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.
- In the interest of continually improving products, Olympus reserves the right to update or modify information contained in this manual.
- The screen and camera illustrations shown in this manual were produced during the development stages and may differ from the actual product.
Step 1
Checking the contents of the box

Digital Camera
Strap
LI-42B Lithium-Ion Battery
LI-41C Battery Charger
USB Cable
AV Cable
OLYMPUS Master 2 CD-ROM
microSD Attachment

Other accessories not shown: Instruction Manual (this manual), warranty card
Contents may vary depending on purchase location.

Step 2
Preparing the Camera
“Preparing the Camera” (p. 10)

Step 3
Shooting and Playing Back Images
“Shooting, Playback, and Erasing” (p. 14)

Step 4
How to Use the Camera
“Three Ways to Adjust Settings” (p. 3)

Step 5
Printing
“Direct printing (PictBridge)” (p. 43)
“Print Reservations (DPOF)” (p. 46)

Contents

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- Preparing the Camera ............ 10
- Shooting, Playback, and Erasing 14
- Using Shooting Modes ....... 17
- Using Shooting Functions ... 19
- Using Playback Features ....... 23
- Menus for Shooting Functions .... 25
- Menus for Playback, Editing, and Printing Functions ......... 32
- Menus for Other Camera Settings ..................... 37
- Printing .................................. 43
- Using OLYMPUS Master 2 ..... 48
- Usage Tips ............................. 50
- Appendix ................................ 55
- Index .................................... 66
Three Ways to Adjust Settings

**Using the Menu**

Various camera settings can be accessed through the menus, including functions used during shooting and playback and the date/time and screen display.

1. Set the mode dial to one of the selections.
   - The \( \square \) symbol in “Menu Settings” (p. 25 to 42) indicates available shooting modes.

2. Press the **MENU** button.
   - This example describes how to use the menus to set the [DIGITAL ZOOM].

3. Use \( \langle \rangle \) to select the desired menu, and press the **E** button.
   - Pressing and holding the **E** button displays an explanation (menu guide) of the selected option.

4. Use \( \langle \rangle \) to select the desired submenu 1, and press the **E** button.
   - To quickly move to the desired submenu, press \( \langle \rangle \) to highlight the page tab, and then use \( \langle \rangle \) to move the page tab. Press \( \langle \rangle \) to return to the submenu 1.
   - Some menus include submenus that appear by pressing the **E** button.

5. Use \( \langle \rangle \) to select the submenu 2, and press the **E** button.
   - Once a setting is selected, the display returns to the previous screen.
   - There may be additional operations. “Menu Settings” (p. 25 to 42)

6. Press the **MENU** button to complete the setting.

---

Please read “Menu Settings” (p. 25 to 42) while referring to this page.
Using the Direct Buttons
Frequently used shooting functions can be accessed using the direct buttons.

- Shutter button (p. 14)
- Zoom button (p. 19)
- button (exposure compensation) (p. 20)
- button (macro) (p. 20)
- button (flash) (p. 19)
- button (self-timer) (p. 21)
- button (playback) (p. 32)
- DISP./ button (change information display/ menu guide/check date and time) (p. 21, p. 3, p. 13)
- button (panorama/Shadow Adjustment Technology/multi window/backlight boost/erase) (p. 22, p. 16)

Using the FUNC Menu (p. 22)
Frequently used shooting menu functions can be set with fewer steps using the FUNC menu.

- button (p. 3, p. 22)
Menu Index

Menus for Shooting Functions

When the mode dial is set to a shooting mode position (AUTO  SCN BEAUTY), settings can be adjusted.

1  IMAGE QUALITY ........... p.25
2  CAMERA MENU
   WB.......................... p.26
   ISO.......................... p.26
   DRIVE ...................... p.26
   FINE ZOOM ................. p.26
   DIGITAL ZOOM ............. p.26
   ESP/AF ..................... p.27
   AF MODE ................... p.27
   
   (Sound recording)........... p.27
   IMAGE STABILIZER
   (Still images)/
   DIS MOVIE MODE
   (Movies)..................... p.28
   SHADOW ADJ................ p.28
3  SCENE MODE ............... p.28
4  PANORAMA .................. p.28
5  RESET ..................... p.29
6  SETUP
   MEMORY FORMAT/
   FORMAT ................... p.37
   BACKUP ................... p.37
   
   (Language)................. p.37
   PW ON SETUP .............. p.37
   MENU COLOR ............... p.38
   SOUND SETTINGS ........... p.38
7  SILENT MODE .............. p.42

Menus for Playback, Editing, and Printing Functions

When the mode dial is set to the playback position, settings can be adjusted.

1  SLIDESHOW ................. p.32
2  PERFECT FIX ............... p.32
3  BEAUTY FIX ............... p.33
4  EDIT
   (Resize) .................. p.33
   (Crop) .................... p.33
   COLOR EDIT .............. p.34
   CALENDAR ................. p.34
5  PLAYBACK MENU
   FACE FOCUS .............. p.34
   INDEX ..................... p.35
   EDIT ...................... p.35
6  ERASE ..................... p.36
7  PRINT ORDER .............. p.36
8  SETUP
   "Same as “Menus for
   shooting functions”
9  SILENT MODE .............. p.42
Names of Parts

Camera unit

1. Self-timer lamp .................................. p.21
2. Connector cover ................................. p.41, 43, 48
3. HDMI mini connector ............................ p.41
4. Multi-connector ................................. p.41, 43, 48
5. Strap eyelet ...................................... p.10
6. Flash .............................................. p.19
7. Battery/card compartment cover ........ p.11
8. Lens ................................................ p.55
9. Microphone ...................................... p.36
10. Tripod socket
11. Speaker
1. Shutter button ........................................ p.14
2. ON/OFF button ........................................ p.14
3. Zoom button .......................................... p.19
4. Monitor .............................................. p.8, 40
5. Card access lamp .................................. p.56
6. MENU button .......................................... p.3, 5
7. DISP./button (change information display/menu guide/
   check date and time) ................................. p.3, 13, 21
8. Mode dial ............................................ p.3
9. button (playback) ..................................... p.32
10. button (OK/FUNC) ................................. p.3, 22
11. Arrow pad .......................................... p.3
12. button (exposure compensation) ................. p.20
13. button (macro) ....................................... p.20
14. button (self-timer) ................................. p.21
15. button (flash) ......................................... p.19
16. OR/ button (panorama/Shadow Adjustment Technology/multi window/
    backlight boost/erase) ......................... p.16, 22
Monitor

Shooting mode display

1. Shooting mode.......................... p.14, 17
2. Flash mode............................... p.19
3. Silent mode.............................. p.42
4. Image stabilization(still picture)/
   Digital image stabilization(movie) ... p.28
5. Macro/super macro...................... p.20
6. Shadow Adjustment Technology
   ........................................... p.22, 28
7. Battery check............................ p.10
8. Flash standby/
   camera shake warning/
   flash charge............................ p.19
9. AF target mark........................... p.14
10. Recording with sound ............... p.18, 27
11. Dualtime................................... p.40
12. Number of storable still pictures/
   remaining recording time ............. p.57
13. Current memory........................ p.57
14. Self-timer ................................ p.21
15. Aperture value ......................... p.14
16. Shutter speed ......................... p.14
17. Exposure compensation .............. p.20
18. Compression/frame rate ............. p.25
19. Image size .............................. p.25
20. Metering ................................. p.27
21. Drive ..................................... p.26
22. ISO ........................................ p.26
23. White balance ......................... p.26
## Playback mode display

**Still image**

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**Movie**

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</table>

1. Silent mode ........................................... p.42
2. Print reservation/number of prints ........... p.46
3. Recording with sound .................. p.18, 27, 36
4. Protect .................................................. p.35
5. Battery check ...................................... p.10
6. Exposure compensation ................... p.20
7. Shutter speed ....................................... p.14
8. Aperture value ..................................... p.14
9. Image size ........................................... p.25
10. File number ........................................ p.39
11. Frame number/elapsed time/total recording time .......................... p.15, 16
12. Current memory................................. p.57
13. Compression/frame rate ................... p.25
14. White balance ................................... p.26
15. Date and time .................................. p.13, 40
16. ISO .................................................... p.26
Preparing the Camera

Attaching the camera strap

⚠️ Pull the strap tight so that it does not come loose.

