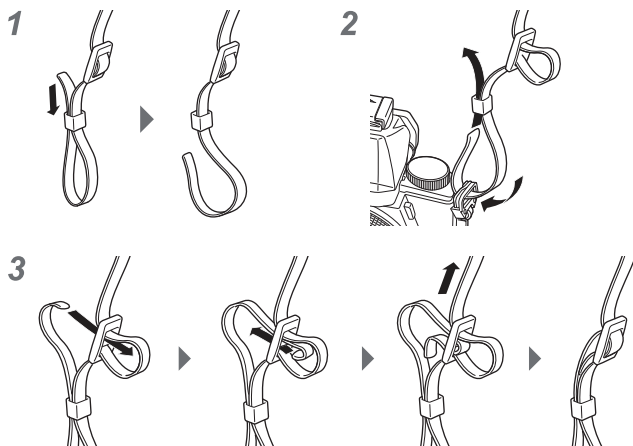
1

Preparations for shooting

1

Preparations for shooting

Attaching the camera strap



- Attach the strap to the other eyelet in the same manner.
- Pull the strap tight so that it does not come loose.

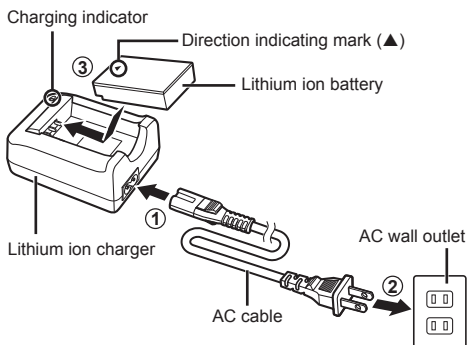
Charging the battery

1 Charging the battery.

■ Charging indicator

	BCS-5
Charging in progress	Lights orange
Charging complete	Off
Charging error	Blinks orange

(Charging time: Up to approximately 3.5 hours)



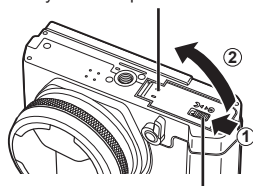
⚠ Cautions

- Unplug the charger when charging is complete.

Inserting and removing the battery and card

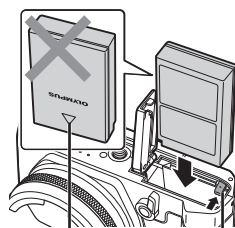
- 1 Follow Steps ① and ② to open the battery/card compartment cover.
- Turn off the camera before opening the battery/card compartment cover.

Battery/card compartment cover




Battery/card compartment lock

- 2 Insert the battery while sliding the battery lock knob in the direction of the arrow.
- Insert the battery as illustrated with the direction indicating mark toward the back side of the camera.
 - Slide the battery lock knob in the direction of the arrow to unlock, and then remove the battery.

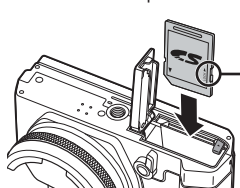


Direction indicating mark

Battery lock knob

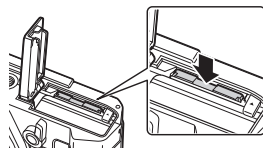
- 3 Insert the card straight until it clicks into place.
- Always use SD/SDHC/SDXC cards or Eye-Fi card with this camera. Do not insert other types of memory cards.  "Using the card" (P. 100)
 - Do not touch the metallic parts of the card directly.

Write-protect switch

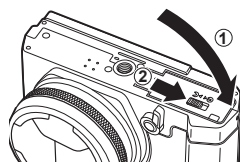


To remove the card

Press the card in until it clicks and comes out slightly, then remove the card.



- 4 Follow Steps ① and ② to close battery/card compartment cover.
- When using the camera, be sure to close the battery/card compartment cover.

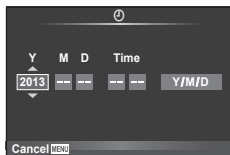


Turning on the camera and making the initial settings

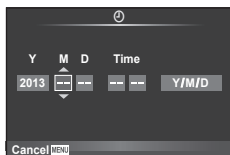
When you turn on the camera for the first time, a screen appears enabling to set the language for the menus and messages displayed in the monitor, and the date and time.

- 1 After turning the camera on with the **ON/OFF** button, select a language using $\Delta \nabla \triangleleft \triangleright$ and press the OK button.

- 2 Use $\Delta \nabla$ to select the year for [Y].



- 3 Press \triangleright to save the setting for [Y].

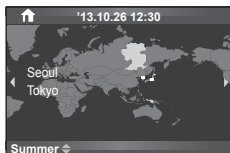


- 4 As in Steps 2 and 3, use $\Delta \nabla \triangleleft \triangleright$ to set [M] (month), [D] (day), [Time] (hours and minutes), and [Y/M/D] (date order), and then press the OK button.

- For precise time setting, press the OK button as the time signal strikes 00 seconds.

- 5 Use $\triangleleft \triangleright$ to select the [\uparrow] time zone and then press the OK button.

- Use $\Delta \nabla$ to turn daylight saving time ([Summer]) on or off.



Camera sleep operation

If no operations are performed for the time set, the camera enters "sleep" (stand-by) mode. In this mode, the monitor turns off and all actions are canceled. The camera activates again when you touch any button (the shutter button, ▶ button, etc.). The camera will turn off automatically if left in sleep mode for 5 minutes. Turn the camera on again before use.

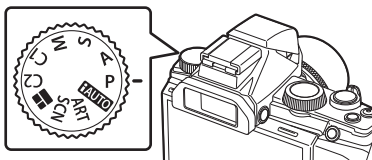
2 Using basic functions

Taking photographs

- 1 Press the **ON/OFF** button to turn on the camera.

When the camera is turned on, the monitor will turn on.

- 2 Set the mode dial to **P**.



- 3 Frame the shot.

The viewfinder turns on and the monitor turns off automatically when you put your eye to the viewfinder.

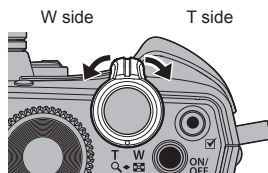
- When holding the camera, take care not to cover the flash, microphone or other important parts with your fingers, etc.



You can also shoot with viewing the back monitor. "Shooting through the monitor" (P. 42)

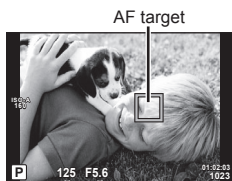
Using the zoom

Turning the zoom lever adjusts the shooting range.



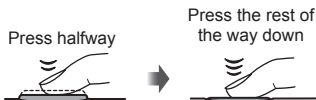
- 4 Press the shutter button halfway down to focus.

The camera was unable to focus if the AF target mark flashes red. Try focusing again.



Shutter speed Aperture value

- 5 To take the picture, gently press the shutter button all the way down while being careful not to shake the camera.




- If the display in the viewfinder looks blurry, look through the viewfinder and rotate the diopter adjustment dial (P. 5) until the display is in sharp focus.
- You can also take photographs using the touch screen. "Shooting using touch panel" (P. 43)

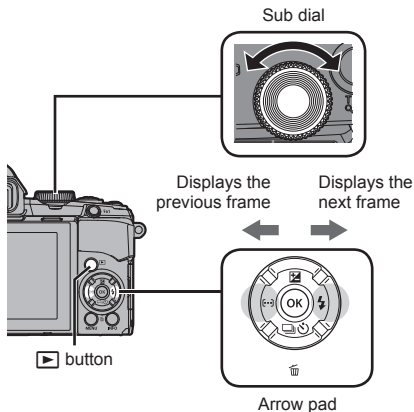
Viewing/Erasing still images

Turn on the camera.

Viewing photographs

Press the  button.

- Your most recent photograph is displayed.
- Press  or turn the sub dial to select an image.






You can view later frames and earlier frames using the touch screen.

- Drag the screen to left to advance one frame, and drag the screen to right to rewind one frame.






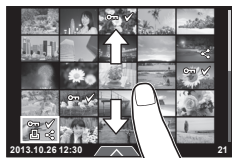
Index display

- In single-frame playback, turn the zoom lever to W for Index playback.
- Use    to move the cursor.
- Turn the zoom lever to T for single-frame playback.



Tap  to display Index playback.

- Slide your finger up to view the next page, down to view the previous page.
- Tap the monitor to display the menu.
- Use  or  to choose the number of images displayed.
- For single-frame playback, tap  until the current image is displayed full frame.
- Tap an image to view it full frame.



Close-up playback

- In single-frame playback, turn the zoom lever to T to zoom in up to 14x; turn to W to return to single-frame playback.
- You can also use the control ring to change the magnification strength.
- Use your finger to scroll the display when the picture is zoomed in.
- Double tap the screen for playback zoom.
- Slide the zoom bar to change the magnification strength.
- To return the first magnification, slide the zoom bar to the lowest position.



Erasing still images

Display an image you want to delete and press ∇ (🗑️). Select [Yes] and press \odot .



Protecting images

Protect images from accidental deletion. Display an image you wish to protect and press the **[Fn]** button; a **🔒** (protect) icon will appear on the image. Press the **[Fn]** button again to remove protection.



⚠️ Cautions

- Formatting the card erases all images even if they have been protected.

Erasing and protecting selected images

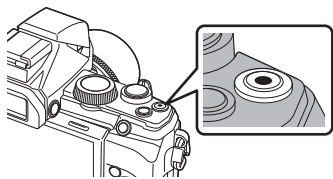
Select multiple pictures for protection or deletion. Press the **[✓]** button to select the current picture. Selected pictures are marked with **✓**. To remove **✓** and deselect the picture, press the **[✓]** button again. Press \odot to display the delete or protect selection menu.



Recording movies

Turn on the camera.

- 1 Set the mode dial to **P**.
- 2 Press the **⊙** button to begin recording.



- 3 Press the **⊙** button again to end recording.



Displayed during recording

Recording time

- 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.

Movie playback

Turn on the camera.

- 1 Press the **▶** button.
- 2 Press **<|>** or turn the sub dial to select the movie, and press the **⊙** button.

- 3 Select **[Movie Play]** and press **⊙** to begin playback.

- Press the **⊙** button to pause, and press the MENU button to end the playback.

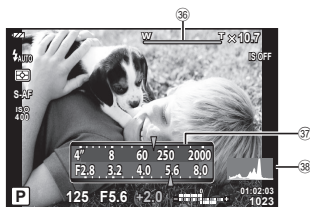
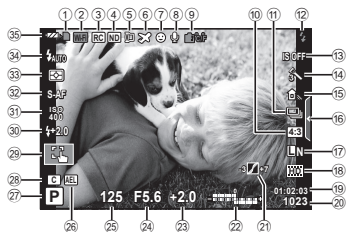
Pausing

- Press the **<|>** to display previous frame or next frame.
- Press the **Δ ▽** to display the first frame or the last frame.
- Press the **⊙** button to resume.

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



Monitor display during shooting



- ① Card write indicator
- ② Connection to SmartphoneP. 64
- ③ ⚡ RC ModeP. 28, 90
- ④ ND Filter SettingP. 41
- ⑤P. 53
- ⑥ Digital Tele-converterP. 77
- ⑦ World Time.....P. 60
- ⑧ Face priorityP. 40
- ⑧ Movie soundP. 75
- ⑨ Internal temperature warningP. 93
- ⑩ Aspect ratioP. 36, 50
- ⑪ Sequential shooting/self-timerP. 30
- ⑫ Flash (blinks: charging in progress)P. 28
- ⑬ Image stabilizer.....P. 33
- ⑭ Art filterP. 21
- ⑭ Scene mode.....P. 21
- ⑭ Picture mode.....P. 33, 48
- ⑮ White balanceP. 34
- ⑯ Live guide recall.....P. 26
- ⑰ Record mode (still images).....P. 37, 101
- ⑱ Record mode (movies)P. 37
- ⑲ Available recording timeP. 101
- ⑳ Number of storable still picturesP. 101
- ㉑ Highlight&ShadowP. 44
- ㉒ Top: Flash intensity controlP. 38
Bottom: Exposure compensation indicator.....P. 29
- ㉓ Exposure compensation value.....P. 29
- ㉔ Aperture valueP. 10, 17–20
- ㉕ Shutter speedP. 10, 17–20
- ㉖ AELP. 77
- ㉗ Shooting mode.....P. 16–26
- ㉘ C Mode Setup.....P. 47
- ㉙ Touch screen modeP. 43
- ㉚ Flash intensity controlP. 38
- ㉛ ISO sensitivityP. 40
- ㉜ AF modeP. 39
- ㉝ Metering mode.....P. 38
- ㉞ Flash mode.....P. 28
- ㉟ Battery check
 Lit up (green) : Ready for use
 (displayed for about ten seconds after the camera is turned on)
 Lit up (green) : Battery is running low
 Blinks (red) : Charging required
- ㊱ Zoom barP. 10
- ㊲ Control ring function.....P. 103
- ㊳ HistogramP. 14

Press the **INFO** button to choose the information displayed when shooting.



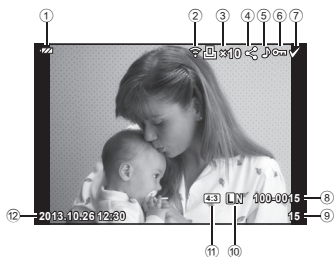
By changing the settings of /Info Settings] (P. 68) in the custom menu, [Highlight&Shadow], [Level Gauge 1], and [Level Gauge 2] can be displayed.

Histogram display

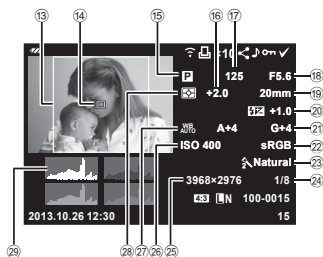
Displays a histogram showing the distribution of brightness in the image. The horizontal axis gives the brightness, the vertical axis the number of pixels of each brightness in the image. Areas above the upper limit at shooting are displayed in red, those below the lower limit in blue, and the area metered using spot metering in green.

Monitor display during playback

Simplified display



Overall display



- ① Battery check
- ② Eye-Fi upload completeP. 76
- ③ Print reservation
- ④ Number of printsP. 85
- ④ Share OrderP. 64
- ⑤ Sound recordP. 55, 59
- ⑥ ProtectP. 12
- ⑦ Image selectedP. 12
- ⑧ File number
- ⑨ Frame number
- ⑩ Record modeP. 36, 50, 101
- ⑪ Aspect ratioP. 36, 50, 58
- ⑫ Date and timeP. 8, 61
- ⑬ Aspect borderP. 36, 50, 58
- ⑭ AF targetP. 31

- ⑮ Shooting modeP. 16–26
- ⑮ Exposure compensationP. 29
- ⑮ Shutter speedP. 10, 17–20
- ⑮ Aperture valueP. 10, 17–20
- ⑮ Focal lengthP. 10, 90
- ⑮ Flash intensity controlP. 38
- ⑮ White balance compensationP. 74
- ⑮ Color spaceP. 74
- ⑮ Picture modeP. 33, 48
- ⑮ Compression rateP. 37, 75, 101
- ⑮ Pixel countP. 37, 75, 101
- ⑮ ISO sensitivityP. 40
- ⑮ White balanceP. 34
- ⑮ Metering modeP. 38
- ⑮ HistogramP. 14

The **INFO** button can be used to choose the information displayed during playback.



By changing the settings of [INFO/Info Settings] (P. 68) in the custom menu, [INFO] and [Highlight&Shadow] can be displayed.

Using the shooting modes

List of shooting mode

Shooting mode	Sub mode
i AUTO (iAUTO mode)	—
P (Program mode)	—
A (Aperture-priority mode)	—
S (Shutter-priority mode)	—
M (Manual mode)	—
C1 (Custom Mode 1)	—
C2 (Custom Mode 2)	—
 (PHOTO STORY)	Standard/Fun Frames
SCN (Scene Mode)	Portrait/ e-Portrait/ Landscape/ Sport/ Night Scene/ Night+Portrait/ Sunset/ Documents/ Panorama/ Fireworks/ Multi. Exposure/ Beach & Snow
ART (Art Filter)	Pop Art/Soft Focus/Pale&Light Color/Light Tone/Grainy Film/ Pin Hole/Diorama/Cross Process/Gentle Sepia/ Dramatic Tone/Key Line

Selecting shooting mode

Turn the mode dial to set the shooting mode to the indicator.

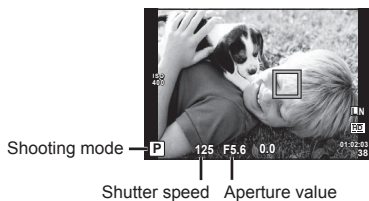
- After selecting **SCN** or **ART**, select the sub mode. After selecting **PHOTO STORY**, select the theme. Moreover, you can modify filters and add effects in ART.





P program mode

In mode **P**, the camera automatically adjusts shutter speed and aperture in response to subject brightness.

- The shutter speed and aperture displays flash if the camera is unable to achieve optimal exposure.



Warning display example (blinking)	Status	Action
	The subject is too dark.	Use the flash.
	The subject is too bright.	Use [ND Filter Setting]. ☞ "Using shooting options (Set by live control)" (P. 32)

Program shift (Ps)

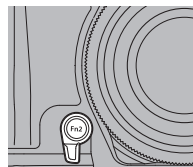
You can choose different combinations of aperture value and shutter speed without altering exposure.

After setting the lever as the illustration shows, rotate the control ring for program shift.