Charging the battery

⚠️ The included battery charger (AC cable type or plug-in type) differs depending on the region where you purchased the camera. If you received a plug-in type battery charger, plug it directly into an AC outlet.

Example: AC cable type battery charger

- Lithium-ion battery
- Battery charger
- AC outlet
- AC cable
- Charging indicator
  - On: Charging
  - Off: Charged

⚠️ Battery comes partially charged. Before use, be sure to charge the battery until the charging indicator light turns off (for approx. 2 hours).

⚠️ If the charging indicator does not light or it blinks, the battery may not be inserted correctly or the battery or the charger may be broken.

⚠️ For details on the battery and the charger, see “Battery and charger” (p. 55).

When to charge the battery

Charge the battery when the following error message appears:

- Monitor top right
  - Flashes in red
  - BATTERY EMPTY
  - Error message
Loading the battery and the xD-Picture Card™ (sold separately) into the camera

1. Do not insert anything other than an xD-Picture Card or the microSD Attachment into the camera.

2. Insert the card straight in until it clicks into place.

3. Do not touch the contact area directly with your hand.

4. This camera can take pictures using the internal memory when no xD-Picture Card (sold separately) is inserted. “Using an xD-Picture Card” (p. 56)

“Number of storable pictures (still pictures)/continuous recording length (movies) in the internal memory and xD-Picture Card” (p. 57)

To remove the xD-Picture Card

1. Press in the card until it clicks and comes out slightly. Then grasp the card and pull it out.
**Using the microSD card/ microSDHC card (sold separately)**

A microSD card or microSDHC card (hereafter both will be referred to as microSD card) is also compatible with this camera using the microSD Attachment.

⚠️ “Using a microSD Attachment” (p. 58)

1 **Insert the microSD card into the microSD Attachment.**

   ![Insert the card entirely into the microSD Attachment.](image)

2 **Insert the microSD Attachment into the camera.**

   ![Notch](image)

   **To remove the microSD card**

   ![Pull the card straight out.](image)

   ⚠️ Do not touch the contact area of the microSD Attachment or microSD card directly with your hand.

**Arrow pad and operation guide**

The symbols △ □ ◁ ◂ ◄ ◆ displayed on various settings and movie playback screens indicate that the arrow pad is to be used.

![Arrow pad](image)

Operation guides displayed at the bottom of the screen indicate that the MENU button, ◇ button, zoom button, or ◆ button is to be used.
Setting the date and time

The date and time set here are used to image file names, date prints, and other data.

1 Press the ON/OFF button to turn on the camera.
   - The date and time setting screen is displayed when the date and time are not set.

2 Use \( \downarrow \uparrow \) to select the year for \([Y]\).  

3 Press OK to save the setting for \([Y]\). 

4 As in Steps 2 and 3, use \( \downarrow \uparrow \) and the OK button to set \([M]\) (month), \([D]\) (day), \([TIME]\) (hours and minutes) and \([Y/M/D]\).
   - For precise time setting, press the OK button as the time signal strikes 00 seconds.
   - To change the date and time, adjust the setting from the menu. \([\text{ } \text{ }\] \) (Date/time) (p. 40)

To check the date and time

Press the DISP. button while the camera is turned off. The current time is displayed for approx. 3 seconds.

Changing the display language

The language of the menu and error messages displayed on the monitor is selectable.

1 Press the MENU button, and press \( \rightarrow \leftarrow \) to select \([\text{ } \text{ }\] \) (SETUP).

2 Press the \( \text{ } \) button.

3 Use \( \downarrow \uparrow \) to select \( \text{ } \text{ }\) and press the \( \text{ } \) button.

4 Use \( \downarrow \uparrow \) to select your language and press the \( \text{ } \) button.

5 Press the MENU button.
Shooting, Playback, and Erasing

**Shooting with optimum aperture value and shutter speed** (** mode)

In this mode, automatic camera shooting can be used while also allowing changes to a wide range of other shooting menu functions, such as exposure compensation, white balance and so on as needed.

1. Set the mode dial to  

2. Press the ON/OFF button to turn on the camera.

3. Hold the camera, and compose the shot.

4. Press the shutter button halfway down to focus on the subject.
   - When the camera focuses on the subject, the exposure is locked (shutter speed and aperture value are displayed), and the AF target mark changes to green.
   - The camera was unable to focus if the AF target mark flashes red. Try focusing again.

   - Press the ON/OFF button again to turn off the camera.

   - "Focusing" (p. 52)
To take the picture, gently press the shutter button all the way down while being careful not to shake the camera.

To view images during shooting
Pressing the button enables playback of images. To return to shooting, either press the button again or press the shutter button halfway down.

To shoot movies
“Shooting movies (mode)” (p. 18)

Viewing images

1. Set the mode dial to .

2. Use to select an image.

   - Displays 10 frames before the current image
   - Displays previous image
   - Displays 10 frames after the current image
   - Displays next image

The display size of the images can be changed. “Index view, calendar view, and close-up view” (p. 23)

To play back movies
Select a movie, and press the button.
Operations during movie playback

**Volume:** During playback, press \( \text{LM} \).

**Fast-forward/rewind:** Select with \( \text{NO} \). Each time a button is pressed, the playback speed cycles through 2\( \times \), 20\( \times \), and standard (1\( \times \)) speed in the direction of the pressed button.

**Pause:** Press the \( \text{E} \) button.

---

Erasing images during playback (Single image erase)

1. Press the \( \text{H} \) button when the playback image to be erased is displayed.

2. Press \( \text{L} \) to select [YES], and press the \( \text{E} \) button.

To stop movie playback

Press the **MENU** button.
Using Shooting Modes

**Shooting with automatic settings (AUTO mode)**

The camera automatically selects the best shooting mode for the scene from [PORTRAIT], [LANDSCAPE], [NIGHT+PORTRAIT], [SPORT] and [MACRO]. This is a fully automatic mode that allows you to take a picture suited to the scene by simply pressing the shutter button. Camera menu settings are not available in AUTO mode.

**1 Set the mode dial to AUTO.**

The indicator changes to the icon for the scene mode selected by the camera.

Press the shutter button halfway down or press the DISP. button to check which shooting mode the camera has automatically selected.

Depending on the shooting scene, the camera may not select the intended shooting mode.

If the camera cannot determine the best shooting mode, the picture will be taken in SCN mode.

**Using the best shooting mode for the scene (SCN mode)**

**1 Set the mode dial to SCN.**

Press and hold the button to display a description of the selected mode.

**2 Use \( \uparrow \downarrow \) to select the best shooting mode for the scene, and press the \( \text{button}. \)**

Shooting mode indicator

To change to another scene mode, use the menu. [SCENE MODE] (p. 28)
Smoothing out skin tone and texture (BEAUTY mode)

The camera finds a person’s face and gives the skin a smooth, translucent look for taking the picture.

1 Set the mode dial to BEAUTY.

2 Point the camera toward the subject. Check the frame appearing around the face detected by the camera, and then press the shutter button to take the picture.

- The unedited image and edited image are both saved.
- If the image cannot be retouched, only the unedited image is saved.

⚠️ The frame may not appear or may take some time to appear for some subjects. In addition, this function may have no visible effect on some subjects.

⚠️ The [IMAGE SIZE] of the retouched image is limited to [2M] or lower.

Shooting movies (�� mode)

Audio is recorded simultaneously.

1 Set the mode dial to 模.

Using the zoom
You cannot use the optical zoom while shooting a movie. Please use the [DIGITAL ZOOM] (p. 27)

2 Press the shutter button halfway down to focus on the subject, and gently press the button all the way down to start recording.

3 Gently press the shutter button all the way down to stop recording.
Using Shooting Functions

**Using the optical zoom**

Pressing the zoom button adjusts the shooting range.