- While **Ps** is displayed, the camera is performing program shift.

To cancel program shift, rotate the control ring backwards until **P** is displayed.

- Program shift is not available when you are using a flash.



Program shift

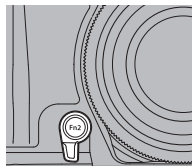
A aperture-priority mode

In mode **A**, you choose the aperture and let the camera automatically adjust shutter speed for optimal exposure. You can express the depth of field, and blur the background intentionally.

- 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.



Aperture value



After setting the lever as the illustration shows, rotate the control ring to set the aperture value.

- The shutter speed display will blink if the camera is unable to achieve optimal exposure.

Warning display example (blinking)	Status	Action
	The subject is underexposed.	Decrease the aperture value.
	The subject is overexposed.	Use [ND Filter Setting]. "Using shooting options (Set by live control)" (P. 32) Otherwise, increase the aperture value.

Lower aperture value	F2.8 ← F5.6 → F8.0	Higher aperture value
-----------------------------	--------------------	------------------------------

S shutter-priority mode

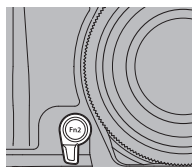
In mode **S**, you choose the shutter speed and let the camera automatically adjust aperture for optimal exposure. You can shoot a fast action scene without any blur, and shoot with impression of dynamic motion.



Shutter speed

After setting the lever as the illustration shows, rotate the control ring to set the shutter speed.

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





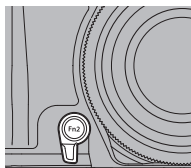
Warning display example (blinking)	Status	Action
	The subject is underexposed.	Set the shutter speed slower.
	The subject is overexposed.	Use [ND Filter Setting]. "Using shooting options (Set by live control)" (P. 32) Otherwise, set the shutter speed faster.

M manual mode

In mode **M**, you choose both the aperture and the shutter speed. At a speed of BULB, the shutter remains open while the shutter button is pressed.

After setting the lever as the illustration shows, rotate the control ring to set the shutter speed, and rotate the sub dial to set the aperture value.

- Use the exposure compensation indicator to view the exposure difference between suitable exposure and the exposure derived from set aperture value and shutter speed.
- The shutter speed can be set to 1/2000–60 sec. or [BULB].
- You can change the functions assigned to the control ring and the sub dial.  “ Custom Menu” (P. 68)



Shutter speed

Exposure compensation indicator

! Cautions

- Exposure compensation is not available in **M** mode.



Choosing when the exposure ends (bulb)

You can take a picture with a bulb exposure time in which the shutter stays open as long as you hold down the shutter button. Time the end of the exposure to suit the subject. Use for night landscapes and fireworks. In **M** mode, set the shutter speed to [BULB].

! Cautions

- Maximum 15 minutes (default)
- The maximum exposure time of bulb shooting depends on ISO sensitivity.
- To reduce camera shake for bulb shooting, mounting the camera on a stable tripod or using a remote cable (sold separately) is recommended.
- The following features are not available during long exposures:
Sequential shooting/self-timer shooting/AE bracket shooting/image stabilizer/flash bracketing.

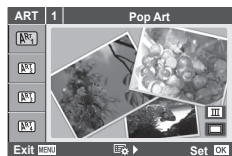
Noise in images

While shooting at slow shutter speeds, noise may appear on-screen. These phenomena are caused when current is generated in those sections of the image pickup device that are not normally exposed to light, resulting in a rise in temperature in the image pickup device or image pickup device drive circuit. 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.  “ Custom Menu” (P. 68)

ART art filters

You can shoot with color and effect like posters and paintings.

- 1 Rotate the mode dial to **ART**.
- 2 Use $\Delta \nabla$ to select a sub mode and press the OK button at the end.
 - Press the OK button once again to display the sub mode selection screen.

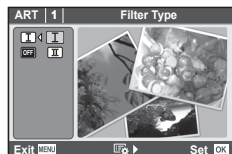


Selecting modifying filters, adding effects

Press \triangleright before selecting a sub mode and press the OK button for the selecting modifying filters screen and the adding effects screen.

Selecting modifying filters

After pressing \triangleright once again, use $\Delta \nabla$ to select modifying filters and press the OK button at the end.



Adding effects

After pressing ∇ and \triangleright , use $\Delta \nabla$ to select the adding effects and press the OK button at the end.

SCN scene mode

Only by selecting a sub mode according to the subject or the scene, you can shoot with an proper setting.


- 1 Rotate the mode dial to **SCN**.
- 2 Use $\Delta \nabla$ to select a sub mode and press the OK button at the end.
 - Press the OK button once again to display the sub mode selection screen.



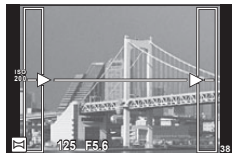
⚠ Cautions

- In [e-Portrait] mode, two images are recorded: an unmodified image and a second image to which [e-Portrait] effects have been applied. The unmodified image is recorded using the option currently selected for image quality, the modified copy at an image quality of JPEG (M-quality (2560 × 1920)).
- Effects of some scene modes are not applied in recording movies.

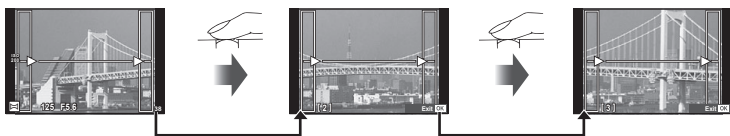
■ Taking pictures for a panorama


If you have installed the supplied computer software, you can use it to join pictures together to form a panorama.  "Installing Software" (P. 86)

- 1 Rotate the mode dial to **SCN**.
- 2 Select [Panorama] and press **OK**.
- 3 Use Δ ∇ \langle \rangle to choose a pan direction.
- 4 Take a picture, using the guides to frame the shot.
 - Focus, exposure, and other settings are fixed at the values for the first shot.



- 5 Take the remaining images, framing each shot so that the guides overlap with the previous picture.



- A panorama may include up to 10 images. A warning indicator () is displayed after the tenth shot.

- 6 After taking the last shot, press **OK** to end the series.

Cautions

- During panorama shooting, the image previously taken for position alignment will not be displayed. With the frames or other markers for display in the images as a guide, set the composition such that the edges of the overlapping images overlap within the frames.

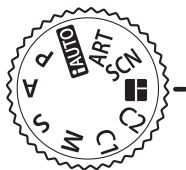
Notes

- Pressing **OK** before shooting the first frame returns to the scene mode selection menu. Pressing **OK** in the midst of shooting ends the sequence of panorama shooting, and allows you to continue with the next one.

PHOTO STORY



When shooting, an image is incorporated into a layout frame set to create a desired collage. This enables wide range of photo expression with themes or stories.

- 1 Rotate the mode dial to .



- 2 Select a theme using Δ ∇ and press \triangleright .

Types of theme

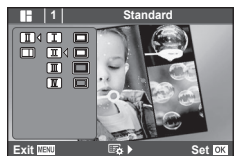
-  1 Standard
-  2 Fun Frames



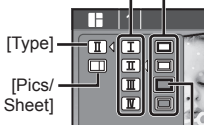
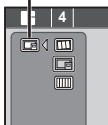
Theme



- 3 Select desired items in the theme using Δ ∇ \triangleleft \triangleright , then press OK .

- Press the shutter button halfway to return to the shooting screen.





 Standard	 Fun Frame
Sub-menu of [Type] [Effect]  [Type] [Pics/Sheet] Current item	[Effect] 

4 Tap a frame in standby mode to shoot.



- Tap the frame when the subject is not displayed in a frame.

5 Shoot each frame in the same way.

- Shot images are displayed in the frames.
- Touch any framed image and then  while  is displayed, so that the image is canceled, and you can retake the shot.
- Press the **MENU** button and select [Exit] not to save the picture and restart shooting again.

6 After shooting all frames, press and save the picture.

Cautions

- When changing a shooting mode in the middle of shooting, the picture will not be saved.
- An image is saved as one photo collage. When set to RAW+JPEG option, RAW images are saved per frame.

C1/C2 custom mode

You can shoot with the preselected settings which you registered.

- You can register different settings in **C1** and **C2**. For the registration, refer to (P. 47). Set the mode dial to **C1** or **C2** to use.

fAUTO iAUTO mode

A full auto mode in which the camera automatically optimizes settings for the current scene. The camera does all the work, which is convenient for beginners.

Set the mode dial to **fAUTO** to use.

- In **fAUTO**, you can shoot with **[Live Guide]** in which the set effect is visible in the display like "Color Saturation", "Color Image", "Brightness", "Blur Background", and "Express Motions". You can shoot easily without using any term.

* You can use **[Live Guide]** only in **fAUTO**.

■ Using live guides

When the shooting mode is set to **fAUTO**

- 1 Touch the tab and swipe your finger to the left to display live guides.

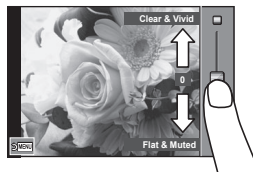


- 2 Select and touch the guide item.

- The guide items indicate [Saturation], [Color], [Brightness], [Blurring background], [Motion], and [Shooting Tips] from the top.
- In [Shooting Tips], the adding effects is unavailable.



- 3 Using your finger to position the sliders, press the **(OK)** button to confirm the setting.



- 4 Shoot.

- To clear the live guide from the display, press the **MENU** button.
- Changing the shooting mode or an playback also cancels the settings.

Cautions


- If [RAW] is currently selected for image quality, image quality will automatically be set to [L+RAW].
- Live guide settings other than [Blur Background] and [Express Motions] are not applied to the RAW copy.
- [Blur Background] and [Express Motions] settings are not applied to movie recording.
- Pictures may appear grainy at some live guide setting levels.
- Changes to live guide setting levels may not be visible in the monitor.
- The flash can not be used with the live guide.
- Changes to live guide options cancel previous changes.
- Choosing live guide settings that exceed the limits of the camera exposure meters may result in pictures that are over- or under-exposed.

4

Shooting using various functions

Press the direct button, \odot button, or MENU button to use various functions.

⚠ Cautions

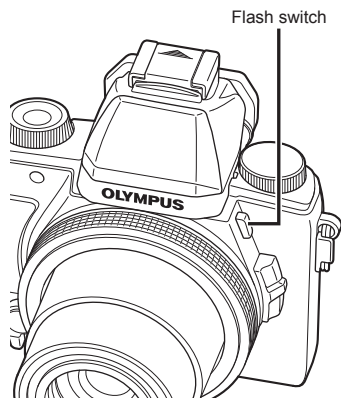
- Some items are not available in some shooting modes.
-  "List of settings available in each shooting mode" (P. 107)




Using shooting options (Set by direct button)

Flash

You can use a flash when shooting.

- 1 Press the flash switch to pop up the flash unit.
- 2 Press the ⚡ button (\blacktriangleright) to display options.
- 3 Use $\blacktriangleleft\blacktriangleright$ to choose a flash mode and press \odot .



⚡ AUTO	Auto flash	The flash fires automatically in low light or backlight conditions.
	Red-eye reduction flash	This function allows you to reduce the red-eye phenomenon.
⚡	Fill-in flash	The flash fires regardless of the light conditions.
	Flash off	The flash does not fire.
	Slow synchronization/ Red-eye reduction flash	Combines slow synchronization with red-eye reduction.
⚡ SLOW* ¹	Slow synchronization	Slow shutter speeds are used to brighten dimly-lit backgrounds.
⚡ FULL, ⚡ 1/4, etc.	Manual	For users who prefer manual operation.

*¹ Mode **P** and **A** only.

4 Press the shutter button all the way.

- In [REDAE] (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.
- [REDAE] (Red-eye reduction flash) may not work effectively under some shooting conditions.
- **AE-L/AF-L**, **AE-L/AF-L** can be set in **AE-L/AF-L** mode.
- The lens may cast shadows over objects close to the camera, causing vignetting, or be too bright even at minimum output.
- To prevent photographs from being overexposed, select mode **A** or **M** and choose a high f-number, or reduce ISO sensitivity.

Exposure compensation

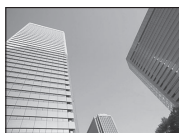
Compensates the brightness (appropriate exposure) adjusted by the camera.

1 Rotate the sub dial for the exposure compensation.

- Pressing the **OK** button after pressing the +/- button (**DEL**) can also perform the adjustment.
- Choose positive (“+”) values to make pictures brighter, negative (“-”) values to make pictures darker.



Negative (-)



No compensation (0)



Positive (+)

2 Shoot.

Self timer

Sets the time after the shutter button is pressed until the picture is taken.

- 1 Press the button (▽) to display the direct menu.
- 2 Select [12s], [2s] or [C] using and and press the button.

12s Self-timer 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.
2s Self-timer 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.
C Self-timer Custom	Photographs are taken at “the number of frames, the time after the shutter button is pressed until the picture is taken, and the interval time” set in the shooting menu.

- To cancel the activated self-timer, press the button.
- Fix the camera securely on a tripod for self-timer shooting.
- If you stand in front of the camera to press the shutter button halfway when using the self-timer, the photograph may be out of focus.
- Self timer is not canceled automatically after shooting.

Single/Sequential



- 1 Press the button (▽) to display the direct menu.
- 2 Select [] or [] using and and press the button.

Single-frame shooting	Shoots 1 frame at a time when the shutter button is pressed (normal shooting mode).
Sequential shooting	Photographs are taken at about 5 frames per second (fps) while the shutter button is pressed all the way down.

- During sequential shooting, focus, exposure, and white balance are locked at the first frame.
- During sequential shooting, if the battery check 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.

Bracketing (BKT)

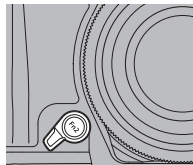
While the shutter button is pressed all the way down, photographs are taken with automatically changing the settings for each frame (bracket photography).

- 1 Press the  button (∇) to display the direct menu.
- 2 Select [Bracketing] using \triangleleft \triangleright and press the  button.
 - Bracketing is available only when [Bracketing] (P. 51) is selected.

Manual focus (MF)


This function allows you to manually focus on any subject.

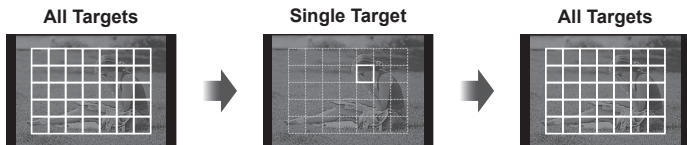
- 1 After setting the lever as the illustration shows, rotate the control ring.



AF target

You can select the focus target manually. Normally the camera automatically chooses from the 35 of focus targets.

- 1 Press the  button (\triangleleft) to display the AF target.
- 2 Use \triangle ∇ \triangleleft \triangleright to move the green border to the focus point.
 - When you move the cursor off the screen, "All targets" mode is restored and the camera automatically chooses from the 35 of focus targets.



The camera automatically chooses from the full set of focus targets.

Select the focus target manually.

- While using the digital tele-converter, AF targets decrease to 9 targets.

Using shooting options (Set by live control)

In **P**, **A**, **S** and **M** modes, after pressing the \odot button, the live control can be used to adjust settings. Using live control allows you to preview the effects of different settings in the monitor.

Available settings

Image stabilizer	P. 33	Flash intensity control	P. 38
Picture mode	P. 33	Metering mode	P. 38
White balance	P. 34	AF mode	P. 39
Sequential shooting/self-timer	P. 30	ISO sensitivity	P. 40
Aspect Ratio	P. 36	Face priority	P. 40
Record mode	P. 36	ND Filter Setting	P. 41
Flash mode	P. 28		

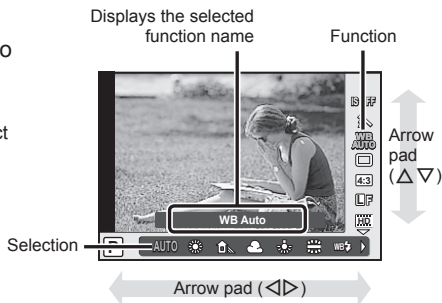
4

1 Press \odot to display the live control.

- To hide the live control, press \odot again.

2 Use Δ / ∇ on the arrow pad to select settings, use \triangleleft / \triangleright to change the selected setting, and press \odot .

- The selected settings take effect automatically if no operations are performed for about 8 seconds.



! Cautions

- Some items are not available in some shooting modes.
☞ "List of settings available in each shooting mode" (P. 107)

Image Stabilizer

Select [ON] to reduce camera shake that can occur when shooting in low light situations or shooting with high magnification.

- 1 Press the **OK** button to display the live control, and select the image stabilizer (IS) item using $\Delta \nabla$.
- 2 Select [ON] with $\triangleleft \triangleright$ and press **OK**.



- 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].

Picture Mode

Change a picture mode. When the mode dial is set to **SCN**, **ART**, **iAUTO**, and **||**, the mode cannot be set.

- 1 Press the **OK** button to display the live control, and select the picture mode item ($\hat{\curvearrowright}$) using $\Delta \nabla$.



$\hat{\curvearrowright}$ i-Enhance	Produces more impressive-looking results suited to the scene.
$\hat{\curvearrowright}$ Vivid	Produces vivid colors.
$\hat{\curvearrowright}$ Natural	Produces natural colors.
$\hat{\curvearrowright}$ Muted	Produces flat tones.
$\hat{\curvearrowright}$ Portrait	Produces beautiful skin tones.
M Monotone	Produces black and white tone.
ART Pop Art	Choose an art filter and select the desired effect.
ART Soft Focus	
ART Pale&Light Color	
ART Light Tone	
ART Grainy Film	
ART Pin Hole	
ART Diorama	
ART Cross Process	
ART Gentle Sepia	
ART Dramatic Tone	
ART Key Line	

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 Press the **OK** button to display the live control, and select the white balance item using **Δ ▽**.
- 2 Select an option using **◀ ▶** and press **OK**.