- Pressing the wide (W) button
- Pressing the telephoto (T) button

![Zoom bar]

Optical zoom: 7× / Digital zoom: 5×

Use of [IMAGE STABILIZER] (still images)/[DIS MOVIE MODE] (movies) (p. 28) is recommended when shooting with the telephoto zoom.

To take larger images without reducing image quality

[FINE ZOOM] (p. 26)

To take larger images

[DIGITAL ZOOM] (p. 27)

The zoom bar appearance identifies the status of the fine zoom/digital zoom.

![Zoom bar ranges]

**Using the flash**

The flash functions can be selected to best match the shooting conditions and render the desired image.

1. Press the button.

![Flash settings]

2. Use to select the setting option, and press the button to set.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLASH AUTO</td>
<td>The flash fires automatically in low-light or backlit conditions.</td>
</tr>
<tr>
<td>REDEYE</td>
<td>Pre-flashes are emitted to reduce the occurrence of red-eye in your photos.</td>
</tr>
<tr>
<td>FILL IN</td>
<td>The flash fires regardless of the available light.</td>
</tr>
<tr>
<td>FLASH OFF</td>
<td>The flash does not fire.</td>
</tr>
</tbody>
</table>

![Zoom bar ranges]
**Adjusting the brightness (Exposure compensation)**

The exposure value automatically set by the camera can be adjusted brighter or darker to obtain a desired shot. This function is not available in the AUTO shooting mode.

1. Press the $\mathbf{\text{Funct}}$ button.

2. Use $\mathbf{\text{LMNO}}$ to select the image showing the desired brightness, and then press the $\mathbf{\text{E}}$ button.

**Shooting close-ups (Macro shooting)**

This function enables the camera to focus and shoot subjects at close distances.

1. Press the $\mathbf{\text{Funct}}$ button.

2. Use $\mathbf{\text{LMNO}}$ to select the setting option, and press the $\mathbf{\text{E}}$ button to set.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
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<tr>
<td>OFF</td>
<td>Macro mode is deactivated.</td>
</tr>
<tr>
<td>MACRO</td>
<td>This enables shooting as close as 10 cm/3.9 in.$^<em>$ (60 cm/23.6 in.$^</em>$) to the subject.</td>
</tr>
<tr>
<td>SUPER MACRO$^3$</td>
<td>This enables shooting as close as 2 cm/0.8 in. to the subject. Subjects at 70 cm/27.6 in. or farther cannot be brought into focus.</td>
</tr>
</tbody>
</table>

$^*$ When the zoom is at the widest (W) position.

$^*$ When the zoom is at the most telephoto (T) position.

$^3$ The zoom is automatically fixed.

⚠️ The flash (p. 19) and zoom (p. 19) cannot be set in super macro mode.
**Using the self-timer**

After the shutter button is pressed all the way down, the picture is taken after a time delay.

1. **Press the **button.**

2. **Use** to select the setting option, and press the **button to set.**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
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<tbody>
<tr>
<td>OFF</td>
<td>This cancels the self-timer.</td>
</tr>
<tr>
<td>ON</td>
<td>The self-timer lamp turns on for approx. 10 seconds, then blinks for approx. 2 seconds, and then the picture is taken.</td>
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</table>

⚠️ Self-timer shooting is automatically canceled after one shot.

**To cancel the self-timer after it starts**
Press the **button again.**

---

**Changing the shooting information display**

The display of shooting information on the monitor can be changed to best match the situation; for example, the information can be removed if there is a need for a clear view of the subject or a grid can be displayed to assist with precise composition.

1. **Press the DISP. button.**

   - The displayed shooting information changes in the order shown below each time the button is pressed.
   - “Shooting mode display” (p. 8)

   **Normal**

   ![Normal](Normalized Image)

   **Histogram**

   ![Histogram](Normalized Image)

   **No information**

   ![No information](Normalized Image)

   **Grid**

   ![Grid](Normalized Image)

**Reading a histogram**

If the peak fills too much of the frame, the image will appear mostly white.

If the peak fills too much of the frame, the image will appear mostly black.

The green section shows luminance distribution within the screen’s center.
**Using the FUNC menu**

The FUNC menu provides the following menu functions that can be quickly accessed, adjusted and set.

- [WB] (p. 26)
- [ISO] (p. 26)
- [DRIVE] (p. 26)
- [ESP/ N] (p. 27)
- [IMAGE QUALITY] (p. 25)

1. Press the button while ready to take a picture.

2. Use to select the menu function and to select the setting option, and then press the button to set.

---

**Quickly calling and using shooting functions**

The following menu functions can be quickly called and used.

- [PANORAMA] (p. 29)
- [SHADOW ADJ] (p. 28)
- [MULTI WINDOW] (p. 22)

1. Press the button.

2. Use to select the menu function, and press the button to set.

**To use the effects preview screen (Multi window)**

Selecting an option from [ZOOM], [EXPOSURE COMP.], [WB] or [ESP/ ] shows 4 preview images that reflect the adjusted values of the selected shooting function. Use to select the desired image, and press the button.

---

**Brightening the monitor (Backlight boost)**

Pressing and holding the button brightens the monitor. The monitor returns to the original brightness if no operation is performed for 10 seconds.
Using Playback Features

**Index view, calendar view, and close-up view**

Index view and calendar view enable quick selection of a target image. Close-up view (up to 10x magnification) allows checking of image details.

1. **Press the zoom button.**

   - **Single-image view**
   - **Closeup view**
   - **Index view**
   - **Calendar view**

   ![Diagram of view options]

To select an image in index view

Use ‹› to select an image, and press the button to display the selected image in single-image view.

To select images in calendar view

Use ‹› to select a date, and press the button to view the images taken on the selected date.

To scroll an image in close-up view

Use ‹› to move the viewing area.

**Changing the image information display**

A set of shooting information displayed on the screen can be changed.

1. **Press the DISP. button.**

   - The displayed image information changes in the order shown below each time the button is pressed.

   ![Diagram of image information changes]

   - **Normal**
   - **No information**
   - **Histogram**

   "Reading a histogram" (p. 21)
Playing back panorama images

Panorama images that were combined together using [COMBINE IN CAMERA 1] or [COMBINE IN CAMERA 2] can be scrolled for viewing.

![PANORAMA] (p. 29)

1 Select a panorama image during playback.

![Viewing images] (p. 15)

2 Press the button.

To control panorama image playback
- **Zoom in/Zoom out**: Press the zoom button.
- **Playback direction**: Press to scroll in the direction of the pressed button.
- **Pause**: Press the button.
- **Restart scrolling**: Press the button.
- **Stop playback**: Press the **MENU** button.
Menus for Shooting Functions

When the mode dial is set to a shooting mode (AUTO SCN BEAUTY), settings can be adjusted.

The icon next to indicates the position to adjust the mode dial to when setting functions.

The default settings of the function are highlighted in .

Selecting the appropriate image quality for your application [IMAGE QUALITY]

Still images

<table>
<thead>
<tr>
<th>Submenu 1</th>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>12M (3968×2976)</td>
<td>Suitable for printing pictures over A3 (11×17 in.).</td>
<td></td>
</tr>
<tr>
<td>5M (2560×1920)</td>
<td>Suitable for printing pictures at A4 (8.5×11 in.).</td>
<td></td>
</tr>
<tr>
<td>3M (2048×1536)</td>
<td>Suitable for printing pictures up to A4 (8.5×11 in.).</td>
<td></td>
</tr>
<tr>
<td>2M (1600×1200)</td>
<td>Suitable for printing pictures at A5 (5×7 in.).</td>
<td></td>
</tr>
<tr>
<td>1M (1280×960)</td>
<td>Suitable for printing pictures at postcard size.</td>
<td></td>
</tr>
<tr>
<td>VGA (640×480)</td>
<td>Suitable for viewing pictures on a TV or using pictures on emails and web sites.</td>
<td></td>
</tr>
<tr>
<td>16:9 H (3968×2232)</td>
<td>Suitable for conveying the expansiveness of subjects such as landscapes and utilizing the entire screen for viewing pictures on a widescreen TV. Also used for printing pictures at A3 (11×17 in.).</td>
<td></td>
</tr>
<tr>
<td>16:9 V (1920×1080)</td>
<td>Suitable for conveying the expansiveness of subjects such as landscapes and utilizing the entire screen for viewing pictures on a widescreen TV. Also used for printing pictures at A5 (5×7 in.).</td>
<td></td>
</tr>
</tbody>
</table>

COMPRESSION

FINE

Shooting at high quality.