WB mode		Color temperature	Light conditions
Auto white balance	AUTO	—	Used for most light conditions (when there is a white portion framed on the monitor). Use this mode for general use.
Preset white balance		5300K	For shooting outdoors on a clear day, or to capture the reds in a sunset or the colors in a fireworks display
		7500K	For shooting outdoors in the shadows on a clear day
		6000K	For shooting outdoors on a cloudy day
		3000K	For shooting under a tungsten light
		4000K	For subjects lit by fluorescent lights
		5500K	For flash shooting
One-touch white balance		Color temperature set by one-touch WB.	Choose when a white or gray subject can be used to measure white balance and the subject is under mixed lighting or lit by an unknown type of flash or other light source.
Custom white balance	CWB	2000K – 14000K	After pressing the INFO button, use ◀ ▶ buttons to select a color temperature and then press OK .

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 [] or [] (one-touch white balance 1 or 2) and press the **INFO** button.
- 2 Photograph a piece of colorless (white or gray) paper.
 - Frame the object so that it fills the display and no shadows fall it.
 - The one-touch white balance screen appears.
- 3 Select [Yes] and press .

- The new value is saved as a preset white balance option.

- The new value is stored until one-touch white balance is recorded again. Turning the power off does not erase the data.



Tips

- If the subject is too bright or too dark or visibly tinted, the message [WB NG Retry] will be displayed and no value will be recorded. Correct the problem and repeat the process from Step 1.

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] or [1:1].

- 1 Press the **OK** button to display the live control, and select the aspect ratio item using $\Delta \nabla$.
- 2 Use $\triangleleft \triangleright$ to select an aspect ratio and press **OK**.

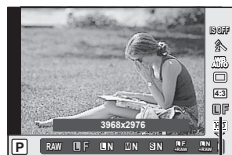
! Cautions

- JPEG images are cropped to the selected aspect ratio; RAW images, however, are not cropped but are instead saved with information on the selected aspect ratio.
- When RAW images are played back, the selected aspect ratio is shown by a frame.

Record Mode

Select an image quality for photographs and movies according their intended use, for example retouching on a computer or display on the web.

- 1 Press the **OK** button to display the live control, and select a record mode for photographs or movies using $\Delta \nabla$.
- 2 Select an option using $\triangleleft \triangleright$ and press **OK**.



Record mode

■ Record modes (still images)

Choose from RAW and JPEG (**L**F, **L**N, **M**N, and **S**N) modes. Choose a RAW+JPEG option to record both a RAW and a JPEG image with each shot. JPEG modes combine image size (**L**, **M**, and **S**) and compression ratio (SF, F, N, and B). The options available can be selected using the [◀: Set] option in the "⚙ Custom Menu" (P. 68).

Image size		Compression rate				Application
Name	Pixel count	SF (Super Fine)	F (Fine)	N (Normal)	B (Basic)	
L (Large)	3968 × 2976*	L SF	L F*	L N*	L B	Select for the print size
M (Middle)	3200 × 2400	M SF	M F	M N*	M B	
	2560 × 1920*					
	1920 × 1440					
1600 × 1200						
S (Small)	1280 × 960*	S SF	S F	S N*	S B	For small prints and use on a website
	1024 × 768					
	640 × 480					

* Default

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 [Edit] in the "Using functions of playback menu" (P. 57).

■ Record modes (movies)

Record mode	Pixel count	Frame rate	Recording length
Full HD	1920 × 1080	30 fps	29 min
HD	1280 × 720	30 fps	
HS120*	640 × 480	120 fps	20 sec
HS240*	320 × 240	240 fps	

* HS: Record quickly moving subjects for slow-motion playback. Available in **P/A/S/M** mode.

⚠ Cautions

- Individual files can be up to 4 GB in size.
- Depending on the type of card used, recording may end before the maximum length is reached.

Flash Intensity Control

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

- 1 Press the **OK** button to display the live control, and select the flash intensity control item using **Δ**/**∇**.
- 2 Choose the compensation value with **◀**/**▶** and press **OK**.





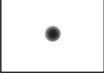




Metering

Choose how the camera meters subject brightness.

- 1 Press the **OK** button to display the live control, and select the metering item using **Δ**/**∇**.
- 2 Select an option with **◀**/**▶** and press **OK**.



 ESP metering	The camera optimizes exposure for the current scene or (if an option other than [Off] is selected for [☺ Face Priority]) portrait subject. This mode is recommended for general use.
 Center weighted averaging metering	This metering mode provides the average metering between the subject and the background lighting, placing more weight on the subject at the center. 
 Spot metering	Choose this option to meter a small area with the camera pointed at the object you wish to meter. Exposure will be adjusted according to the brightness at the metered point. 
 Spot metering - highlight	Increases spot metering exposure. Ensures bright subjects appear bright.
 Spot metering - shadow	Lowers spot metering exposure. Ensures dark subjects appear dark.

AF Mode

Select a focusing method (focus mode).

- 1 Press the **OK** button to display the live control, and select the AF mode item using **Δ ▽**.
- 2 Select an option with **◀▶** and press **OK**.
 - The selected AF mode is displayed on the monitor.



S-AF (single AF)	The camera focuses once when the shutter button is pressed halfway. When the focus is locked, a beep sounds, the AF target mark lights up. This mode is suitable for taking pictures of still subjects or subjects with limited movement.
Super Macro	You can focus from 5 cm away from the subject.
C-AF (continuous AF)	The camera repeats focusing while the shutter button remains pressed halfway. When the subject is in focus, the AF target 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.
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. <ul style="list-style-type: none">• 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.
MF (manual focus)	This function allows you to manually focus on any subject. Press and hold Ⓞ for a while, then focus on the subject with Δ ▽ .

! Cautions

- The flash and zoom are unavailable during super macro photography. The zoom is automatically adjusted.
- The camera may be unable to focus if the subject is poorly lit, obscured by mist or smoke, or lacks contrast.

■ Focus lock

If the camera is unable to focus on your chosen subject, select single target mode and use focus lock to focus on another subject at about the same distance.

- 1 In [S-AF] mode, position the AF target over the subject and press the shutter button halfway.
 - Check that the AF target mark has turned green.
 - Focus locks while the shutter button is pressed halfway.
- 2 Keeping the shutter button pressed halfway, recompose the photograph and then press the shutter button the rest of the way down.
 - Do not change the distance between the camera and the subject while pressing the shutter button halfway.

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 adjusts ISO sensitivity according to shooting conditions.

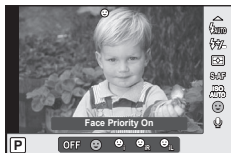
- 1 Press the **OK** button to display the live control, and select the ISO sensitivity item using **Δ ▽**.
- 2 Select an option using **◀▶** and press **OK**.

AUTO	The sensitivity is set automatically according to the shooting conditions.
100–12800	Sensitivity is set to the selected value.

☺ Face Priority

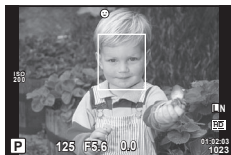
The camera detects faces and adjusts focus and ESP metering.

- 1 Press the **OK** button to display the live control, and select the face priority item using **Δ ▽**.
- 2 Use **◀▶** to select an option and press **OK**.



OFF	Face Priority Off	Face priority off.
☺	Face Priority On	Face priority on.
☺👁	Face & Eye Priority On	The autofocus system selects the pupil of the eye closest to the camera for face-priority AF.
☺👁👁R	Face & R. Eye Priority On	The autofocus system selects the pupil of the eye on the right for face-priority AF.
☺👁👁L	Face & L. Eye Priority On	The autofocus system selects the pupil of the eye on the left for face-priority AF.

- 3 Point the camera at your subject.
 - If a face is detected, it will be indicated by a white border.
- 4 Press the shutter button halfway to focus.
 - When the camera focuses on the face in the white border, the border will turn green.
- 5 Press the shutter button the rest of the way down to shoot.



⚠ Cautions

- Face priority applies only to the first shot in each sequence taken during sequential shooting.
- Depending on the subject, the camera may not be able to correctly detect the face.
- In metering modes other than [ESP] (ESP metering), the camera will meter exposure for the selected position.

ND Filter Setting

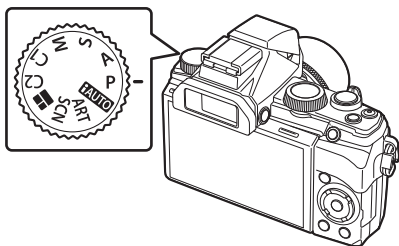
Set the ND filter.

- 1 Press the OK button to display the live control, and select the ND filter item using $\Delta \nabla$.
- 2 Use $\triangleleft \triangleright$ to select an option and press OK .

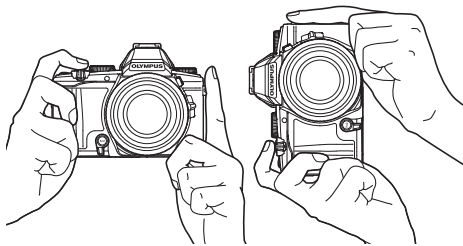
Off	The ND filter is not used.
On	The ND filter is used.

Shooting through the monitor

- 1 Turn the camera on with the **ON/OFF** button.
 - The back monitor will turn on.
- 2 Rotate the mode dial to set the shooting mode.



- 3 Frame the shot.
 - When you look through the viewfinder, the back monitor automatically turns off and the viewfinder switches on. You can also switch the display manually.**[EVF Auto Switch]**
☞ “☞ Custom Menu” (P. 68)



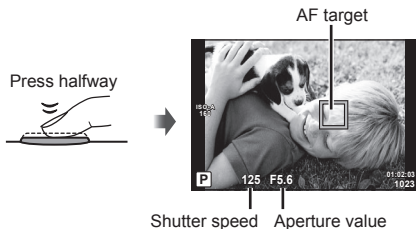
Horizontal grip

Vertical grip

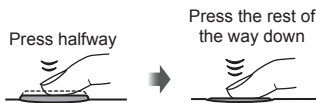
- When switching the display manually, the viewfinder and the back monitor display switches each time the monitor button is pressed.

- 4 Press the shutter button halfway to focus.

- If the AF target mark blinks in red, the subject is not in focus. Adjust focus again.



- 5 While keeping the position of the camera, press the shutter button rest of the way down gently to shoot.






Shooting using touch panel

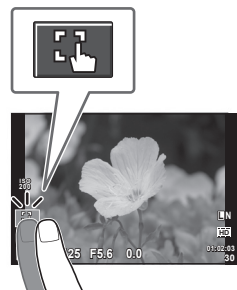
When you shoot through the monitor, you can touch to shoot instead of pressing the shutter button.

When framing the shot, touch to focus point.


- Tap a subject to focus and automatically release the shutter.

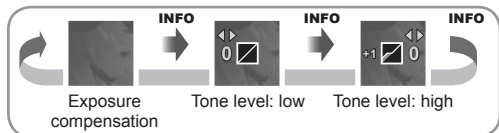
You can disable the touch screen operations, or tap a subject only to focus.

	Touch screen operations disabled.
	Tap a subject to focus. Photographs can be taken by pressing the shutter button.
	Tap a subject to focus and automatically release the shutter.



Highlight & Shadow Control

Press the  button (Δ) and press the **INFO** button to display the shadow control dialog. Then press the **INFO** button to display the highlight control dialog. Each time the **INFO** button is pressed, the camera switches to the exposure compensation control dialog, the shadow control dialog, and the highlight control dialog.



4

Shooting using various functions

■ Shadow Control

You can adjust dark tone level.
Choose “-” to darken shadows.
Choose “+” to brighten shadows.

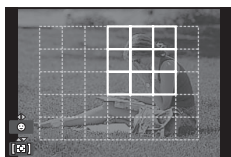
■ Highlight Control

You can adjust bright tone level.
Choose “-” to darken highlights.
Choose “+” to brighten highlights.

AF target (Choosing a focus target)

Select 9 targets from all 35 of them, and let the camera automatically choose from the targets in the selected area. (According the area, select 6 or 4 targets.)

- 1 Press the **[•••]** button (\triangleleft) to display the AF target.
- 2 Press the **INFO** button and use $\triangle \nabla$ to select group target display.
- 3 Press the **(OK)** button to select group target mode.
- 4 Use $\triangle \nabla \triangleleft \triangleright$ to select the autofocus area.
 - The camera automatically chooses from the targets in the selected group.



Setting shooting functions

In the Shooting Menu 1 and 2, you can set the functions below.

Shooting Menu 1

Card Setup (P. 47)
Reset/C Mode Setup (P. 47)
Picture Mode (P. 48)
◀ (P. 50)
Image Aspect (P. 50)

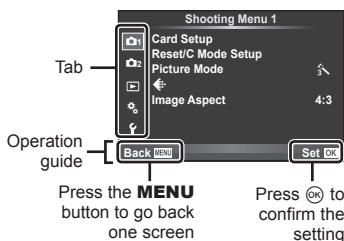
Shooting Menu 2

☰/☺ (P. 50)
Image Stabilizer (P. 50)
Bracketing (P. 51)
⚡ RC Mode (P. 53)
⚡ Sync (P. 53)
☰ (P. 53)

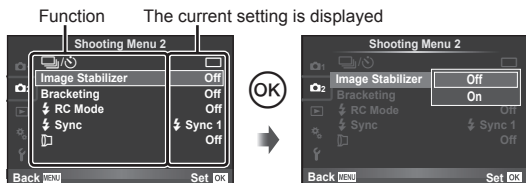
4

1 Press the **MENU** button to display the menus.

2 Use Δ / ∇ to select a tab and press \odot .



3 Select an item using Δ / ∇ and press \odot to display options for the selected item.



4 Use Δ / ∇ to highlight an option and press \odot to select.

- Press the **MENU** button repeatedly to exit the menu.

Notes



- For details on the functions that can be set with the menu, refer to "Menu directory" (P. 102).
- A guide is displayed for about 2 seconds after you select an option. Press the **INFO** button to view or hide guides.

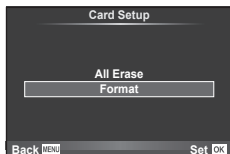
Card Setup (Erasing data completely)

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

Confirm there are no images that you still want to keep on the memory.







- Cards formatted on a computer or other camera must be formatted with the camera before they can be used.

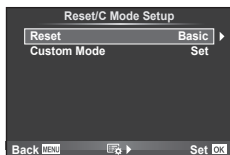
- 1 Select [Card Setup] in  shooting menu 1.
- 2 Select [Format].
- 3 Select [Yes] and press .
 - Formatting is performed.



Reset (Restoring default or custom settings)






Restore default settings.

- 1 Select [Reset/C Mode Setup] in  shooting menu 1.
- 2 Select [Reset] and press .
 - Highlight [Reset] and press  to choose the reset type. To reset all settings except the date, language, and a few others, highlight [Full] and press .
 -  "Menu directory" (P. 102)
- 3 Select [Yes] and press .




C Mode Setup (Registering a custom setting)

You can shoot with the preselected settings which you registered.

- 1 Adjust settings in order to save.
- 2 Select [Reset/C Mode Setup] in  shooting menu 1.
- 3 Select [Custom Mode 1] or [Custom Mode 2] and press the  button.
- 4 Select [Set] and press .
 - To erase the registered setting, select [Reset] and press .
 - Functions that can be saved to [C Mode Setup].  "Menu directory" (P. 102)


















Picture Mode (Processing options)

Select a picture mode and make individual adjustments to contrast, sharpness, and other parameters. Changes to each picture mode are stored separately.





1 Select [Picture Mode] in  shooting menu 1.

2 Select an option with Δ ∇ and press \odot .



 i-Enhance	Produces more impressive-looking results suited to the scene.
 Vivid	Produces vivid colors.
 Natural	Produces natural colors.
 Muted	Produces flat tones.
 Portrait	Produces beautiful skin tones.
 Monotone	Produces black and white tone.
 Pop Art	Choose an art filter and select the desired effect.
 Soft Focus	
 Pale&Light Color	
 Light Tone	
 Grainy Film	
 Pin Hole	
 Diorama	
 Cross Process	
 Gentle Sepia	
 Dramatic Tone	
 Key Line	

3 Press  to display settings for the selected option.

		  	
Contrast	Distinction between light and dark	✓	✓
Sharpness	Sharpness of the image	✓	✓
Saturation	Vividness of the color	✓	—
Gradation	Adjust tone (gradation).	✓	✓
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.		
Normal	Use [Normal] mode for general uses.		
High Key	Gradation for a bright subject.		
Low Key	Gradation for a dark subject.		
Effect (i-Enhance)	Sets the extent that the effect will be applied.	✓	—
B&W Filter	Creates a black and white image. The filter color is brightened and the complementary color is darkened.	—	✓
N:Neutral	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.		
Pict. Tone	Colors the black and white image.	—	✓
N:Neutral	Creates a normal black and white image.		
S:Sepia	Sepia		
B:Blue	Bluish		
P:Purple	Purplish		
G:Green	Greenish		

 **Cautions**

- Changes to contrast have no effect at settings other than [Normal].

Record Mode (Image quality)

Select an image quality. You can select a separate image quality for photographs and movies. This is the same as the [Record Mode] (P. 36) item in [Live Control].