NORMAL

Shooting at normal quality.

Movies

<table>
<thead>
<tr>
<th>Submenu 1</th>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMAGE SIZE</td>
<td>VGA</td>
<td>Sets image size to 640 × 480. Allows for full-screen television display.</td>
</tr>
<tr>
<td></td>
<td>QVGA</td>
<td>Sets image size to 320 × 240.</td>
</tr>
<tr>
<td>FRAME RATE</td>
<td>30fps*1</td>
<td>Allows for a smoother image. For prioritizing image quality when shooting.</td>
</tr>
<tr>
<td></td>
<td>15fps*1</td>
<td>Setting for shooting with standard image quality. For prioritizing movie length when shooting.</td>
</tr>
</tbody>
</table>

*1 frames per second

“Number of storable pictures (still pictures)/continuous recording length (movies) in the internal memory and xD-Picture Card” (p. 57)
Adjusting to a natural color scheme [WB]

The camera automatically adjusts the white balance according to the shooting conditions.

- AUTO
- For shooting outdoors under a clear sky
- For shooting outdoors under a cloudy sky
- For shooting under tungsten lighting
- For shooting under daylight fluorescent lighting (household lighting, etc.)
- For shooting under neutral fluorescent lighting (desk lamps, etc.)
- For shooting under white fluorescent lighting (offices, etc.)

Selecting the ISO sensitivity [ISO]

Although lower ISO values reduce sensitivity, sharp images can be taken under fully lit conditions. Larger values increase sensitivity so that images can be taken at fast shutter speeds even under dimly lit conditions. However, high sensitivity introduces electronic noise into the resulting picture, which may give it a grainy appearance.

- AUTO
- The camera automatically adjusts the sensitivity according to the shooting conditions.

- HIGH ISO AUTO
- The camera uses a higher sensitivity compared to [AUTO] to minimize blur caused by a moving subject or by camera shake.
- 64/100/200/400/800/1600
- Set ISO sensitivity to a numerical value.

Shooting pictures sequentially while the shutter button is held down [DRIVE]

- AUTO
- One frame is shot each time the shutter button is pressed.

- Take sequential shots using the focus and brightness (exposure and white balance) set in the first frame.
- The camera takes sequential shots at a faster speed than in [AUTO].
- The camera takes sequential shots at approximately 11 frames/sec.

*1 The shooting speed varies depending on the settings for [IMAGE QUALITY] (p. 25).

- When set to [AUTO], the flash (p.19) cannot be set to [REDEYE]. In addition, when set to [AUTO], the flash is limited to either ☀ or ☀️. When set to [AUTO], the flash is fixed to ☀️.

- When set to [AUTO] or [HIGH ISO], [IMAGE SIZE] is limited to [M] or lower, and [ISO] is fixed to [AUTO]. Moreover, [FINE ZOOM] (p. 26) and [DIGITAL ZOOM] (p. 27) are not available.

- When set to [AUTO], [HIGH ISO], or [HIGH ISO], [SUPER MACRO] (p. 20) is selected.

Shooting at higher magnifications than optical zoom without reducing the image quality [FINE ZOOM]

- OFF
- Only optical zoom is used to zoom in for shooting.

- ON
- Optical zoom and image cropping are combined to zoom in for shooting (Approx. 43× (max.)).

- This function will not reduce image quality because it does not convert images with fewer pixels into images with more pixels by adding pixels to a cropped image.

- When set to [ON], [IMAGE SIZE] is limited to [S] or lower.

- This setting is not available when [DIGITAL ZOOM] is set to [ON].

- This function is not available when [SUPER MACRO] (p. 20) is selected.
Refer to “Using the Menu” (p. 3) when adjusting the settings of these functions.

**Shooting at higher magnifications than optical zoom [DIGITAL ZOOM]**

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>Only optical zoom is used to zoom in for shooting.</td>
</tr>
<tr>
<td>ON</td>
<td>Optical zoom and digital zoom are combined to zoom in for shooting (Approx. 35× (max.)).</td>
</tr>
</tbody>
</table>

⚠️ The setting is not available when [FINE ZOOM] is set to [ON].

⚠️ This function is not available when [SUPER MACRO] (p. 20) is selected.

**Selecting the method for measuring the brightness [ESP/()]**

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESP</td>
<td>Shoots to obtain a balanced brightness over the entire screen (Meters the brightness at the center and surrounding areas of the screen separately).</td>
</tr>
<tr>
<td>(spot)</td>
<td>Shoots the subject at the center during backlighting.</td>
</tr>
</tbody>
</table>

⚠️ When set to [ESP], the center may appear dark when shooting against strong backlighting.

**Selecting the focusing area [AF MODE]**

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>FACE DETECT*1</td>
<td>This is used for taking pictures of people (The camera automatically detects a face and a frame appears. Press the shutter button halfway down, and when the face is in focus, the green AF target mark appears. The orange target mark indicates that the area other than the face is in focus).</td>
</tr>
<tr>
<td>iESP</td>
<td>This enables you to compose the shot without worrying about the focusing position. The camera finds the subject to focus on and automatically adjusts the focus.</td>
</tr>
<tr>
<td>SPOT</td>
<td>The camera focuses on the subject located within the AF target mark.</td>
</tr>
</tbody>
</table>

*1 For some subjects, the frame may not appear or may take some time to appear.

**Recording sound when shooting still images [()]**

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>No sound is recorded.</td>
</tr>
<tr>
<td>ON</td>
<td>The camera automatically starts recording for approx. 4 seconds after taking the picture. This is useful for recording notes or comments about the picture.</td>
</tr>
</tbody>
</table>

⚠️ When recording, aim the microphone (p. 6) at the source of the sound you want to record.
Reducing the blur caused by the camera shake when shooting
[IMAGE STABILIZER] (still images) / [DIS MOVIE MODE] (movies)

When set to [ON], [ESP/ ] (p. 27) is automatically fixed to [ESP], and [AF MODE] (p. 27) is automatically fixed to [FACE DETECT].

Selecting a scene mode according to the shooting situation [SCENE MODE]

In SCN mode, the optimum shooting settings are pre-programmed for specific shooting scenes. For this reason, settings may not be changed in some modes.

<table>
<thead>
<tr>
<th>Submenu 1</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>[PORTRAIT/</td>
<td>The camera takes a picture using the optimum settings for the scene conditions.</td>
</tr>
<tr>
<td>LANDSCAPE/</td>
<td></td>
</tr>
<tr>
<td>NIGHT SCENE*/1/</td>
<td></td>
</tr>
<tr>
<td>NIGHT+PORTRAIT/</td>
<td></td>
</tr>
<tr>
<td>SPORT/</td>
<td></td>
</tr>
<tr>
<td>INDOOR/</td>
<td></td>
</tr>
<tr>
<td>CANDLE/</td>
<td></td>
</tr>
<tr>
<td>SELF PORTAIT/</td>
<td></td>
</tr>
<tr>
<td>SUNSET*/2/</td>
<td></td>
</tr>
<tr>
<td>FIREWORKS*/1/</td>
<td></td>
</tr>
<tr>
<td>CUISINE/</td>
<td></td>
</tr>
<tr>
<td>DOCUMENTS/</td>
<td></td>
</tr>
<tr>
<td>SMILE SHOT*/2/</td>
<td></td>
</tr>
<tr>
<td>BEACH &amp; SNOW/</td>
<td></td>
</tr>
<tr>
<td>PRE-CAPTURE MOVIE</td>
<td></td>
</tr>
</tbody>
</table>

*1 When the subject is dark, noise reduction is automatically activated. This approximately doubles the shooting time, during which no other pictures can be taken.