- You can change the JPEG image size and compression ratio combination, and [M] and [S] pixel counts.
- [Left Arrow] set], [Pixel Count] [Right Arrow] "Custom Menu" (P. 68)

Image Aspect (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] or [1:1].

! Cautions

- JPEG images are cropped to the selected aspect ratio; RAW images, however, are not cropped but are instead saved with information on the selected aspect ratio.
- When RAW images are played back, the selected aspect ratio is shown by a frame.

[Camera]/[Timer] (Setting custom self-timer)

You can customize the self timer operation.

- 1 Select [Camera]/[Timer] in [Shooting Menu 2].



- 2 Select [C] (custom) and press [Right Arrow].
- 3 Use [Up Arrow]/[Down Arrow] to select the item and press [Right Arrow].
 - Use [Up Arrow]/[Down Arrow] to select the setting and press [OK].

Frame	Sets the number of frames to be shot.
Timer	Sets the time after the shutter button is pressed until the picture is taken.
Interval Time	Sets the shooting interval for the second and subsequent frames.

Image Stabilizer (Reducing camera shake)

You can set the image stabilizer to on or off (the same as the image stabilizer of the live control).

Bracketing (Varying settings over a series of photographs)

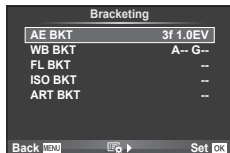
“Bracketing” refers to the act of varying settings automatically over a series of shots or a series of images to “bracket” the current value.

In the shooting menu, settings for bracketing are available. Bracketing is available only when [BKT] is selected.

- 1 Select [Bracketing] in  Shooting Menu 2 and press .



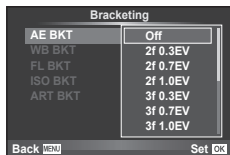
- 2 Choose a bracketing type.
 - You can select only one bracketing type.



AE BKT (AE bracketing)

The camera varies the exposure of each shot. The modification amount can be selected from 0.3 EV, 0.7 EV, or 1.0 EV. 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 or 3

- The camera brackets the value currently selected for exposure compensation.



WB BKT (WB bracketing)

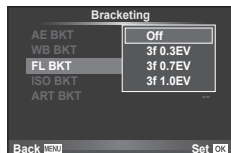
Three images with different white balances (adjusted in specified color directions) are automatically created from one shot, starting with the value currently selected for white balance. WB bracketing is available in **P**, **A**, **S** and **M** modes.

- White balance can be varied by 2, 4, or 6 steps on each of the A–B (Amber–Blue) and G–M (Green–Magenta) axes.
- The camera brackets the value currently selected for white balance compensation.
- No pictures will be taken during WB bracketing if there is not enough memory on the card for the selected number of frames.



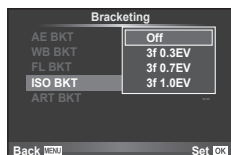
FL BKT (FL bracketing)

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

**ISO BKT (ISO bracketing)**

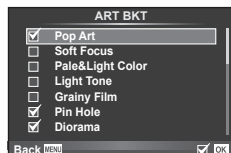
The camera varies the sensitivity over three shots while keeping the shutter speed and aperture fixed. The modification amount can be selected from 0.3 EV, 0.7 EV, or 1.0 EV. Each time the shutter button is pressed, the camera shoots three frames with the set sensitivity (or if auto sensitivity is selected,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

- Bracketing is performed regardless of the upper limit set with [ISO-Auto Set]. "Custom Menu" (P. 68)


**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.



Remote Flash (Wireless remote control flash photography)

The built-in flash unit and external flash units that offer a remote control mode and are designated for use with this camera can be used for wireless flash photography. Select [On] to set each flash with the camera.  “Wireless remote control flash photography” (P. 90)


Sync (Setting the flash timing)

You can set the flash timing. For [ Sync 1], flash fires as shutter opens, while flash fires just before the shutter closes for [ Sync 2], creating a stream of light behind moving light sources.

(Taking pictures with a conversion lens)

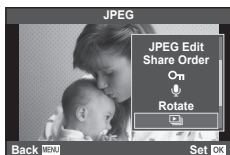
Off	Select when taking pictures without a conversion lens.
TCON-17	Select when taking pictures with a designated optional conversion lens.

Cautions

- When a conversion lens is attached, light from the built-in flash can cause vignetting where shadows from the conversion lens appear on the images.
- When a conversion lens is attached, the camera may take extra time to focus.
- Conversion lens adapter CLA-13 (available separately) is required to attach the conversion lens to the camera.
- After removing the automatic lens cap, attach the conversion lens adapter.  “Automatic lens cap” (P. 3)

Using playback options

Press **OK** during playback to display a menu of simple options that can be used in playback mode.



	Still image frame			Movie frame
	RAW	JPEG	RAW+JPEG	
Audio playback	✓	✓	✓	—
JPEG Edit (P. 58)	—	✓	✓	—
RAW Data Edit (P. 58)	✓	—	✓	—
Movie Play	—	—	—	✓
Share Order (P. 64)	✓	✓	✓	✓
On (Protect) (P. 12)	✓	✓	✓	✓
Microphone (Audio recording)	✓	✓	✓	—
Rotate	✓	✓	✓	—
Slide (Slideshow)	✓	✓	✓	✓
Print (Print reservation) (P. 85)	—	✓	✓	—
Erase (P. 12)	✓	✓	✓	✓

Audio playback

You can play back recorded audio.
Use the **▲ ▼** button to adjust the volume.

Performing operations on a movie frame (Movie Play)

OK	Pause or resume playback.	
	• You can perform the following operations while playback is paused.	
	◀▶ or Sub dial	Previous/Next Press and hold ◀▶ to continue the operation.
	△	Display the first frame.
	▽	Display the last frame.
◀▶	Advance or rewind a movie.	
△/▽	Adjust volume.	

! Cautions

- We recommend using the supplied PC software to play movies on a computer. Before launching the software for the first time, connect the camera to the computer.

🎤 (Audio recording)

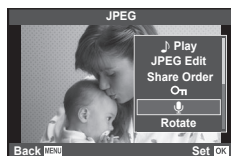
Add an audio recording (up to 30sec. long) to the current photograph.

1 Display the image to which you want to add an audio recording and press OK.

- Audio recording is not available with protected images.
- Audio recording is also available in the playback menu.

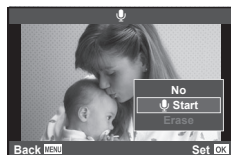
2 Select [🎤] and press OK.

- To exit without adding a recording, select [No].



3 Select [🎤 Start] and press OK to begin recording.

- To stop recording part-way through, press OK.
- When 30 seconds passed, the recording automatically ends.
- Images with audio recordings are indicated by a 🎵 icon.
- To delete a recording, select [Erase] in Step 2.



Playing back slideshow

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

- 1 Press **OK** during playback and select the slideshow option.
- 2 Adjust settings.

Start	Start the slideshow. Images are displayed in order, starting with the current picture.
BGM	Set BGM (5 types) or turn BGM [Off].
Effect	Choose the transition between frames.
Slide	Set type of slideshow to execute.
Slide Interval	Choose the length of time each slide is displayed from 2 to 10 seconds.
Movie Interval	Select [Full] to include full-length movie clips in the slideshow, [Short] to include only the opening portion of each clip.

- 3 Select [Start] and press **OK**.
 - The slideshow will start.
 - Press **OK** to stop the slideshow.

Displaying images rotated

Choose whether to rotate photographs.

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

Using functions of playback menu

In the Playback Menu, you can use the functions below.

 (P. 56)

 (P. 58)

Edit (P. 58)

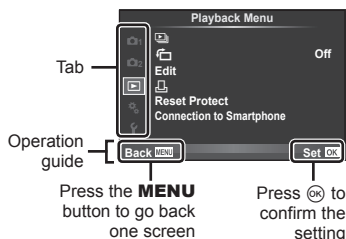
 (P. 82)

Reset Protect (P. 59)

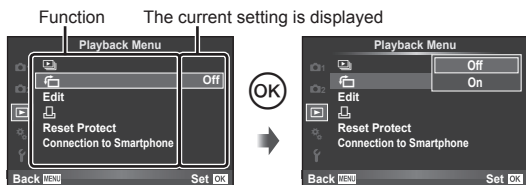
Connection to Smartphone (P. 59)

1 Press the **MENU** button to display the menus.

2 Use Δ ∇ to select a tab and press \odot .



3 Select an item using Δ ∇ and press \odot to display options for the selected item.



4 Use Δ ∇ to highlight an option and press \odot to select.
• Press the **MENU** button repeatedly to exit the menu.

Notes







- For details on the functions that can be set with the menu, refer to "Menu directory" (P. 102).
- A guide is displayed for about 2 seconds after you select an option. Press the **INFO** button to view or hide guides.









(Displaying images rotated)

When set to [On], photographs taken with the camera rotated in portrait orientation are automatically rotated and displayed in portrait orientation.


Edit (Editing still images)

Recorded images can be edited and saved as new images.

- 1 Select [Edit] in the  playback menu and press .
- 2 Use   to select the image to be edited and press .
- 3 Select [RAW Data Edit] or [JPEG Edit] and press .
 - [RAW Data Edit] is displayed if the picture is a RAW image, [JPEG Edit] if it is a JPEG image. If the image was recorded in RAW+JPEG format, both [RAW Data Edit] and [JPEG Edit] will be displayed. Select the menu for the image to be edited.

RAW Data Edit	Create a JPEG copy of a RAW image edited according to the settings. The editing was done with the current settings. Set the camera settings before editing.
JPEG Edit	Choose from the following options: [Shadow Adj]: Brightens a dark backlit subject. [Redeye Fix]: Reduces the red-eye phenomenon during flash shooting. []: Use the sub dial to choose the size of the crop and    to position the crop. [Aspect]: Changes the aspect ratio of images from 4:3 (standard) to [3:2], [16:9] or [1:1]. After changing the aspect ratio, use    to specify the trimming position. []: Converts the image file size to 1280 × 960, 640 × 480, or 320 × 240. [e-Portrait]: Makes skin look smooth and translucent. You may not be able to compensate depending on the image if face detection fails.





- 4 When the settings are complete, press .
 - The settings will be applied to the image.

5 Select [Yes] and press .


- The edited image is stored.

Cautions

- Movies cannot be edited.
- 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, when an image is recorded on another camera
- When resizing () an image, you cannot select a larger number of pixels than was originally recorded.
-  and [Aspect] can only be used to edit images with an aspect ratio of 4:3 (standard).

■ **Audio recording**

Add an audio recording (up to 30 sec. long) to the current photograph.

This is the same function as  during playback. (P. 55)

Reset Protect (Canceling all protections)

This function lets you cancel the protection of several images at one time.


1 Select [Reset Protect] in the  playback menu.

2 Select [Yes] and press .

Connection to Smartphone

(Using the Smartphone connection option)

The camera can connect to a smartphone by using the wireless LAN function. Once connected camera images can be viewed on and transferred to the other device.

 “Sharing images over Wi-Fi connection” (P. 64)

6 Setting the camera

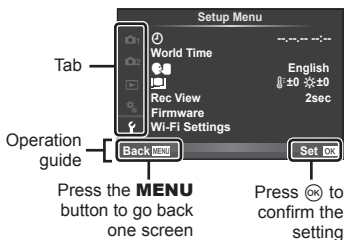
Setting setup menu

Use the Setup Menu to set the basic camera functions.

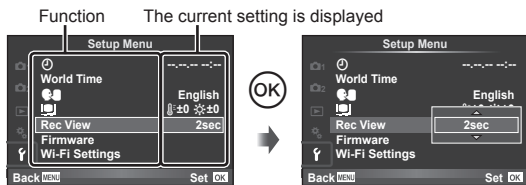
- ⌚ (Date/time setting) Rec View
- World Time Firmware
- 🗣️ (Changing the display language) Wi-Fi Settings
- 📺 (Monitor brightness adjustment)

1 Press the **MENU** button to display the menus.

2 Use Δ / ∇ to select a tab and press \odot .







3 Select an item using Δ / ∇ and press \odot to display options for the selected item.



4 Use Δ / ∇ to highlight an option and press \odot to select.
• Press the **MENU** button repeatedly to exit the menu.

Notes

- For details on the functions that can be set with the menu, refer to "Menu directory" (P. 102).
- A guide is displayed for about 2 seconds after you select an option. Press the **INFO** button to view or hide guides.

Option	Description	☞
 (Date/time setting)	Set the camera clock. <ol style="list-style-type: none"> 1) Use $\Delta \nabla$ to select the year for [Y]. 2) Press \triangleright to save the setting for [Y]. 3) As in Steps 1 and 2, use $\Delta \nabla \triangleleft \triangleright$ to set [M] (month), [D] (day), [Time] (hours and minutes), and [Y/M/D] (date order), and then press the OK button. <ul style="list-style-type: none"> • For precise time setting, press the OK button as the time signal strikes 00 seconds. 	8
World Time	You can set your home and destination to change the date and time display.	—
 (Changing the display language)	You can change the language used for the on-screen display and error messages from English to another language.	—
 (Monitor brightness adjustment)	You can adjust the brightness and color temperature of the monitor. Color temperature adjustment will affect only the monitor display during playback. Use $\triangleleft \triangleright$ to highlight E (color temperature) or S (brightness) and $\Delta \nabla$ to adjust the value. Press the INFO button to switch between [Natural] and [Vivid] monitor color display.	
Rec View	Choose whether pictures are displayed immediately after shooting and for how long. This is useful for making a brief check of the picture you have just taken. Pressing the shutter button halfway while checking the picture lets you resume shooting immediately. [1sec]–[20sec]: Selects the number of seconds to display each picture. Can be set in units of 1 second. [Off]: The picture being recorded to the card is not displayed. [Auto▶]: Displays the image being recorded, and then switches to playback mode. This is useful for erasing a picture after checking it.	—
Firmware	Your product's firmware version will be displayed. When you make inquiries about your camera or accessories or when you want to download software, you will need to state which version of each of the products you are using.	—
Wi-Fi Settings	Set up the camera to connect to a smartphone with Wi-Fi connectivity using the wireless function on the camera.	62

7 Using Wi-Fi function

Using the wireless LAN functions on the camera, you can share images (viewing images, and transferring images between the camera and smartphone) and operate the camera connecting to a smartphone with Wi-Fi connectivity.

To use this function, you must have the relevant app installed on the smartphone.

<http://olympuspen.com/OIShare/>

Cautions





- Before using the wireless LAN function, read “Precautions when using the wireless LAN function” (P. 114).
- 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.

Setting up a wireless LAN connection (Wi-Fi Settings)

To use the wireless LAN functions on the camera (P. 64), you need to make setting such as the password to be used when connecting.





[Private] and [One-Time] for a one-time connection are available.

Setting password selection method

- 1 Select [Wi-Fi Settings] in the  Setup Menu and press .
- 2 Select [Wi-Fi Connect Settings] and press .
- 3 Select the wireless LAN connection method and press 
 - [Private]: Connect using a preset password.
 - [One-Time]: Connect using a different password each time.
 - [Select]: Select which method to use each time.
 - [Off]: The Wi-Fi function is turned off.

Changing private connection password

Change the password used for [Private].

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

Cancelling image sharing

Deselects images selected for sharing (P. 64) when connected to a wireless LAN network.

- 1 Select [Wi-Fi Settings] in the **Y** Setup Menu and press **OK**.
- 2 Select [Reset share Order] and press **▷**.
- 3 Select [Yes] and press **OK**.

 Initializing wireless LAN settings

Initializes content of [Wi-Fi Settings].

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

 ! Cautions






- The wireless LAN antenna is contained in the camera grip. Where possible, avoid covering the antenna with your hands.
- 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.

Sharing images over Wi-Fi connection

■ Share Order

You can connect the camera to a smartphone over wireless LAN (P. 62). Once the smartphone is connected, you can use it view images stored on the card, and transfer images between the camera and smartphone.

With [Share Order], you can select the images to share in advance.

- 1 On the playback screen, touch the screen.
 - A touch menu will be displayed.
- 2 Select an image using a touch operation or   and then touch  on the touch menu.
 -  is displayed on the images selected for sharing.
 - To cancel the selection, touch  again.
- 3 Touch the screen to exit [Share Order].
 - After an image has been selected for sharing, the selected image will be shared when a Wi-Fi connection is established using [One-Time].




! Cautions

- You can set a share order on a maximum around 200 frames.

■ Connection to Smartphone

You can view images directly on a smartphone that has Wi-Fi connectivity or transfer images between the camera and a smartphone that has Wi-Fi connectivity.

To use this function, you must install and start the relevant app for the smartphone "Ol.Share (OLYMPUS IMAGE SHARE)".

- 1 Select [Connection to Smartphone] in the  playback menu and press .
- 2 Select the connection method and press .

■ Private connection

Follow the guide displayed on the screen.

■ One-time connection

Follow the guide displayed on the screen.

- 3 To end the connection, press **MENU** on the camera or touch [Stop] on the monitor screen.

Things you can do with OI.Share

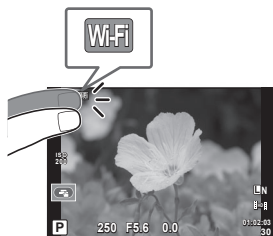
■ Shooting using Wi-Fi function

You can shoot pictures with the camera by performing operations on your smartphone. To use this function, you must start the relevant app installed on the smartphone. This function is only available when connected with [Private].