*2 The focus is locked at the first frame.

Shooting with a selected scene
“Using the best shooting mode for the scene (SCN mode)” (p. 17)

Detecting a smiling face to release the shutter automatically
([ ] SMILE SHOT) mode)

1 Select [ ] SMILE SHOT], and aim the camera toward the subject.
   • The self-timer lamp turns on. When a smiling face is detected, the camera automatically takes 3 sequential shots.

2 Pictures can also be taken manually by pressing the shutter button.

3 The camera may not be able to detect a smiling face for some subjects.

[IMAGE SIZE] is limited to [ ] or lower.

Brightening the subject against backlight
[SHADOW ADJ]

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>The image stabilizer is deactivated. This is recommended for shooting when the camera is fixed in place on a tripod or other stable surface.</td>
</tr>
<tr>
<td>ON</td>
<td>The image stabilizer is activated.</td>
</tr>
</tbody>
</table>

When shooting while the [DIS MOVIE MODE] (movie) is set to [ON], the image will be enlarged somewhat before saving.

For some subjects, the frame may not appear or may take some time to appear.
Capturing the perfect moment when shooting ([PRE-CAPTURE MOVIE] mode)

1 Use ⋆ ⋄ to select [PRE-CAPTURE MOVIE], and press the button to set.
   - This function is ready for shooting immediately after setting this option.
2 Press the shutter button to start movie shooting.
   - After shooting stops, the camera saves a 7-second movie, including up to 2 seconds of recording time taken before the shutter button was pressed, to the memory card.
   - The optical zoom and auto focus function are available during movie recording.

⚠ Sound is not recorded.
⚠ The AF target mark is not displayed.
⚠ Select [IMAGE SIZE] from [VGA] or [QVGA], and select [FRAME RATE] from [30fps] or [15fps].

Creating panoramic images ([PANORAMA] mode)

Submenu 2 | Application
--- | ---
COMBINE IN CAMERA 1*1 | Three frames are taken and combined by the camera. The user only composes the shots so that the target marks and pointers overlap, and the camera automatically releases the shutter. The shooting functions are already preset to the optimum settings for panoramic shooting.
COMBINE IN CAMERA 2 | Three frames are taken and combined by the camera. The user composes the shots using the guide frame and manually releases the shutter.
COMBINE IN PC | The frames that were taken are combined into a panorama image using the OLYMPUS Master 2 software from the provided CD-ROM. Pictures are taken in the last [ISO] or [SCENE MODE] settings. (Excluding certain scene modes.)

*1 Not available in SCN mode (p. 17).

⚠ The [IMAGE QUALITY] (p. 25) setting cannot be changed.
⚠ The focus, exposure (p. 20), zoom position (p. 19), and [WB] (p. 26) are locked at the first frame.
⚠ The flash (p. 19) is fixed to (FLASH OFF) mode.
⚠ “Playing back panorama images” (p. 24)
Taking pictures with [COMBINE IN CAMERA 1]

1. Press the shutter button to take the first frame.

2. Move the camera slightly in the direction of the second frame.

3. Move the camera slowly while keeping it straight, and stop the camera where the pointer and target mark overlap.
   - The camera releases the shutter automatically.

   ![Target mark and Pointer](image)

   Screen when combining images from left to right

To combine only two pictures, press the E button before taking a third frame.

4. Repeat Step 3 to take a third frame.
   - After the third frame is taken, the camera automatically processes the frames and the combined panorama image is displayed.

   ![1st frame and Composition of the 2nd frame](image)

To exit the panorama function without saving an image, press the MENU button.

If the shutter does not automatically release, try [COMBINE IN CAMERA 2] or [COMBINE IN PC].

Taking pictures with [COMBINE IN CAMERA 2]

1. Use the  button to specify at which edge the next picture is to be connected.

   ![Direction for combining the next frame](image)

2. Press the shutter button to take the first frame.
   - A guide frame appears as a reference.

   ![Guide frame and Joint area](image)

3. Compose the next shot so that the joint area overlaps the guide frame.

   ![Composition of the 2nd frame](image)

4. Press the shutter button to take the next shot.
   - To combine only two pictures, press the E button before taking the third frame.

5. Repeat steps 3 and 4 to take a third frame.
   - After the third frame is taken, the camera automatically processes the frames and the combined panorama image is displayed.

   ! To exit the panorama function without saving an image, press the MENU button.
Taking pictures with [COMBINE IN PC]

1. Use the > buttons to select the direction that the frames are combined.
2. Press the shutter button to take the first frame, and then compose the second shot.
   - Compose the shot using the guide frame so that the two adjacent frames overlap.
3. Repeat Step 2 until the number of required frames are taken, and then press the button when done.

![Warning symbol]

- When the mark is displayed, you cannot continue shooting any further. Panorama shooting is possible for up to 10 frames.
- Refer to the OLYMPUS Master 2 help guide for details on how to make panorama images.

Restoring the shooting functions to the default settings [RESET]

<table>
<thead>
<tr>
<th>Submenu 1</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>Restores the following menu functions to the default settings:</td>
</tr>
<tr>
<td></td>
<td>• Flash (p. 19)</td>
</tr>
<tr>
<td></td>
<td>• Exposure compensation (p. 20)</td>
</tr>
<tr>
<td></td>
<td>• Macro (p. 20)</td>
</tr>
<tr>
<td></td>
<td>• Self-timer (p. 21)</td>
</tr>
<tr>
<td></td>
<td>• IMAGE QUALITY (p. 25)</td>
</tr>
<tr>
<td></td>
<td>• PANORAMA (p. 29)</td>
</tr>
<tr>
<td></td>
<td>• SCENE MODE (p. 28)</td>
</tr>
<tr>
<td></td>
<td>• Shooting information display (p. 21)</td>
</tr>
<tr>
<td></td>
<td>• Menu functions in CAMERA MENU (p. 25 to 31)</td>
</tr>
<tr>
<td>NO</td>
<td>The current settings are not changed.</td>
</tr>
</tbody>
</table>
Menus for Playback, Editing, and Printing Functions

When the mode dial is set to 
, settings can be adjusted during image playback.

Playing back pictures automatically [SLIDESHOW]

Submenu 1 | Submenu 2 | Submenu 3 | Application
---|---|---|---
ALL/STILL PICTURE/MOVIE/CALENDAR | NORMAL/ NEXT PAGE 1/ NEXT PAGE 2/ FLIP/SWIVEL/ ZOOM UP/ SLIDE/FADER/ CHECKERBOARD/ BLINDS/RANDOM | OFF/STANDARD/ SPEED/CYBER/ AQUA/SHINY | Selects, respectively, the content to be included in the slideshow, the type of transition effect used between slides, and the background music options.

To start a slideshow
The slideshow starts after confirming [BGM] settings and pressing the button. To stop the slideshow, press the button or the MENU button.

Retouching images [PERFECT FIX]

Submenu 1 | Application
---|---
ALL | [SHADOW ADJ] and [REDEYE FIX] are applied together.
SHADOW ADJ | Only sections darkened by backlighting and dim lighting are brightened.
REDEYE FIX | Eyes that are reddened by the flash are corrected.

1. Select a correction item using and press the button.
2. Use to select an image for retouching, and press the button.
   - The retouched image is saved as a separate image.
Refer to “Using the Menu” (p. 3) when adjusting the settings of these functions.

Retouching the skin and eyes
[BEAUTY FIX]

Depending on the picture, the editing may not be effective.