- 1 Start [Connection to Smartphone] in your camera.
 - You can also connect by touching **Wi-Fi** on the shooting screen.
- 2 Shoot pictures using your smartphone.

! **Cautions**


- Not all camera functions are available over the wireless LAN connection.



■ Synchronize the time and date on your camera with your smartphone

Synchronize the time and date on your smartphone and camera to allow position information to be added to images on your camera. Start time synchronization in OI.Share.

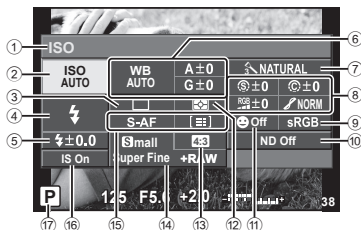
■ Adding smartphone position information to images

- The position information will be added to images on the memory card.  is displayed on images to which position information has been added.
- Log position information is only available when using a smartphone with a GPS function.

Using the super control panel

The term “super control panel” refers to the display shown below, which lists shooting settings together with the option currently selected for each.

Use the arrow pad or touch screen operations to make the settings.



■ Displaying the super control panel

To set and use the super control panel, select the check box of [SCP] of [Control Settings] in the “Custom Menu” (P. 68).

Press the **OK** button in the shooting mode, the setting screen like the live control, the super control panel and the other settings. Press the **INFO** button to switch the setting screen.

■ Settings that can be modified using super control panel

①	Currently selected option		⑨	Color space.....	P. 74
②	ISO sensitivity.....	P. 40	⑩	ND Filter Setting	P. 41
③	Sequential shooting/self-timer	P. 30	⑪	Face priority	P. 40
④	Flash mode.....	P. 28	⑫	Metering mode.....	P. 38
⑤	Flash intensity control.....	P. 38	⑬	Aspect ratio.....	P. 36
⑥	White balance.....	P. 34	⑭	Record mode	P. 37
	White balance compensation.....	P. 35	⑮	AF mode.....	P. 39
⑦	Picture mode.....	P. 33		AF target.....	P. 31
⑧	Sharpness (S).....	P. 49	⑯	Image stabilizer.....	P. 33
	Contrast (C).....	P. 49	⑰	Shooting mode*	P. 10
	Saturation (RGB).....	P. 49			
	Gradation.....	P. 49			
	B&W Filter (F).....	P. 49			
	Picture tone (T).....	P. 49			

* Only **ART** or **SCN** mode.

- 1 After displaying the super control panel, select the desired setting using Δ ∇ \triangleleft \triangleright and press OK .

- You can also select settings using the sub dial.
- You can also select settings touching the screen.



- 2 Select an option using \triangleleft \triangleright and press the **INFO** button.

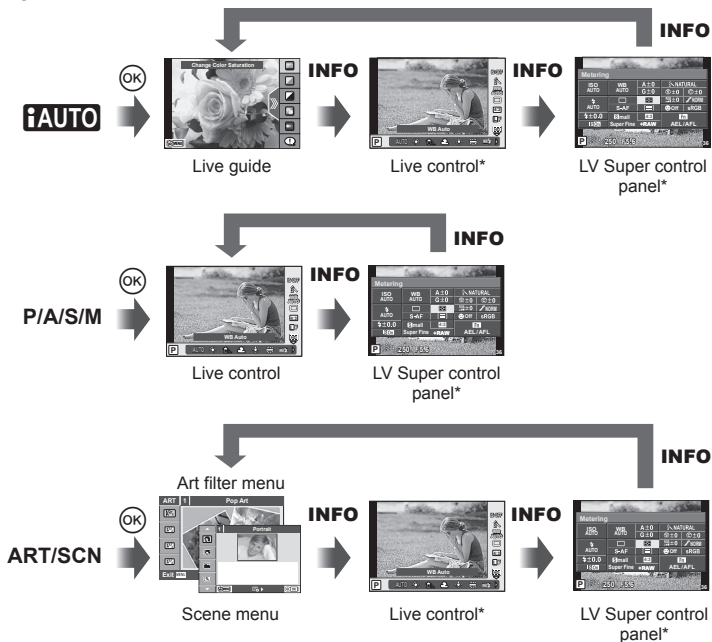
- Repeat steps 1 and 2 as necessary.
- The selected settings take effect automatically if no operations are performed for a few seconds.



- 3 Press the shutter button halfway to return to shooting mode.

Switching the function setting panel





























Each time you press the **INFO** button, the setting screen switches according to the setting in the custom menu.








* Displayed according to the setting in [Control Settings].

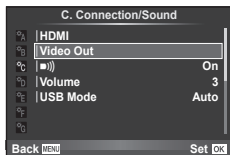
Camera settings can be customized using the  Custom Menu.

Custom Menu

 AF/MF (P. 70)	AF Mode	 Exp/ISO (P. 73)	ISO	
	AF Area		ISO-Auto Set	
	 Set Home		Bulb Timer	
	AF Illuminat.		 Custom (P. 73)	 Slow LLimit
	 Face Priority			
	MF Assist		 Color/WB (P. 74)	WB
 Button/Dial/ Lever (P. 70)	Button Function	All 		
	Dial Function	 Keep Warm Color		
	 Lever Function	 +WB		
	Dial Direction	Color Space		
	 Power On	 Set		
	 Zoom Speed	Pixel Count		
 Connection/ Sound (P. 71)	HDMI	 Record (P. 75)	File Name	
	Video Out		Edit Filename	
	 (Beep sound)		dpi Settings	
	Volume		Copyright Settings	
	USB mode		 Movie (P. 75)	Movie 
 Display (P. 72)	 /Info Setting	Wind Noise Reduction		
	Displayed Grid	Recording Volume		
	 Control Setting	 Utility (P. 76)		Pixel Mapping
	Picture Mode Setting			Exposure Shift
	Histogram Settings			Level Adjust
	Live View Boost		Touch Screen Settings	
	Sleep		Eye-Fi	
	 Exp/ISO (P. 73)		Metering	m/ft
 +Metering		EVF Adjust		
Noise Reduct.		EVF Auto Switch		
Noise Filter		While Exposing 		


■ Customizing the setting

- 1 Press the **MENU** button to display the menus.
- 2 Select  Custom Menu using Δ ∇ , and press .
- 3 Use Δ ∇ to select a tab and press .
- 4 Select an item using Δ ∇ and press  to display options for the selected item.
- 5 Use Δ ∇ to highlight an option and press  to select.
 - For details on each menu item, refer to the following pages.



Option	Description	
AF Mode	Choose the AF mode.	39
AF Area	Choose the AF target mode.	31
[] Set Home	Choose the AF target position that will be saved as the home position. [HP] appears in the AF target selection display while you choose a home position.	—
AF Illuminat.	Select [Off] to disable the AF illuminator.	—
 Face Priority	The camera gives priority to the faces or pupils of human portrait subjects during focusing.	40
MF Assist	Select [On] to automatically magnify the image for precise focus when the control ring is rotated in manual focus mode. Rotate the sub dial to choose the zoom ratio.	—

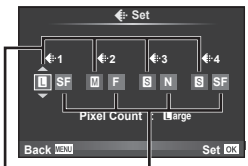
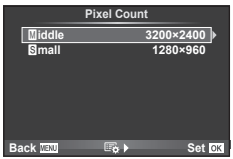
Option	Description	
Button Function	Choose the function assigned to the selected button.	—
 Function	Off, AEL, Preview, , [] Home, Digital Tele-converter, Conversion Lens, ND Filter Setting, Zoom Framing Assist	77
 Function	IS Mode, Picture Mode, SCN, ART, WB, , , Aspect, Image Quality, Image Quality, , , Metering, AF Mode, ISO, Face Priority, ND Filter Setting	
 Function	AEL, Preview, , [] Home, Digital Tele-converter, Conversion Lens, ND Filter Setting, Zoom Framing Assist, REC	
 Function	Off,	
 Function	Off, ,	
Dial Function	Choose the roles played by the control ring and sub dials.	—
 Lever Function	You can choose the control ring function from [MF], [Zoom] or [MF/Zoom] while the lever function is activated.	—
Dial Direction	Choose the direction in which the dials are rotated to adjust shutter speed or aperture or to move the cursor.	—
 Power On	If you hold down , the camera turns on and starts up in playback mode.	—
 Zoom Speed	Choose the zoom speed from [Low] or [Normal] using the side zoom lever.	—

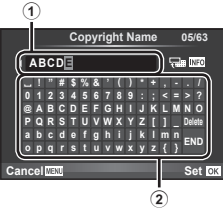
Option	Description	
HDMI	[HDMI Out]: Selecting the digital video signal format for connecting to a TV via an HDMI cable. [HDMI Control]: Select [On] to allow the camera to be operated using remotes for TVs that support HDMI control.	80
Video Out	Choose the video standard ([NTSC] or [PAL]) used in your country or region.	80
■)) (Beep sound)	You can set to on or off the volume of the shutter sound and the beep sound emitted when performing operations.	—
Volume	Adjust playback volume.	10, 54
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.	—

Option	Description																																									
Info Settings	Choose the information displayed when the INFO button is pressed. [▶]Info: Choose the information displayed in full frame playback. [LV-Info]: Choose the information displayed when the camera is in shooting mode. [Settings]: Choose the information displayed in index and calendar playback.	78																																								
	<table border="1"> <thead> <tr> <th></th> <th>▶Info</th> <th>LV-Info</th> <th>Settings</th> </tr> </thead> <tbody> <tr> <td>Image Only</td> <td>✓</td> <td>✓</td> <td>—</td> </tr> <tr> <td>Overall</td> <td>✓</td> <td>—</td> <td>—</td> </tr> <tr> <td></td> <td>✓</td> <td>✓</td> <td>—</td> </tr> <tr> <td>Highlight & Shadow</td> <td>✓</td> <td>✓</td> <td>—</td> </tr> <tr> <td>Level Gauge 1</td> <td>—</td> <td>✓</td> <td>—</td> </tr> <tr> <td>Level Gauge 2</td> <td>—</td> <td>✓</td> <td>—</td> </tr> <tr> <td>4-frame Index</td> <td>—</td> <td>—</td> <td>✓</td> </tr> <tr> <td>9-frame Index</td> <td>—</td> <td>—</td> <td>✓</td> </tr> <tr> <td>25-frame Index</td> <td>—</td> <td>—</td> <td>✓</td> </tr> </tbody> </table>			▶Info	LV-Info	Settings	Image Only	✓	✓	—	Overall	✓	—	—		✓	✓	—	Highlight & Shadow	✓	✓	—	Level Gauge 1	—	✓	—	Level Gauge 2	—	✓	—	4-frame Index	—	—	✓	9-frame Index	—	—	✓	25-frame Index	—	—	✓
			▶Info	LV-Info	Settings																																					
	Image Only		✓	✓	—																																					
	Overall		✓	—	—																																					
			✓	✓	—																																					
	Highlight & Shadow		✓	✓	—																																					
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	4-frame Index		—	—	✓																																					
9-frame Index	—	—	✓																																							
25-frame Index	—	—	✓																																							
Displayed Grid	To choose a framing guide from [Off], [Grid], [Grid], [Grid], or [Grid], select [Displayed Grid].	—																																								
Control Settings	Choose the controls displayed in each shooting mode. <table border="1"> <thead> <tr> <th rowspan="2">Controls</th> <th colspan="4">Shooting mode</th> </tr> <tr> <th>Auto</th> <th>P/A/S/M</th> <th>ART</th> <th>SCN</th> </tr> </thead> <tbody> <tr> <td>Live Control (P. 32)</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>SCP (P. 66)</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>Live Guide (P. 26)</td> <td>✓</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>Art Menu</td> <td>—</td> <td>—</td> <td>✓</td> <td>—</td> </tr> <tr> <td>Scene Menu</td> <td>—</td> <td>—</td> <td>—</td> <td>✓</td> </tr> </tbody> </table>	Controls	Shooting mode				Auto	P/A/S/M	ART	SCN	Live Control (P. 32)	✓	✓	✓	✓	SCP (P. 66)	✓	✓	✓	✓	Live Guide (P. 26)	✓	—	—	—	Art Menu	—	—	✓	—	Scene Menu	—	—	—	✓	—						
	Controls		Shooting mode																																							
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	Live Control (P. 32)	✓	✓	✓	✓																																					
	SCP (P. 66)	✓	✓	✓	✓																																					
	Live Guide (P. 26)	✓	—	—	—																																					
Art Menu	—	—	✓	—																																						
Scene Menu	—	—	—	✓																																						
Picture Mode Settings	Display only the selected picture mode when the live control or super control panel is used to select a picture mode.	33, 48																																								
Histogram Settings	[Highlight]: Choose the lower bound for the highlight display. [Shadow]: Choose the upper bound for the shadow display.	—																																								
Live View Boost	If [On] is selected, priority will be given to making images clearly visible; the effects exposure compensation and other settings will not be visible in the monitor.	—																																								
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.	—																																								

Option	Description	
Metering	Choose a metering mode according to the scene.	38
[••]+Metering	If [On] is selected, the exposure is measured using the selected AF target.	—
Noise Reduct.	This function reduces the noise that is generated during long exposures. [Auto]: Noise reduction is only performed at slow shutter speeds. [On]: Noise reduction is performed with every shot. [Off]: Noise reduction off. • Noise reduction requires about twice the time needed to record the image. • Noise reduction turns off automatically during sequential shooting. • This function may not work effectively with some shooting conditions or subjects.	20
Noise Filter	Choose the amount of noise reduction performed at high ISO sensitivities.	—
ISO	Set ISO sensitivity.	40
ISO-Auto Set	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.	—
Bulb Timer	You can set the maximum time for bulb shooting.	—

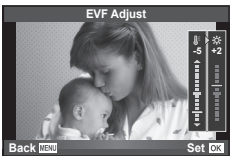
Option	Description	
⚡ Slow Limit	Choose the slowest shutter speed available when a flash is used.	—
[••]+	When set to [On], it will be added to the exposure compensation value and flash intensity control will be performed.	—

Option	Description	☞
WB	Set the white balance. This is the same as the live control setting. You can also fine-tune the white balance for each mode. You can also make fine adjustments using white balance compensation on the super control panel (P. 66).	34
All WB%	[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.	—
WB AUTO Keep Warm Color	Select [Off] to eliminate “warm” colors from pictures taken under incandescent lighting.	—
⚡ +WB	Adjust white balance for use with a flash.	—
Color Space	You can select how colors are reproduced on the monitor or printer.	—
☞ Set	<p>The record mode for JPEG photographs can be selected from four combinations of image size and compression rate. The camera offers a choice of three sizes and four compression rates for each combination.</p> <div style="border: 1px solid gray; padding: 10px; margin: 10px 0;"> <p>1) Use <◀▶> to select a combination ([◀-1] – [◀-4]) and use ▲▼ to change.</p> <p>2) Press OK.</p> <div style="text-align: center;">  <p>Number of pixels Compression rate</p> </div> </div>	36,101
Pixel Count	<p>Choose the pixel count for [M]- and [S]-size images.</p> <div style="border: 1px solid gray; padding: 10px; margin: 10px 0;"> <p>1) Select [Middle] or [Small] and press ▶.</p> <p>2) Choose a pixel count and press OK.</p> <div style="text-align: center;">  </div> </div>	36,101

Option	Description	📷
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.	—
Edit Filename	Choose how image files are named by editing the portion of the filename highlighted below in gray. sRGB: Pmdd0000.jpg _____ Pmdd AdobeRGB: _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. <div style="border: 1px solid gray; padding: 5px;"> <ol style="list-style-type: none"> Highlight a character ② and press OK to add the highlighted character to the name ①. Repeat Step 1 to complete the name, then highlight [END] and press OK. <ul style="list-style-type: none"> To delete a character, press the INFO button to place the cursor in the name area ①, and highlight the character. After selecting press the INFO button to return the cursor to the area ②, and press [Delete]. </div> 	—

* OLYMPUS does not accept liability for damages arising from disputes involving the use of [Copyright Settings]. Use at your own risk.

Option	Description	📷
Movie 🎤	Choose [Off] to record silent movies.	—
Wind Noise Reduction	Reduce wind noise during recording.	—
Recording Volume	Adjust microphone sensitivity according to the distance to your subject.	—

Option	Description		
Pixel Mapping	The pixel mapping feature allows the camera to check and adjust the image pickup device and image processing functions.	98	
Exposure Shift	Adjust optimal exposure separately for each metering mode. <ul style="list-style-type: none"> • 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. 29). 	—	
Level Adjust	Adjust the angle of the virtual horizon. [Reset]: Restore the factory default angle. [Adjust]: Set the virtual horizon to the camera's current angle.	—	
Touch Screen Settings	Activate the touch screen. Choose [Off] to disable the touch screen.	—	
Eye-Fi*	Enable or disable upload when using an Eye-Fi card.	100	
m/ft	When [AF Mode] (P. 39) is set to [MF], you can select meters or feet as the unit of length displayed on the monitor.	—	
EVF Adjust	Adjust the brightness and color temperature of the electronic viewfinder. The selected color temperature is also used in the monitor during playback. Use ◀▶ to select color temperature (☺) or brightness (☼) and use ▲▼ to choose from values between [+7] and [-7]. Brightness is automatically adjusted when [EVF Auto Luminance] is set to [On].		—
EVF Auto Switch	Sets whether to automatically switch the EVF. If [Off] is selected, the viewfinder will not turn on when you put your eye to the viewfinder. Use the button to choose the display. The same menu can also be displayed by pressing and holding the button.	—	
While Exposing 	Sets whether to continue to stabilize an image. When set to [On], an image is stabilized during shooting. The image is more stabilized.	33, 50	

* Use in accordance with local regulations. 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.