<table>
<thead>
<tr>
<th>Submenu 1</th>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL</td>
<td>—</td>
<td>[CLEAR SKIN], [SPARKLE EYE] and [DRAMATIC EYE] are applied together.</td>
</tr>
<tr>
<td>CLEAR SKIN</td>
<td>SOFT/AVG/HARD</td>
<td>Makes skin look smooth and translucent. Select the correction effect from 3 levels.</td>
</tr>
<tr>
<td>SPARKLE EYE</td>
<td>—</td>
<td>Enhances the contrast of the eyes.</td>
</tr>
<tr>
<td>DRAMATIC EYE</td>
<td>—</td>
<td>Enlarges the subject’s eyes.</td>
</tr>
</tbody>
</table>

1. Use \(\text{\textarrow{\textleft}}\) to select a correction item, and press the \(\text{\textright}\) button.
2. Use \(\text{\textarrow{\textup}}\) to select an image for retouching, and press the \(\text{\textright}\) button.
   - The retouched image is saved as a separate image.

When [CLEAR SKIN] is selected
Use \(\text{\textarrow{\textup}}}\) to select the retouching level, and press the \(\text{\textright}\) button.

Changing the image size

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>VGA 640 (\times) 480</td>
<td>This saves a lower-resolution copy of the selected image for use in e-mail attachments and other applications.</td>
</tr>
<tr>
<td>QVGA 320 (\times) 240</td>
<td></td>
</tr>
</tbody>
</table>

1. Use \(\text{\textarrow{\textleft}}\) to select an image and press the \(\text{\textright}\) button.
2. Use \(\text{\textarrow{\textup}}}\) to select an image size and press the \(\text{\textright}\) button.
   - The resized image is saved as a separate image.

Cropping a picture

1. Use \(\text{\textarrow{\textleft}}\) to select an image, and press the \(\text{\textright}\) button.
2. Use the zoom button to select the size of the cropping frame, and use \(\text{\textarrow{\textup}}}\) \(\text{\textarrow{\textleft}}\) to move the frame.

3. Press the \(\text{\textright}\) button after you have selected the area to trim.
   - The edited image is saved as a separate image.
Changing the color tone of image [COLOR EDIT]

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black &amp; white</td>
<td>This changes the image to black and white.</td>
</tr>
<tr>
<td>Sepia</td>
<td>This changes the image to a sepia tone.</td>
</tr>
<tr>
<td>Saturation (hard)</td>
<td>This increases the color saturation of the image.</td>
</tr>
<tr>
<td>Saturation (soft)</td>
<td>This slightly increases the color saturation of the image.</td>
</tr>
</tbody>
</table>

1. Use \( \nearrow \searrow \) to select the desired color, and press the \( \text{E} \) button.
   - The image with the selected color is saved as a separate image.

Adding a calendar to an image [CALENDAR]

1. Use \( \nearrow \searrow \) to select an image, and press the \( \text{E} \) button.
2. Use \( \nearrow \searrow \) to select a calendar. Use \( \searrow \nwarrow \) to select the image orientation, and then press the \( \text{E} \) button.
3. Use \( \searrow \nwarrow \) to select the Year of the calendar, and press \( \text{E} \).
4. Use \( \searrow \nwarrow \) to select the Month of the calendar, and press the \( \text{E} \) button.
   - The edited image is saved as a separate image.

Highlighting a face with blurry effect around it [FACE FOCUS]

1. Use \( \nearrow \searrow \) to select an image, and press the \( \text{E} \) button.
   - The image is saved as a separate image.

A face that is largest and facing front in the picture is detected as a target. In some images, such target may not be detected, and editing cannot be performed.
Creating an index of 9 frames from a movie [INDEX]

1. Use ! to select a movie, and press the $ button.
2. Use $ to select the first frame, and press the $ button.
3. Use $ to select the last frame, and press the $ button.
   ● Nine frames are extracted from a movie and saved as a new still image (INDEX).

Extracting a clip from a movie [EDIT]

1. Use ! to select a movie.
2. Use ! to select either [NEW FILE] or [OVERWRITE] and press the $ button.
3. Use ! to select the first frame of the clip to be extracted, and press the $ button.
   ● While selecting the first or last frame, pressing $ moves to the first/last frame of the movie.
4. Use ! to select the last frame of the clip to be extracted, and press the $ button.
   ● The extracted movie clip is saved.

Protecting images [Ο–π]

1. Use ! to select an image.
2. Use $ to select [ON].
3. If necessary, repeat Steps 1 and 2 to protect other images.
4. Press the $ button.

Rotating images [countries]

1. Use ! to select an image.
2. Use $ to select the rotation direction.
3. If necessary, repeat Steps 1 and 2 to protect other images.
4. Press the $ button.
   ● The new picture orientations will be saved even after the power is turned off.
**Adding sound to still images [\(\text{R}\)]**

**PLAYBACK MENU \(\text{R}\)**

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>The camera adds (records) sound for approx. 4 seconds while playing back the image. This is useful for recording notes or comments about the image.</td>
</tr>
<tr>
<td>NO</td>
<td>No sound is recorded.</td>
</tr>
</tbody>
</table>

1. Use \(\text{p}\) to select an image.
2. Aim the microphone toward the sound source.
3. Use \(\text{v}\) to select [YES], and press the \(\text{E}\) button.
   - Recording starts.

**Erasing images [\(\text{ERASE}\)]**

**ERASE**

- Before erasing, check that no important data is left in the internal memory or card.

<table>
<thead>
<tr>
<th>Submenu 1</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEL. IMAGE</td>
<td>Images are individually selected and erased.</td>
</tr>
<tr>
<td>ALL ERASE</td>
<td>All images in the internal memory or card are erased.</td>
</tr>
</tbody>
</table>

- When erasing pictures in the internal memory, do not insert the card into the camera.
- When erasing pictures from the card, insert a card into the camera in advance.

**To individually select and erase images [SEL. IMAGE]**

1. Use \(\text{v}\) to select [SEL. IMAGE], and press the \(\text{E}\) button.
2. Use \(\text{v}\) to select the image to be erased, and press the \(\text{E}\) button to add a \(\vee\) mark to the image.
3. Repeat Step 2 to select the images to be erased, and then press the \(\text{E}\) button to erase the selected images.
4. Use \(\text{v}\) to select [YES], and press the \(\text{E}\) button.
   - The images with a \(\vee\) mark are erased.

**To erase all images [ALL ERASE]**

1. Use \(\text{v}\) to select [ALL ERASE], and press the \(\text{E}\) button.
2. Use \(\text{v}\) to select [YES], and press the \(\text{E}\) button.

**Saving print settings to the image data [\(\text{PRINT ORDER}\)]**

**PRINT ORDER**

- “Print Reservations (DPOF)” (p. 46)
- Print reservation can be set only for still images that are recorded to the card.
Menus for Other Camera Settings

These settings can be made from the shooting mode top menu or playback mode top menu.

**Erasing data completely**

[MEMORY FORMAT]/[FORMAT]

Before formatting, check that no important data is left in the internal memory or card.

Non-Olympus cards and cards that have been formatted by a computer must be formatted with this camera before use.

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>Completely erases the image data in the internal memory*1 or card (including protected images).</td>
</tr>
<tr>
<td>NO</td>
<td>Cancels formatting.</td>
</tr>
</tbody>
</table>

*1 Be sure to remove the card before formatting the internal memory.

**Copying images from the internal memory to the card** [BACKUP]

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>Backs up image data from the internal memory to the card.</td>
</tr>
<tr>
<td>NO</td>
<td>Cancels the backup.</td>
</tr>
</tbody>
</table>

It takes some time to back up data. Check that the battery has sufficient power before starting the backup, or use an AC adapter.

**Changing the display language** [Language]

“Changing the display language” (p. 13)

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Languages*1</td>
<td>The language for the menus and error messages displayed on the monitor is selected.</td>
</tr>
</tbody>
</table>

*1 The available languages vary depending on the country and/or region where the camera was purchased.

**Setting the startup display screen and sound when the camera is turned on** [PW ON SETUP]

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Submenu 3</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCREEN</td>
<td>OFF</td>
<td>No image is displayed.</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>A preset image*1 is displayed.</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>A still image stored in the internal memory or card is registered for display. (This option leads to the setup screen.)</td>
</tr>
<tr>
<td>VOLUME</td>
<td>OFF (No sound)/LOW/ HIGH</td>
<td>The volume of the startup sound is selected.</td>
</tr>
</tbody>
</table>

*1 This image cannot be changed.