Button Function

MENU → → → [Button Function]

See the table below for the functions that can be assigned. The options available vary from button to button.

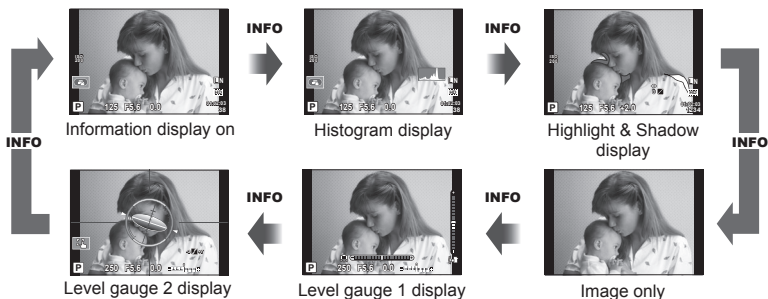
Button function items

[Fn1] Function] / [Fn2] Function] / [⊙] Function] / [▶] Function] / [▽] Function]

AEL	Press the button to lock the exposure.
Preview	Aperture is stopped down to the selected value while the button is pressed.
	The camera measures white balance when the shutter button is pressed all the way down while pressing the button (P. 35).
[•••] Home	Pressing the button selects the AF target position saved with [•••] Set Home] (P. 68). The home AF target position is indicated by a [HP] icon. Press the button again to return to AF target mode. If the camera is turned off when the home position is selected, the home position will be reset.
Digital Tele-converter	Digital Tele-converter is used to zoom in beyond the current zoom ratio. The camera saves the center crop. Zoom is increased by about 2×. Press the button to turn digital zoom on or off.
Conversion lens	Sets the attached conversion lens.
ND Filter Setting	Adjust the ND filter.
Zoom Framing Assist	Press the button during zooming in to zooming out some distance. Press and hold the button to turn off the zoom framing assist after releasing the button.
Off	No function is assigned to the button.
IS Mode	Adjust image stabilization settings.
Picture mode	Set the finish and art filters for an image.
SCN	You can change the scene mode.
ART	You can change the art filter.
WB	Adjust white balance.
	Choose a sequential shooting or self timer option.
Aspect	Adjust the aspect ratio.
Image Quality	Adjust the image quality for photographs.
Image Quality	Adjust the image quality for movies.
	Choose a flash mode.
	Adjust the flash output.
Metering	Adjust the exposure method.
AF Mode	Adjust the AF method.
ISO	Set ISO sensitivity.
Face priority	Adjust face priority.
REC	Press the button to record a movie.

Switching the information display

When setting to [On] in [Info/Info Settings], you can switch the information displayed in the monitor during shooting using the **INFO** button.



Level gauge display

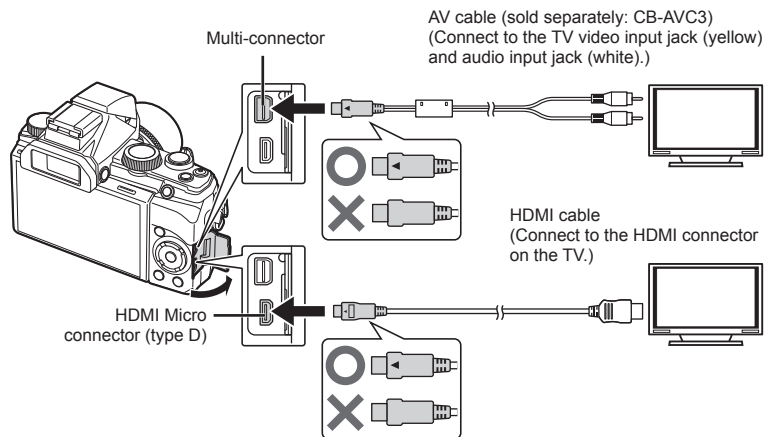
Indicate the orientation of the camera. The "tilt" direction is indicated on the vertical bar and the "horizon" direction on the horizontal bar. Use the indicators on the level gauge as a guide. If the level gauge does not indicate the orientation correctly, calibrate the angle of the level gauge. [Level Adjust] (P. 68)

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. 68)

Viewing camera images on TV

Use the AV cable (sold separately) to playback recorded images on your TV. You can playback high-definition images on a high-definition TV by connecting it to the camera using the HDMI cable (sold separately).



1 Use the cable to connect the camera to the TV.

- Adjust settings on the TV before connecting the camera.
- Choose the camera video mode before connecting the camera via an AV cable.
 [Video Out] (P. 71)

2 Choose the TV input channel.

- The camera monitor turns off when the cable is connected.
- Press the button when connecting via an AV cable.



! Cautions

- 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 using both an A/V and HDMI cable, it will assign priority to HDMI.
- 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.

1080i	Priority is given to 1080i HDMI output.
720p	Priority is given to 720p HDMI output.
480p/576p	480p/576p HDMI output. 576p is used when [PAL] is selected for [Video Out] (P. 71).

Using the TV remote control

The camera can be operated by a TV remote control when connected to a TV that supports HDMI control.

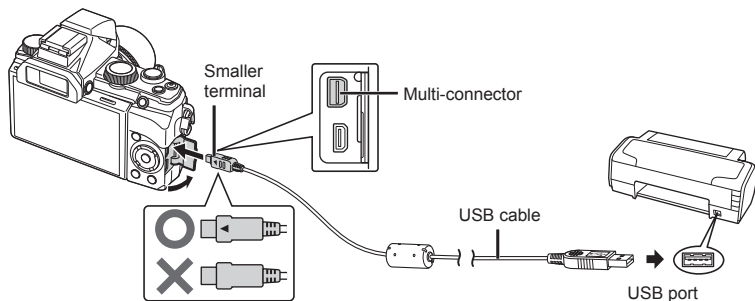
- 1** Select [HDMI] in  Custom Menu tab .
- 2** Select [HDMI Control] and choose [On].
- 3** Operate the camera by using the TV remote control.
 - You can operate the camera by following the operation guide displayed on the TV.
 - During single-frame playback, you can display or hide the information 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.
 - You cannot shoot pictures or movies when the HDMI cable is connected.
 - 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.

Printing Pictures

Direct printing (PictBridge)

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

Connecting the camera




⚠ Cautions

- Use a fully charged battery for printing.
- RAW images and movies can not be printed.


■ Easy printing

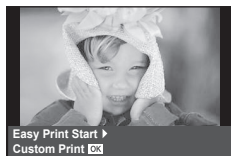
1 Use ◀▶ to display the pictures you want to print on the camera.

2 Connect the camera to the printer using the supplied USB cable.

- If the easy print start screen is not displayed, select [Auto] for the USB mode in the camera custom menu  before connecting to PC again.

3 Press ▷.

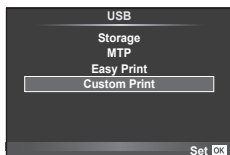
- The picture selection screen appears when printing is completed. To print another picture, use ◀▶ to select the image and press .
- To exit, unplug the USB cable from the camera while the picture selection screen is displayed.



■ 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. 68) in the camera custom menus.



2 Use Δ ∇ to select [Custom Print].

- [Do Not Remove USB Cable] will be displayed, followed by a print-mode selection dialog.
- If the screen is not displayed after a few minutes, disconnect the USB cable and start again from Step 1.

3 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 is no 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 a 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 (L)	Applies print reservation to the currently displayed picture. If you want to apply reservation to other pictures after applying [Single Print], use <L> to select them.
More (V)	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.

	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.
	Trims the picture for printing. Set the trimming size with the control ring or sub dial, and set the trimming position with Δ ∇ <L>.

4 Once you have set the pictures for printing and printing data, select [Print], then press **OK**.

- To stop and cancel printing, press **OK**. To resume printing, select [Continue].

■ Cancelling printing

To cancel printing, highlight [Cancel] and press **OK**. 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 reservation (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 **OK** during playback and select [□].
- 2 Select [□] or [ALL] and press **OK**.

Individual pictures

Press **◀▶** to select the frame that you want to set as print reservation, then press **△▽** to set the number of prints.

- To set print reservation for several pictures, repeat this step. Press **OK** when all the desired pictures have been selected.

All pictures

Select [ALL] and press **OK**.

- 3 Select the date and time format and press **OK**.

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.

- 4 Select [Set] and press **OK**.

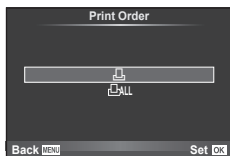
! Cautions

- The camera can not 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 can not include RAW images or movies.

■ Removing all or selected pictures from the print order

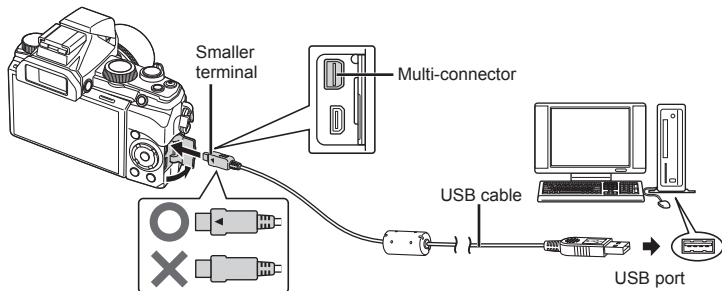
You can reset all print reservation data or just the data for selected pictures.

- 1 Press **OK** during playback and select [□].
- 2 Select [□] and press **OK**.
 - To remove all pictures from the print order, select [Reset] and press **OK**.
To exit without removing all pictures, select [Keep] and press **OK**.
- 3 Press **◀▶** to select images you wish to remove from the print order.
 - Use **▽** to set the number of prints to 0. Press **OK** once you have removed all the desired pictures from the print order.
- 4 Select the date and time format and press **OK**.
 - This setting is applied to all frames with print reservation data.
- 5 Select [Set] and press **OK**.



Connecting the camera to a computer

Connecting the camera



! Caution

- When the camera is connected to another device via USB, a message will be displayed prompting you to choose a connection type. Select [Storage].
- 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.
- If the message is not displayed, select [Auto] for the USB mode in the camera custom menu (P. 68) before connecting PC again.

Installing Software

■ Windows

1 Insert the supplied CD in a CD-ROM drive.

Windows XP

- A "Setup" dialog will be displayed.

Windows Vista/Windows 7/Windows 8

- An Autorun dialog will be displayed. Click "OLYMPUS Setup" to display the "Setup" dialog.



! Caution

- If the "Setup" dialog is not displayed, select "My Computer" (Windows XP) or "Computer" (Windows Vista/Windows 7) from the start menu. Double-click the CD-ROM (OLYMPUS Setup) icon to open the "OLYMPUS Setup" window and then double-click "LAUNCHER.EXE".
- If a "User Account Control" dialog is displayed, click "Yes" or "Continue".

2 Follow the on-screen instructions on your computer.

3 Register your Olympus product.

- Click the “Registration” button and follow the on-screen instructions.

4 Install OLYMPUS Viewer 3.

- Check the system requirements before beginning installation.
- Click the “OLYMPUS Viewer 3” button and follow the on-screen instructions to install the software.

Operating System	Windows XP SP3/Windows Vista SP2/ Windows 7 SP1/Windows 8
Processor	Pentium 4 1.3 GHz or better (Core 2 Duo 2.13 GHz or better required for movies)
RAM	1 GB or more (2 GB or more recommended)
Free Hard Drive Space	3 GB or more
Monitor Settings	1024 × 768 pixels or more Minimum 65,536 colors (16,770,000 colors recommended)

- See online help for information on using the software.

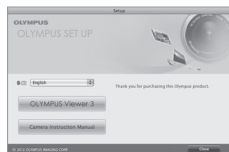
■ Macintosh

1 Insert the supplied CD in a CD-ROM drive.

- The disk contents should automatically be displayed in the Finder. If they are not, double-click the CD icon on the desktop.
- Double-click the “Setup” icon to display the “Setup” dialog.

2 Install OLYMPUS Viewer 3.

- Check the system requirements before beginning installation.
- Click the “OLYMPUS Viewer 3” button and follow the on-screen instructions to install the software.



Operating System	Mac OS X v10.5–v10.8
Processor	Intel Core Solo/Duo 1.5 GHz or better (Core 2 Duo 2.13 GHz or better required for movies)
RAM	1 GB or more (2 GB or more recommended)
Free Hard Drive Space	3 GB or more
Monitor Settings	1024 × 768 pixels or more Minimum 32,000 colors (16,770,000 colors recommended)

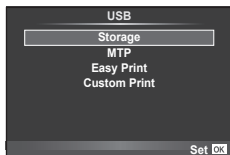
- Other languages can be selected from the language combo box. For information on using the software, see online help.

Copying pictures to a computer without OLYMPUS Viewer 3

Your camera supports the USB Mass Storage Class. You can transfer images to a computer by connecting the camera to the computer with the provided USB cable. The following operating systems are compatible with the USB connection:

Windows	Windows XP SP3 / Windows Vista SP2 / Windows 7 SP1 / Windows 8
Macintosh	Mac OS X v10.5-v10.8

- 1 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 $\Delta \nabla$ to select [Storage]. Press OK .



- 4 The computer recognizes the camera as a new device.

Cautions

- If your computer is running Windows Vista/Windows 7/Windows 8, select [MTP] in Step 3 to use Windows Photo Gallery.
- 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 and home-built computers
- Camera controls can not be used while the camera is connected to a computer.
- If the dialog shown in Step 2 is not displayed when the camera is connected, select [Auto] for [USB Mode] (P. 68) in the camera custom menus.

Eyecup

You can exchange this for a larger eyecup (EP-11).

Removing



Using 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.

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.

Functions available with external flash units

Optional flash	Flash control mode	GN (Guide number) (ISO100)
FL-14	TTL-AUTO, AUTO, MANUAL	GN14 (28 mm*)
FL-36R		GN36 (85 mm*) GN20 (24 mm*)
FL-50R		GN50 (85 mm*) GN28 (24 mm*)
FL-300R		GN20 (28 mm*)
FL-600R		GN36 (85 mm*) GN20 (24 mm*)

* The focal length of the lens that can be used (Calculated based on 35 mm film camera).

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 control the flash units in up to three separate groups. See the instruction manuals provided with the external flash units for details.

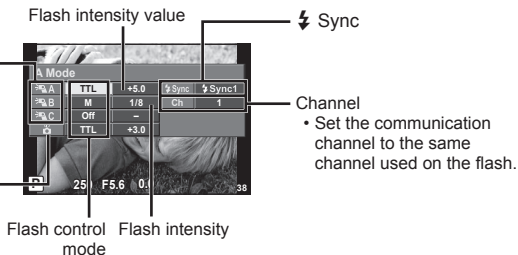
- Set the remote flash units to RC mode and place them as desired.
 - Turn each flash unit on, press the MODE button, and select RC mode.
 - Select a channel and group for each flash unit.
- Select [On] for [**⚡** RC Mode] in **☑** Shooting menu 2 (P. 46).
 - The super control panel switches to RC mode.
 - You can choose a 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 super control panel.

Group

- Select the flash control mode and adjust the flash intensity separately for each group. For MANUAL, select the flash intensity.

Adjust settings for the camera flash unit.

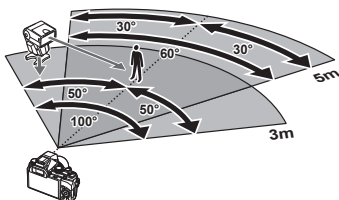


4 Press the flash switch to pop up the internal flash.

- 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.



! Cautions

- We recommend using a single group of up to three remote flash units.
- Remote flash units can not be used for second curtain slow synchronization longer than 4 seconds.
- If the subject is too close to the camera, the control flashes emitted by the built-in flash may affect exposure (this effect can be reduced by reducing the output of the built-in flash by, for example, using a diffuser).

Other external flash units

Observe the following precautions when mounting an external flash unit not designated for use with this camera on the camera hot shoe:


- Using obsolete flash units that apply currents of more than about 24 V to the camera hot shoe X-contact will damage the camera.
- Connecting flash units with signal contacts that do not conform to Olympus specifications may damage the camera.
- Use only with the camera in shooting mode **M** at ISO settings other than [AUTO].
- Flash control can only be achieved 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.

If the camera does not work as intended, or if an error message is displayed on the screen, and you are unsure of what to do, refer to the information below to fix the problem(s).

Troubleshooting

■ Battery

The camera does not work even when batteries are installed.

- Insert recharged batteries in the correct direction.  "Inserting and removing the battery and card" (P. 7)
- Battery performance may have been reduced temporarily due to low temperature. Take the batteries out of the camera, and warm them by putting them in your pocket for a while.



■ Card

An error message is displayed.

-  "Error message" (P. 93)

■ Shutter button

No picture is taken when the shutter button is pressed.

- Cancel sleep mode.
To save battery power, the camera automatically goes into sleep mode and the monitor turns off if no operations are performed for a pre-determined period of times while the camera is on. No picture is taken even if the shutter button is fully pressed in this mode. Operate the zoom lever or other buttons to restore the camera from sleep mode before taking a picture. If the camera is left for another 5 minutes, it automatically turns off. Press the **ON/OFF** button to turn the camera on.
- Press the  button to switch to the shooting mode.
- Wait until  (flash charge) stops blinking before taking pictures.

- With prolonged camera use, the internal temperature may increase, resulting in automatic shutdown. If this occurs, wait until the camera has sufficiently cooled. The camera's external temperature may also increase during use, however this is normal and does not indicate malfunction.