**To register a startup image**

2. Use to select the image to be registered, and press the button.
**Selecting the menu screen color and background [MENU COLOR]**

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>NORMAL/COLOR 1/ COLOR 2/COLOR 3</td>
<td>Selects the menu screen color or background image according to your preference.</td>
</tr>
</tbody>
</table>

**Selecting the camera sound and its volume [SOUND SETTINGS]**

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Submenu 3</th>
<th>Submenu 4</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEEP</td>
<td>SOUND TYPE</td>
<td>1/2</td>
<td>Selects the operating sound and volume of the camera buttons (except the shutter button).</td>
</tr>
<tr>
<td></td>
<td>VOLUME</td>
<td>OFF (No sound)/ LOW/HIGH</td>
<td></td>
</tr>
<tr>
<td>SHUTTER SOUND</td>
<td>SOUND TYPE</td>
<td>1/2/3</td>
<td>Selects the shutter sound and volume.</td>
</tr>
<tr>
<td></td>
<td>VOLUME</td>
<td>OFF (No sound)/ LOW/HIGH</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>OFF (No sound)/ LOW/HIGH</td>
<td>Adjusts the warning sound volume.</td>
</tr>
<tr>
<td></td>
<td>VOLUME</td>
<td>OFF (No sound) or 5 volume levels</td>
<td>Adjusts the image playback volume.</td>
</tr>
</tbody>
</table>

⚠️ To turn off all sounds at once, make the setting from [SILENT MODE] (p. 42).

**Viewing the image immediately after shooting [REC VIEW]**

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>The image being recorded is not displayed. This allows the user to prepare for the next shot while following the subject in the monitor after shooting.</td>
</tr>
<tr>
<td>ON</td>
<td>The image being recorded is displayed. This allows the user to make a brief check of the image that was just taken.</td>
</tr>
</tbody>
</table>

⚠️ Even when set to [ON], you can resume shooting while the image is being displayed.
Refer to “Using the Menu” (p. 3) when adjusting the settings of these functions.

**Resetting the file names of pictures**

**FILE NAME**

![Diagram showing folder and file names]

- **Folder name**: DCIM
  - **100OLYMP**: Pmdd0001.jpg
  - **999OLYMP**: Pmdd9999.jpg

- **Automatic numbering**
  - Month: 1 to C (A=October, B=November, C=December)
  - Day: 01 to 31

**Application**

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RESET</strong></td>
<td>This resets the sequential number for the folder name and file name whenever a new card is inserted. This is useful when grouping images on separate cards.</td>
</tr>
<tr>
<td><strong>AUTO</strong></td>
<td>Even when a new card is inserted, this continues the numbering for the folder name and file name from the previous card. This is useful for managing all image folder names and files names with sequential numbers.</td>
</tr>
</tbody>
</table>

*1 The number for the folder name is reset to 100, and the one for the file name is reset to 0001.

**Adjusting the CCD and adjusting the image processing function**

**PIXEL MAPPING**

![Diagram showing pixel mapping]

- **Application**
  - This function has already been adjusted at factory shipping, and no adjustment is needed right after purchase. Approximately once a year is recommended.
  - For best results, wait at least one minute after taking or viewing pictures before performing pixel mapping. If the camera is turned off during pixel mapping, be sure to perform it again.

**To adjust the CCD and the image processing function**

Press the button when [START] (submenu 2) is displayed.

- The camera checks and adjusts the CCD and the image processing function at the same time.
**Adjusting the brightness of the monitor ([!])**

To adjust the monitor brightness

1. Use \(<>\) to adjust the brightness while viewing the screen, and then press the \(\text{SET} \) button.

**Setting the date and time [()]**

“Setting the date and time” (p. 13)

To select the date and time display order

1. Press \(\text{SET} \) after setting Minute, and use \(<>\) to select the date display order.

**Setting the date and time for another time zone [DUALTIME]**

When [DUALTIME] is set to [ON], the date and time set here are used in image file names, dated prints and other data.

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Submenu 3</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>—</td>
<td>Switches to the date and time set in ()</td>
</tr>
<tr>
<td>ON</td>
<td>(Proceeds to the setting screen*)</td>
<td>The date and time settings from [DUALTIME] are used in file names, dated prints and other data.</td>
</tr>
</tbody>
</table>

* The setting procedure is identical to that in “Setting the date and time” (p. 13).

The date display order is the same as that set with \(\) .

**Automatically rotating images shot with the camera in a vertical position during playback [PIC ORIENTATION]**

During shooting, the \(\) (p.35) setting on the playback menu is set automatically.

This function may not work properly if the camera is facing upwards or downwards during shooting.

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>Information about the vertical/ horizontal orientation of the camera during shooting is not recorded with images. Images shot with the camera in a vertical position are not rotated during playback.</td>
</tr>
<tr>
<td>ON</td>
<td>Information about the vertical/ horizontal orientation of the camera during shooting is recorded with images. Images are automatically rotated during playback.</td>
</tr>
</tbody>
</table>
Selecting the video signal system to match your TV [VIDEO OUT]

The TV video signal system varies depending on the countries and regions. Before viewing camera images on your TV, select the video output according to your TV’s video signal type.

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTSC</td>
<td>The camera is compatible with TVs in North America, Taiwan, Korea, Japan and others.</td>
</tr>
<tr>
<td>PAL</td>
<td>The camera is compatible with TVs in Europe, China and others.</td>
</tr>
</tbody>
</table>

The factory default settings differ according to the region where the camera is sold.

To play back camera images on a TV

1. Connect the TV and camera.
   - Connection via AV cable
     - Connect to the TV video input jack (yellow) and audio input jack (white).
     - Open the connector cover in the direction of the arrow.
     - Multi-connector
     - A/V cable (supplied)

2. Use the camera to select the video signal format that matches that of the connected TV ([NTSC]/[PAL]).

3. Turn on the TV, and change “INPUT” to “VIDEO (an input jack connected to the camera).”

For details on changing the input source of the TV, refer to the TV’s instruction manual.

- Set the mode dial to when connecting via an AV cable.
- Use an HDMI cable that matches the HDMI mini connector on the camera and the HDMI connector on the TV.
- The movie playback screen cannot be displayed when connecting via an HDMI cable. In addition, the sound will not be played.
- When the camera and TV are connected by both an AV cable and an HDMI cable, the HDMI cable will take priority.
- Depending on the TV’s settings, the displayed images and information may become cropped.
Selecting the digital video signal format for connecting to a TV via an HDMI cable [HDMI]

**SETUP ► HDMI**

“To play back camera images on a TV” (p. 41)

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>480p</td>
<td>Images are played back in 480p format.</td>
</tr>
<tr>
<td>720p</td>
<td>Images are played back in 720p format.</td>
</tr>
<tr>
<td>1080i</td>
<td>Images are played back in 1080i format.</td>
</tr>
</tbody>
</table>

When set to [1080i], 1080i format takes priority for HDMI output. However, if this setting does not match the input setting of the TV, the resolution is changed first to 720p and then to 480p. For details on changing the input setting of the TV, refer to the TV’s instruction manual.

Saving battery power between shots [POWER SAVE]

**SETUP ► POWER SAVE**

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>Cancels [POWER SAVE].</td>
</tr>
<tr>
<td>ON</td>
<td>When the camera is not being used for approx. 10 seconds, the monitor automatically turns off to save battery power.</td>
</tr>
</tbody>
</table>

To resume standby mode
Press any button or turn the mode dial.

Turning off the camera sounds [SILENT MODE]

**SILENT MODE**

<table>
<thead>
<tr>
<th>Submenu 1</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>This activates the individual settings of [SOUND SETTINGS].</td>
</tr>
<tr>
<td>ON</td>
<td>The electronic sounds (operating sound, shutter sound, warning sound) and playback sounds are muted.</td>
</tr>
</tbody>
</table>

[SOUND SETTINGS] (p. 38)
Direct printing (PictBridge*)

By connecting the camera to a PictBridge-compatible printer, you can print images directly without using a computer. To find out if your printer supports PictBridge, refer to the printer’s instruction manual.