■ Monitor

Difficult to see.

- Condensation may have occurred. Turn off the power, and wait for the camera body to become acclimated to the surrounding temperature and dry out before taking pictures.

The light is caught in the picture.


- Shooting with flash in dark situations results in an image with many flash reflections on dust in the air.

■ Date and time function







Date and time settings return to the default setting.










- If the batteries are removed and left out of the camera for about 3 days^{*1}, the date and time settings return to the default setting, and must be reset.

^{*1} The time until the date and time settings return to the default setting varies depending on how long the batteries have been loaded.

-  "Turning on the camera and making the initial settings" (P. 8)

Error message

Monitor indication	Possible cause	Corrective action
 Card Error	There is a problem with the card.	Insert the card again. If the problem persists, format the card. If the card cannot be formatted, it cannot be used.
 Write Protect	Writing to the card is prohibited.	The card write-protect switch is set to the "LOCK" side. Release the switch. (P. 100)
 Card Full	<ul style="list-style-type: none"> The card is full. No more pictures can be taken or no more information such as print reservation can be recorded. There is no space in the card and print reservation or new images cannot be recorded. 	Replace the card or erase unwanted pictures. Before erasing, download important images to a PC.
 No Picture	There are no pictures on the card.	The card contains no pictures. Record pictures and play back.
 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.
 The Image Cannot Be Edited	Pictures taken with another camera cannot be edited on this camera.	Use image processing software to edit the picture.





Monitor indication	Possible cause	Corrective action
		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 connected to the computer or printer correctly.	Disconnect the camera and connect it again correctly.
 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.

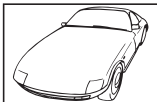
Shooting tips

When you are unsure of how to take a picture that you envision, refer to the information below.

■ Focusing

Focusing on the subject.

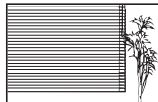
- **Take pictures using the touch screen.**  P. 43
- **Taking a picture of a subject not in the center of the monitor.**  P. 39
After focusing on an object at the same distance as the subject, compose the shot, and take the picture.
- **Using the face priority AF.**  P. 40
- **Taking a picture of a shadowy subject.**  P. 68
Using the AF illuminator makes focusing easier.
- **Taking a picture of subjects where autofocus is difficult.**
In the following cases, after focusing on an object (by pressing the shutter button halfway down) with high contrast at the same distance as the subject, compose the shot, and take the picture.



Subject with low contrast



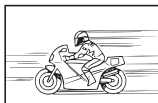
Excessively bright light in center of frame



Subject containing no vertical lines^{*1}



Subjects at different distances^{*1}



Fast-moving subject







Subject not inside AF area

*1 It is also effective to compose the shot by holding the camera vertically to focus, and then returning to the horizontal position to take the picture.







■ Camera shake

Taking pictures without camera shake.

- **Taking pictures using [Image Stabilizer].**   P. 33
The image pickup device shifts to correct for camera shake even if the ISO sensitivity is not increased. This function is also effective when taking pictures at a high zoom magnification.
- **Select [Sport] in the scene mode.**  P. 21
The [Sport] mode uses a fast shutter speed and can reduce the blur incurred by a moving subject.
- **Taking pictures at a high ISO sensitivity.**  P. 40
If a high ISO sensitivity is selected, pictures can be taken at a high shutter speed even at locations where a flash cannot be used.


■ Exposure (brightness)

Taking pictures with the right brightness.

- **Select [Auto] for [Gradation] in picture mode.**  P. 33
- **Taking pictures using [Spot Metering].**  P. 38
Brightness is matched with a subject in the center of the screen and the image is not affected by background light.
- **Taking pictures using [Fill In] flash.**  P. 28
A subject against backlight is brightened.
- **Taking pictures of a white beach or snow scene.**  P. 21
Select [ Beach & Snow] in the scene mode.
- **Taking pictures using exposure compensation.**  P. 29
Adjust the brightness while viewing the screen for taking the picture. Normally, taking pictures of white subjects (such as snow) results in images that are darker than the actual subject. Use the exposure compensation to adjust in the positive (+) direction to express whites as they appear. When taking pictures of black subjects, on the other hand, it is effective to adjust in the negative (-) direction.


■ Color hue

Taking pictures with colors at the same shade as they appear.

- **Taking pictures by selecting white balance.**  P. 34
Best results in most environments can normally be obtained with the [WB Auto] setting, but for some subjects, you should try experimenting with different settings. (This is especially true for sunshade under a clear sky, mixed natural and artificial light settings, and so on.)

■ Image quality

Taking sharper pictures.

- **Taking pictures at a low ISO sensitivity.**  P. 40
If the picture is taken with a high ISO sensitivity, noise (small colored spots and color unevenness that were not in the original image) can occur, and the image can appear grainy.

Playback/Editing tips

■ Playback

Viewing images with high picture quality on a highdefinition TV

- Connect the camera to the TV using an HDMI cable (sold separately).  P. 80

■ Editing

Erasing the sound recorded to a still image.

- Display a still image to erase the sound, and select [Erase] for [].  P. 55

Cleaning and storing the camera

Camera care

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 commercial blower, then wipe gently with a lens cleaner.

⚠ Cautions

- Do not use strong solvents such as benzene or alcohol, or a chemically treated cloth.
- Mold may form on the lens surface if the lens is left dirty.

Storage

- When storing the camera for extended periods, remove the battery, adapter and card, and keep in a cool, dry place that is well ventilated.
- Periodically insert the battery and test the camera functions.



⚠ Cautions

- Avoid leaving the camera in places where chemical products are handled since this may result in corrosion.

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 Select [Pixel Mapping] in  Custom Menu (P. 68) tab .

2 Press , then press .

- The [Busy] bar is displayed when pixel mapping is in progress. When pixel mapping is finished, the menu is restored.

⚠ Cautions

- If you accidentally turn the camera off during pixel mapping, start again from Step 1.

Battery and charger

- Use the single Olympus lithium-ion battery. Use only genuine OLYMPUS rechargeable 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.
 - The zoom is used repeatedly.
 - 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.
- The normal charging time using the provided charger is approximately 3 hours 30 minutes (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.

Cautions

- There is a risk of explosion if the battery is replaced with the incorrect battery type.
- Dispose of the used battery following the instructions "Battery Handling Precautions" (P. 113).

Using your charger abroad

- The charger can be used in most home electrical sources within the range of 100V to 240V AC (50/60Hz) 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. For details, ask at your local electrical shop or travel agent.
- Do not use commercially available travel adapters as the charger may malfunction.

Using the card

Cards compatible with this camera

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. If you set the switch to the “LOCK” side, you will not be able to write to the card, delete data or format. Return the switch to the unlock position enable writing.



! Cautions

- 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.  [Eye-Fi] (P. 76)
- 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.

Record mode and file size/number of storable still pictures

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

Record mode	Number of pixels (Pixel Count)	Compression	File format	File size (MB)	Number of storable still pictures
					Card*1
RAW	4000×2992	—	ORF	Approx. 18.5	190
SF	3968×2976	1/2.7	JPEG	Approx. 8.8	420
F		1/4		Approx. 6.1	600
N		1/8		Approx. 3.3	1,320
B		1/12		Approx. 2.3	1,960
SF	3200×2400	1/2.7		Approx. 5.9	620
F		1/4		Approx. 4.2	1,020
N		1/8		Approx. 2.3	2,030
B		1/12		Approx. 1.7	2,970
SF	2560×1920	1/2.7		Approx. 4.0	1,080
F		1/4		Approx. 2.8	1,580
N		1/8		Approx. 1.7	3,120
B		1/12		Approx. 1.3	4,520
SF	1920×1440	1/2.7		Approx. 2.0	1,900
F		1/4		Approx. 1.4	2,770
N		1/8		Approx. 0.7	5,300
B		1/12		Approx. 0.5	7,620
SF	1600×1200	1/2.7		Approx. 1.4	2,710
F		1/4		Approx. 1.0	3,930
N		1/8		Approx. 0.5	7,620
B		1/12		Approx. 0.3	10,170
SF	1280×960	1/2.7		Approx. 0.9	4,060
F		1/4		Approx. 0.6	5,810
N		1/8		Approx. 0.3	11,090
B		1/12		Approx. 0.3	15,250
SF	1024×768	1/2.7	Approx. 0.6	6,100	
F		1/4	Approx. 0.4	8,710	
N		1/8	Approx. 0.2	15,250	
B		1/12	Approx. 0.2	20,340	
SF	640×480	1/2.7	Approx. 0.3	13,560	
F		1/4	Approx. 0.2	20,340	
N		1/8	Approx. 0.1	30,510	
B		1/12	Approx. 0.1	40,680	

*1 Assumes a 4GB SD card.

Cautions

- The number of remaining pictures may change according to the subject, whether or not print reservations have been made, and other factors. In certain instances, the number of remaining 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.












Menu directory

*1: Can be added to [C Mode Setup].







*2: Default can be restored by selecting [Full] for [Reset].

*3: Default can be restored by selecting [Basic] for [Reset].

Shooting Menu 1 / Shooting Menu 2

Tab	Function		Default	*1	*2	*3		
	Card Setup		All Erase/ Cancel				47	
	Reset/C Mode Setup		—				47	
	Picture Mode		 Natural	✓	✓	✓	33	
		Still Picture	 N	✓	✓	✓	36	
		Movie	Full HD					
Image Aspect		4:3	✓	✓	✓	36		
			<input type="checkbox"/>	✓	✓	✓	30	
	Image Stabilizer		On	✓	✓	✓	33	
	Bracketing	AE BKT		Off				51
		WB BKT	A-B	Off	✓	✓	✓	51
			G-M					
		FL BKT		Off				
		ISO BKT		Off				
	ART BKT		Off					
			Off	✓	✓	✓	53	
			 Sync 1	✓	✓	✓	53	
		Off	✓	✓	✓	53		

Playback Menu

Tab	Function		Default	*1	*2	*3		
		Start	Start				56	
		BGM	Cosmic		✓	✓		
		Effect	Standard		✓	✓		
		Slide	All		✓	✓		
		Slide Interval	3sec		✓	✓		
		Movie Interval	Short		✓	✓		
			On		✓	✓	58	
	Edit	Sel. Image	RAW Data Edit	—				58
			JPEG Edit	—				58
				—				59
		—				85		
Reset Protect		—				59		
Connection to Smartphone		—				59, 64		

f Setup Menu

Tab	Function	Default	*1	*2	*3		
f	World Time	Home/Alternate	✓	✓	✓	60	
	*	—					
		±0, ±0, Natural		✓			
	Rec View	2 sec	✓	✓	✓		
	Firmware	—					
	Wi-Fi Settings	Wi-Fi Connect Settings	Private		✓		
		Private Password	—				
		Reset share Order	—				
		Reset Wi-Fi Settings	—				
		OFF	—				

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

⚙ Custom Menu

Tab	Function	Default	*1	*2	*3			
⚙	AF/MF							
	AF Mode	Still Picture	S-AF	✓	✓	✓	70	
	AF Area			✓	✓	✓		
	Set Home			✓	✓	✓		
	AF Illuminat.	On		✓	✓	✓		
	Face Priority	Face Priority Off		✓	✓	✓		
	MF Assist.	On		✓	✓			
	Button/dial/Lever							
	Button Function	Fn1 Function	Off				70	
		Fn2 Function	—	✓	✓	✓		
		Function	Movie		✓	✓		✓
		Function			✓	✓		✓
		Function			✓	✓		✓
	Dial Function	P	:Ps				70	
		A	:FNo.					
		S	:Shutter					
		M	:Shutter :FNo.					
			:Ps	✓	✓			
		SCN	:Mode Switching					
		ART	:Mode Switching					
		Menu	:◀▶ /Value					
			: :Prev/Next					
	Lever Function	MF		✓	✓	✓		
	Dial Direction	Exposure			✓	✓		
		Menu			✓	✓		
MF				✓	✓			
Zoom				✓	✓			
Power On	Yes		✓	✓	✓			
Zoom Speed	Low		✓	✓				

Tab	Function		Default	*1	*2	*3		
	Connection/Sound							
	HDMI	HDMI Out	1080i		✓		71	
		HDMI Control	Off			✓		
	Video Out		—					
	Beep Sound		On	✓	✓	✓		
	Volume		3			✓		✓
	USB Mode		Auto			✓		✓
	Display							
	Info Settings	Info	<input checked="" type="checkbox"/> Image Only					
			<input checked="" type="checkbox"/> Overall		✓	✓	✓	
		<input type="checkbox"/> Highlight&Shadow						
	LV-Info		<input checked="" type="checkbox"/> Highlight&Shadow					
			<input type="checkbox"/> Level Gauge 1		✓	✓		
			<input type="checkbox"/> Level Gauge 2					
			<input checked="" type="checkbox"/> Image Only					
	Settings		<input type="checkbox"/>					
			<input type="checkbox"/>		✓	✓		
			<input checked="" type="checkbox"/>					
	Displayed Grid		Off		✓	✓		72
	Control Settings	iAUTO	<input checked="" type="checkbox"/> Live Guide					
<input type="checkbox"/> Live Control				✓	✓			
<input type="checkbox"/> Live SCP								
P/A/S/M		<input checked="" type="checkbox"/> Live Control			✓	✓		
	<input type="checkbox"/> Live SCP							
ART	<input checked="" type="checkbox"/> Art Menu							
	<input type="checkbox"/> Live Control			✓	✓			
	<input type="checkbox"/> Live SCP							
SCN	<input checked="" type="checkbox"/> Scene Menu							
	<input type="checkbox"/> Live Control			✓	✓			
	<input type="checkbox"/> Live SCP							

Tab	Function		Default	*1	*2	*3	
	Picture Mode Settings		<input checked="" type="checkbox"/> i-Enhance				72
			<input checked="" type="checkbox"/> Vivid				
			<input checked="" type="checkbox"/> Muted				
			<input checked="" type="checkbox"/> Portrait				
			<input checked="" type="checkbox"/> Monotone				
			<input checked="" type="checkbox"/> Soft Focus				
			<input checked="" type="checkbox"/> Pale&Light Color				
			<input checked="" type="checkbox"/> Light Tone	✓	✓		
			<input checked="" type="checkbox"/> Grainy Film				
			<input checked="" type="checkbox"/> Pin Hole				
<input checked="" type="checkbox"/> Diorama							
<input checked="" type="checkbox"/> Cross Process							
<input checked="" type="checkbox"/> Gentle Sepia							
<input checked="" type="checkbox"/> Dramatic Tone							
<input checked="" type="checkbox"/> Key Line							
Histogram Settings	Highlight	255					
	Shadow	0		✓			
Live View Boost		Off	✓	✓	✓		
Sleep		1 min	✓	✓	✓		
	Exp//ISO						
Metering			✓	✓	✓	73	
[]+Metering		Off	✓	✓	✓		
Noise Reduct.		Auto	✓	✓	✓		
Noise Filter		Standard	✓	✓	✓		
ISO		Auto	✓	✓	✓		
ISO-Auto Set		High Limit: 1600 Default: 100	✓	✓	✓		
Bulb Timer		15 min	✓	✓	✓		
	⚡ Custom						
⚡ Slow Limit		1/30	✓	✓	✓	73	
+		Off	✓	✓	✓		
	←/Color/WB						
WB		Auto	✓	✓	✓	74	
All	All Set	A:±0, G:±0	✓	✓			
	All Reset	No		✓			
Keep Warm Color		On	✓	✓	✓		
⚡+WB		Off	✓	✓	✓		
Color Space		sRGB	✓	✓	✓		
← Set		←-1: F ←-2: N ←-3: N ←-4: N	✓	✓	✓		
Pixel Count	Middle	2560×1920	✓	✓	✓		
	Small	1280×960					

Tab	Function	Default	*1	*2	*3		
	Record						
	File Name	Reset		✓		75	
	Edit filename	sRGB	Off		✓		
		Adobe RGB					
	dpi Settings		350				
	Copyright Settings	Copyright Info.	Off		✓		
		Artist Name	—				
		Copyright Name	—				
	Movie						
	Movie	On		✓	✓	✓	75
	Wind Noise Reduction	Off		✓	✓	✓	
	Recording Volume	Normal		✓	✓		
	Utility						
	Pixel Mapping		—				76
	Exposure Shift		±0		✓	✓	
	Level Adjust	Reset			✓		
	Touch Screen Settings		On			✓	
	Eye-Fi		On				
m/ft *		m					
EVF Adjust	EVF Auto Luminance	On			✓	✓	
	EVF Adjust	±0, ±0					
EVF Auto Switch		On			✓		
While Exposing		Off		✓	✓		

* Displayed when MF is selected.

List of settings available in each shooting mode

	i/AUTO	P/A/S/M	C1/C2	☐	
				Standard	Fun Frames
	—	✓	✓	—	—
Highlight&Shadow	—	✓	✓	—	—
IS Mode	✓	✓	✓	✓	✓
Picture Mode	—	✓	✓	—	—
WB		✓	✓	✓	✓
	*1	✓	✓	—	—
Aspect	✓	✓	✓	—	—
Image Quality	✓	✓	✓	✓	✓
Image Quality	*1	✓	✓		
	*1	*1	✓	✓	✓
	—	✓	✓	✓	✓
Metering	—	✓	✓	—	—
AF Mode	✓	✓	✓	*1	*1
ISO	—	*1	✓	✓	✓
Face Priority	—	✓	✓	—	—
ND Filter Setting	—	✓	✓	✓	✓
Movie	✓	✓	✓		
Digital Tele-converter	✓	✓	✓	—	—
	✓	✓	✓	✓	✓

*1 Some functions cannot be set.

List of SCN settings

	—	—	—	—	—	—	—	—	—	—	—	—
Highlight&Shadow	—	—	—	—	—	—	—	—	—	—	—	—
IS Mode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Picture Mode	—	—	—	—	—	—	—	—	—	—	—	—
WB	—	—	—	—	—	—	—	—	—	—	—	—
	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
Aspect	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	✓
Image Quality	✓	*1	✓	✓	✓	✓	✓	✓	*1	✓	✓	✓
Image Quality	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
	*1	*1	—	*1	—	*1	—	—	—	—	*1	*1
	—	—	—	—	—	—	—	—	—	—	—	—
Metering	—	—	—	—	—	—	—	—	—	—	—	—
AF Mode	—	—	—	—	—	—	—	—	—	—	✓	—
ISO	—	—	—	—	—	—	—	—	—	—	—	—
Face Priority	✓	✓	✓	✓	✓	✓	✓	—	—	✓	✓	✓
ND Filter Setting	—	—	—	—	—	—	—	—	✓	—	—	—
Movie	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Digital Tele-converter	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

*1 Some functions cannot be set.

List of ART settings

	Pop Art	Soft Focus	Pale & Light Color	Light Tone	Grainy Film
	✓	✓	✓	✓	✓
Highlight&Shadow	✓	✓	✓	✓	✓
IS Mode	✓	✓	✓	✓	✓
Picture Mode	—	—	—	—	—
WB	✓	✓	✓	✓	✓
	*1	*1	*1	*1	*1
Aspect	✓	✓	✓	✓	✓
Image Quality	✓	✓	✓	✓	✓
Image Quality	*1	*1	*1	*1	*1
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
Metering	✓	✓	✓	✓	✓
AF Mode	✓	✓	✓	✓	✓
ISO	✓	✓	✓	✓	✓
Face Priority	✓	✓	✓	✓	✓
ND Filter Setting	✓	✓	✓	✓	✓
Movie	✓	✓	✓	✓	✓
Digital Tele-converter	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓

	Pin Hole	Diorama	Cross Process	Gentle Sepia	Dramatic Tone	Key Line
	✓	✓	✓	✓	✓	✓
Highlight&Shadow	✓	✓	✓	✓	✓	✓
IS Mode	✓	✓	✓	✓	✓	✓
Picture Mode	—	—	—	—	—	—
WB	✓	✓	✓	✓	✓	✓
	*1	*1	*1	*1	*1	*1
Aspect	✓	✓	✓	✓	✓	✓
Image Quality	✓	✓	✓	✓	✓	✓
Image Quality	*1	*1	*1	*1	*1	*1
	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓
Metering	✓	✓	✓	✓	✓	✓
AF Mode	✓	✓	✓	✓	✓	✓
ISO	✓	✓	✓	✓	✓	✓
Face Priority	✓	✓	✓	✓	✓	✓
ND Filter Setting	✓	✓	✓	✓	✓	✓
Movie	✓	✓	✓	✓	✓	✓
Digital Tele-converter	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓

*1 Some functions cannot be set.

Specifications

Camera

Product type	
Product type	Compact digital camera
Image pickup device	
Product type	1/1.7" CMOS sensor
No. of effective pixels	Approx. 12,000,000 pixels
Aspect ratio	1.33 (4:3)
Viewfinder	
Type	Electronic viewfinder with eye sensor
No. of pixels	1,440,000 pixels
Magnification	100%
Eye point	Approx. 18.0 mm (-1 m ⁻¹)
Monitor	
Product type	3.0" TFT color LCD display, touch screen
Total no. of pixels	Approx. 920,000 dots (aspect ratio 3:2)
Lens	
	Olympus lens 6.0 to 64.3 mm, f2.8 (Equivalent to 28 to 300 mm on a 35 mm film)
ND Filter	
	3 EV equivalent
Shutter	
Shutter speed	1/2000-60 sec., bulb photography
Shooting range	
	0.1 m (4 inch) to ∞ (W), 0.8 m (2.6 ft.) to ∞ (T) (Normal/Macro) 0.05 m (2 inch) to 0.6 m (2 ft.) (super macro mode)
Auto focus	
Product type	Imager contrast detection system
Focusing points	Maximum of 35 points
Exposure control	
Metering system	TTL metering system (imager metering) ESP metering/Center weighted averaging metering/Spot metering/ Selected target metering
Metered range	EV-3-17 (ESP metering/Center weighted averaging metering/Spot metering)
ISO sensitivity	100-12800 (1/3 EV step)
Exposure compensation	±3 EV (1/3 EV step)
White balance	
Mode setting	Auto/Preset WB (7 settings)/Customized WB/One-touch WB
Recording	
Memory	SD/SDHC/SDXC (supports UHS-I), Eye-Fi card
Recording system	Digital recording, JPEG (in accordance with Design rule for Camera File system (DCF)), RAW Data
Applicable standards	Exif 2.3, Digital Print Order Format (DPOF), PRINT Image Matching III, PictBridge
Sound with still pictures	Wave format
Movie	MOV(MPEG-4 AVC/H.264)/AVI Motion JPEG
Audio	PCM 48kHz

Playback	
Display format	Single-frame playback/Close-up playback/Index display
External connector	
	Multi-connector (USB connector, AV connector)/ HDMI micro connector (Type D)
Automatic calendar system	
	2000 up to 2099
Power supply	
Battery	One Olympus lithium ion battery (BLS-5)
Dimensions/weight	
Dimensions	116.2 mm (W) × 87 mm (H) × 56.5 mm (D) (4.6" × 3.4" × 2.2") (excluding protrusions)
Weight	Approx. 402 g (14.0 oz.) (including battery and memory card)
Operating environment	
Temperature	0 °C - 40 °C (32 °F - 104 °F) (operation)/ -20 °C - 60 °C (-4 °F - 140 °F) (storage)
Humidity	30% - 90% (operation)/10% - 90% (storage)

■ Lithium ion battery

MODEL NO.	BLS-5
Product type	Rechargeable Lithium ion battery
Nominal voltage	DC 7.2 V
Nominal capacity	1150 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. 35.5 mm (W) × 12.8 mm (H) × 55 mm (D) (1.4" × 0.5" × 2.2")
Weight	Approx. 44 g (0.1 lb.)

■ Lithium ion charger

MODEL NO.	BCS-5
Rated input	AC 100 V - 240 V (50/60 Hz)
Rated output	DC 8.35 V, 400 mA
Charging time	Approx. 3.5 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. 62 mm (W) × 38 mm (H) × 83 mm (D) (2.4" × 1.5" × 3.3")
Weight (without AC cable)	Approx. 70 g (0.2 lb.)

- 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.

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HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
<p>CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED OLYMPUS SERVICE PERSONNEL.</p>		



An exclamation mark enclosed in a triangle alerts you to important operating and maintenance instructions in the documentation provided with the product.



DANGER If the product is used without observing the information given under this symbol, serious injury or death may result.



WARNING If the product is used without observing the information given under this symbol, injury or death may result.



CAUTION If the product is used without observing the information given under this symbol, minor personal injury, damage to the equipment, or loss of valuable data may result.

WARNING!
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.

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.

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

Water and Moisture — For precautions on products with weatherproof designs, read the weatherproofing sections.

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

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.

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.

Handling the Camera



WARNING

- Do not use the camera near flammable or explosive gases.
- 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.
- Keep young children and 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.
- Do not look at the sun or strong lights with the camera.
- Do not use or store the camera in dusty or humid places.
- Do not cover the flash with a hand while firing.
- Use SD/SDHC/SDXC memory cards or Eye-Fi cards only. Never use other types of cards.
 - If you accidentally insert another type of card into the camera, contact an authorized distributor or service center. Do not try to remove the card by force.
- 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.



CAUTION

- 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.
- 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 low-temperature 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 low-temperature 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.
- Be careful with the strap.
 - Be careful with the strap when you carry the camera. It could easily catch on stray objects and cause serious damage.
- 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. When using products with weatherproof designs, read their manuals as well.
 - In places prone to strong vibrations.
- 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.
- Before transporting the camera, remove a tripod and all other non-OLYMPUS accessories.
- 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 push or pull severely on the lens.
- 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.

Battery Handling Precautions

Follow these important guidelines to prevent batteries from leaking, overheating, burning, exploding, or causing electrical shocks or burns.

DANGER

- The camera uses a lithium ion battery specified by Olympus. Charge the battery with the specified charger. Do not use any other chargers.
- Never heat or incinerate batteries.
- Take precautions when carrying or storing batteries to prevent them from coming into contact with any metal objects such as jewelry, pins, fasteners, etc.
- 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.
- 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.
- Always store batteries out of the reach of small children. If a child accidentally swallows a battery, 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.

WARNING

- Keep batteries dry at all times.
- To prevent batteries from leaking, overheating, or causing a fire or explosion, use only batteries recommended for use with this product.
- Insert the battery carefully as described in the operating instructions.
- If rechargeable batteries have not been recharged within the specified time, stop charging them and do not use them.
- Do not use a battery if it is cracked or broken.
- If a battery leaks, becomes discolored or deformed, or becomes abnormal in any other way during operation, stop using the camera.
- 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.
- Never subject batteries to strong shocks or continuous vibration.

CAUTION

- Before loading, always inspect the battery carefully for leaks, discoloration, warping, or any other abnormality.
- The battery may become hot during prolonged use. To avoid minor burns, do not remove it immediately after using the camera.
- Always unload the battery from the camera before storing the camera for a long period.
- This camera uses one Olympus lithium ion battery (BLS-5). No other type of batteries can be used. There is a risk of explosion if the battery is replaced with the incorrect battery type.
- 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.
- When an exhausted battery may cause the camera to turn off without displaying the battery level warning.
- The Olympus lithium ion battery is designed to be used only for the Olympus digital camera. Do not use the battery to other devices.

- 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.
- When storing the battery for a long period, select a cool location for storage.
- 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.

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.

Precautions when using the wireless LAN function

WARNING

- **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.

Copyright Notice

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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 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/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that are deemed to comply without testing of specific absorption ratio (SAR).

For customers in North and South America

For customers in USA

Declaration of Conformity

Model Number: STYLUS 1

Trade Name: OLYMPUS

Responsible Party:

OLYMPUS IMAGING AMERICA INC.

Address: 3500 Corporate Parkway, P.O. Box 610,
Center Valley, PA 18034-0610, U.S.A.

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:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

For customers in CANADA

This Class B digital apparatus complies with Canadian ICES-003. CAN ICES-3(B)

OLYMPUS WORLDWIDE LIMITED WARRANTY - IMAGING 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 any of Olympus Service Centers, 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, provided that 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.

The customer is liable and shall pay for shipment of the Products to the Olympus 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 manufacturers 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.

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 transfer any image or other data saved on a Product to another image or data storage medium and/or remove any film from the Product prior to sending the Product to Olympus for 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 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.

Package the Product carefully using ample padding material to prevent damage in transit and either deliver it to the Authorized Olympus Dealer that sold you the Product or ship it postage prepaid and insured to any of our Olympus Service Centers.

When returning Products for service, your package should include the following:

- 1 Sales receipt showing date and place of purchase.
- 2 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.
- 4 Sample prints, negatives, digital prints (or files on disk) if available and related to the problem.

When service is completed, the Product will be returned to you postage prepaid.

WHERE TO SEND PRODUCT FOR SERVICE

See "WORLDWIDE WARRANTY" for the nearest service center.

INTERNATIONAL WARRANTY SERVICE

International warranty service is available under this warranty.

For customers in Europe



"CE" mark indicates that this product complies with the European requirements for safety, health, environment and customer protection. "CE" mark cameras are intended for sales in Europe. Hereby, Olympus Imaging Corp. and Olympus Europa SE & Co. KG declare that this STYLUS 1 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. For details visit: <http://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

- 1 If this product proves to be defective, although it has been used properly (in accordance with the written Handling Care and Operating instructions 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.com> this product will be repaired, or at Olympus's option replaced, free of charge. To claim under this warranty the customer must take the product before the end of the applicable national warranty period to the dealer where the product 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.com>. During the one year period of the World Wide Guarantee the customer may turn the product in at any Olympus service station. Please notice that not in all countries such Olympus service station exists.
- 2 The customer shall transport the product to the dealer or Olympus authorized service station at his own risk and shall be responsible for any costs incurred in transporting the product.

Provisions of Guarantee

- 1 "OLYMPUS IMAGING CORP." grants a one year World Wide Guarantee. This worldwide Guarantee must be presented at an Olympus authorized repair service station before any repair can be made under conditions of this Guarantee. This Guarantee is valid only if the Guarantee Certificate and proof of purchase are presented at the Olympus repair service station. Please note that this Guarantee is in addition to and does not affect the customer's legal warranty rights under the applicable national legislation governing the sale of consumer goods mentioned above.
- 2 This Guarantee does not cover the following and the customer will be required to pay repair charge, even for defects occurring within the Guarantee period referred to above.
 - a. Any defect that occurs due to mishandling (such as an operation performed that is not mentioned in the Handling Care or other sections of the instructions, etc.)
 - b. 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.
 - g. Any defect that occurs due to sand, mud, etc. entering the inside of the product casing.
 - h. When the Guarantee Certificate is not returned with the product.
 - i. When any alterations whatsoever are made to the Guarantee Certificate regarding the year, month and date of purchase, the customer's name, the dealer's name, and the serial number.
 - j. When proof of purchase is not presented with this Guarantee Certificate.
- 3 This Guarantee applies to the product only; the Guarantee does not apply to any other accessory equipment, such as the case, strap, lens cap and batteries.
- 4 Olympus's sole liability under this Guarantee shall be limited to repairing or replacing the product. Any liability under the Guarantee 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.

Notes regarding Guarantee maintenance

- 1 This Guarantee will only be valid if the Guarantee Certificate is duly completed by Olympus or an authorized dealer or other documents contain sufficient proof. 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 this Guarantee Certificate. Olympus reserves the right to refuse free-of-charge service if neither Guarantee Certificate is completed nor the above document is attached or if the information contained in it is incomplete or illegible.
- 2 Since this Guarantee Certificate will not be re-issued, keep it in a safe place.
- * Please refer to the list on the web site: <http://www.olympus.com> for the authorized international Olympus service network.

For customers in Asia

Provisions of warranty

- 1 If this product proves to be defective, although it has been used properly (in accordance with the written Handling Care and Operating instructions supplied with it), during a period of up to one year from the date of purchase this product will be repaired, or at Olympus's option replaced, free of charge. To claim under warranty the customer must take the product and this Warranty certificate before the end of the one year warranty period to the dealer where the product was purchased or any Olympus authorized service station listed in the instructions and request the necessary repairs.
- 2 The customer shall transport the product to the dealer or Olympus authorized service station at his own risk and shall be responsible for any costs incurred in transporting the product.
- 3 This warranty does not cover the following and the customer will be required to pay repair charge, even for defects occurring within the one year period referred to above.
 - a. Any defect that occurs due to mishandling (such as an operation performed that is not mentioned in the Handling Care or other sections of the instructions, etc.)
 - b. 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.
 - g. Any defect that occurs due to sand, mud, etc. entering the inside of the product casing.
 - h. When this Warranty Certificate is not returned with the product.
 - i. When any alterations whatsoever are made to the Warranty Certificate regarding the year, month and date of purchase, the customer's name, the dealer's name, and the serial number.
 - j. When proof of purchase is not presented with this Warranty Certificate.
- 4 This Warranty applies to the product only; the Warranty does not apply to any other accessory equipment, such as the case, strap, lens cap and batteries.
- 5 Olympus' sole liability under this warranty shall be limited to repairing or replacing the product and any liability for indirect or consequential loss or damage of any kind incurred or suffered by the customer due to a defect in the product, and in particular any loss or damage caused to any film or lenses or other equipment or accessories used with the product or for any loss resulting from delay in repair, is excluded.

For customers in Thailand

This telecommunication equipment conforms to NTC technical requirement.

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

Notes;

- 1 This Warranty is in addition to and does not affect the customer's statutory right.
- 2 If you have any queries regarding this Warranty, call any of the Olympus authorized service stations listed in the instructions.

Notes regarding warranty maintenance

- 1 This Warranty will only be valid if the Warranty Certificate is duly completed by Olympus or the dealer. Make sure that your name, the name of the dealer, the serial number and the year, month and date of purchase are all completed.
- 2 Since this Warranty Certificate will not be re-issued, keep it in a safe place.
- 3 Any request for repair by a customer in same country where the product was purchased shall be subject to the terms of the warranty issued by the Olympus distributor in that country. Where the local Olympus distributor does not issue a separate warranty or where the customer is not in the country where the product was purchased the terms of this worldwide warranty shall apply.
- 4 Where applicable, this Warranty is valid worldwide. The Olympus authorized service stations listed in this Warranty will gladly honor it.
 - * Please refer to the appended list for the authorized international Olympus service network.

Disclaimer of Warranty

Olympus makes no representations or warranties, either expressed or implied, by or concerning any content if 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 of inability to use these written materials or software. Some states do not allow the exclusion or limitation of liability for consequential or incidental damages, so the above limitations may not apply to you.

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 registered trademark of Eye-Fi, Inc.
- 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.
- Powered by ARCSOFT.
- "Shadow Adjustment Technology" function contains patented technologies from Apical Limited.
- All other company and product names are registered trademarks and/or trademarks of their respective owners.



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