* PictBridge is a standard for connecting digital cameras and printers of different makers and printing out pictures directly.

The printing modes, paper sizes, and other parameters that can be set with the camera vary depending on the printer that is used. For details, refer to the printer’s instruction manual.

For details on the available paper types, loading paper, and installing ink cassettes, refer to the printer’s instruction manual.

Printing images at the printer’s standard settings [EASY PRINT]

1 Display the image to be printed on the monitor.

- Viewing images” (p. 15)

- Printing can also be started when the camera is turned off. After performing Step 2, use the \( \text{\textleftarrow} \) \( \text{\rightarrow} \) to select [EASY PRINT], press the \( \text{\textleftarrow} \) button. Use \( \text{\textdownarrow} \) \( \text{\textuparrow} \) to select an image, and press the \( \text{\textleftarrow} \) button.

2 Turn on the printer, and then connect the printer and camera.

Open the connector cover in the direction of the arrow.

USB cable (supplied)

Multi-connector

EASY PRINT START ▶
PC/CUSTOM PRINT •OK

3 Press \( \text{\textleftarrow} \) to start printing.

4 To print another image, use \( \text{\textleftarrow} \) \( \text{\rightarrow} \) to select an image, and press the \( \text{\textleftarrow} \) button.

To exit printing

After a selected image is displayed on the screen, disconnect the USB cable from the camera and printer.
Changing the printer’s settings for printing [CUSTOM PRINT]

1 Follow Steps 1 and 2 for [EASY PRINT] (p. 43), and press the button.

2 Use to select [CUSTOM PRINT], and press the button.

3 Use to select the print mode, and press the button.

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRINT</td>
<td>This prints the image selected in Step 6.</td>
</tr>
<tr>
<td>ALL PRINT</td>
<td>This prints all images stored in the internal memory or card.</td>
</tr>
<tr>
<td>MULTI PRINT</td>
<td>This prints an image multiple times on one page. Several layout options are available.</td>
</tr>
<tr>
<td>ALL INDEX</td>
<td>This prints an index of all images stored in the internal memory or card.</td>
</tr>
<tr>
<td>PRINT ORDER*1</td>
<td>This prints images based on the print reservation data on the card.</td>
</tr>
</tbody>
</table>

* [PRINT ORDER] is available only when print reservations have been made. “Print Reservations (DPOF)” (p. 46)

4 Use to select [SIZE] (Submenu 3), and press .

If the [PRINTPAPER] screen is not displayed, the [SIZE], [BORDERLESS] and [PICS/SHEET] are set to the printer’s standard.

5 Use to select the [BORDERLESS] or [PICS/SHEET] settings, and press the button.

<table>
<thead>
<tr>
<th>Submenu 4</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF/ON*1</td>
<td>The image is printed with a border around it ([OFF]). The image is printed to fill the entire paper ([ON]). (The number of images per sheet [PICS/SHEET]) is selectable only when [MULTI PRINT] is selected in Step 3.</td>
</tr>
</tbody>
</table>

* The available settings for [BORDERLESS] vary depending on the printer.

If [STANDARD] is selected in Steps 4 and 5, the image is printed at the printer’s standard settings.
6 Use \[ \] to select an image.

7 Press \[ \] to make a [SINGLE PRINT] reservation for the displayed image. Press \[ \] to make detailed printer settings for the current image.

To make detailed printer settings
① Use \[ \] to make settings and press the \[ \] button.

② Use \[ \] to select [OK], and press the \[ \] button.

8 If necessary, repeat Steps 6 and 7 to select the image to be printed, make the detailed settings, and set [SINGLEPRINT].

9 Press the \[ \] button.

10 Use \[ \] to select [PRINT], and press the \[ \] button.

- Printing starts.
- When [OPTION SET] is selected in [ALL PRINT] mode, the [PRINT INFO] screen is displayed.
- After printing has finished, [PRINT MODE SELECT] will be displayed.
To cancel printing
1. Press the button while [TRANSFERRING] is displayed.
2. Select [CANCEL] using and then press the button.

11. Press the button.

12. When the message [REMOVE USB CABLE] is displayed, disconnect the USB cable from the camera and printer.

Print Reservations (DPOF*)

In print reservations, the number of prints and date imprint option are saved in the image on the card. This enables easy printing at a printer or print shop supporting DPOF by using only the print reservations on the card without a computer or a camera.

* DPOF is a standard for storing automatic printout information from digital cameras.

! Print reservations can be set only for the images stored on the card. Insert a card with recorded images before making print reservations.

! DPOF reservations set by another DPOF device cannot be changed by this camera. Make changes using the original device. Making new DPOF reservations with this camera will erase the reservations made by the other device.

! DPOF print reservations can be made for up to 999 images per card.

Single-frame print reservations

1. Set the mode dial to , and then press the button to display the top menu.

2. Use to select [PRINT ORDER], and press the button.

3. Use to select [ ], and press the button.

4. Use to select the image for print reservation. Use to select the quantity. Press the button.
5 Use 

 to select the [ ] (date print) screen option, and press the button.

<table>
<thead>
<tr>
<th>Submenu 2</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO</td>
<td>This prints the image only.</td>
</tr>
<tr>
<td>DATE</td>
<td>This prints the image with the shooting date.</td>
</tr>
<tr>
<td>TIME</td>
<td>This prints the image with the shooting time.</td>
</tr>
</tbody>
</table>

6 Use 

 to select [SET], and press the button.

Reserving one print each of all images on the card [ ]

1 Follow Steps 1 and 2 in [ ] (p. 46).

2 Use 

 to select [ ], and press the button.

3 Follow Steps 5 to 6 in [ ].

Resetting all print reservation data

1 Set the mode dial to [ ], and then press the MENU button to display the top menu.

2 Use 

 to select [PRINT ORDER], and press the button.

3 Use 

 to select either [ ] or [ ], and press the button.

PRINT ORDER SETTING

<table>
<thead>
<tr>
<th>PRINT ORDERED</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESET</td>
</tr>
<tr>
<td>KEEP</td>
</tr>
<tr>
<td>BACK+MENU</td>
</tr>
<tr>
<td>SET+OK</td>
</tr>
</tbody>
</table>

4 Use 

 to select [RESET], and press the button.

Resetting the print reservation data for selected images

1 Follow Steps 1 and 2 of “Resetting all print reservation data” (p. 47).

2 Use 

 to select [ ], and press the button.

3 Use 

 to select [KEEP] and press the button.

4 Use 

 to select the image with the print reservation you want to cancel. Use 

 to set the print quantity to “0”.

5 If necessary, repeat Step 4, and then press the button when finished.

6 Use 

 to select the [ ] (date print) screen option, and press the button.

● The settings are applied to the remaining images with the print reservation data.

7 Use 

 to select [SET], and press the button.
Using OLYMPUS Master 2

System requirements and installation of OLYMPUS Master 2

Install the OLYMPUS Master 2 software by referring to the included installation guide.

Connecting the camera to a computer

1 Make sure the camera is turned off.
   - The monitor is off.
   - The lens is retracted.

2 Connect the camera to a computer.
   - The camera automatically turns on.

   Open the connector cover in the direction of the arrow.

   ![Connector Cover Image]

   Locate the position of the USB port by referring to your computer’s instructions manual.

3 Use \( \Rightarrow \) to select [PC], and press the \( \Rightarrow \) button.
   - The computer automatically detects the camera as a new device on the first connection.

Starting OLYMPUS Master 2

1 Double-click the OLYMPUS Master 2 icon.

   ![Double-click Image]

   Windows
   After the computer detects the camera, a message indicating the success of the operation will appear. Confirm the message by clicking “OK.” The camera is recognized as a removable disk.

   Macintosh
   When iPhoto started, exit iPhoto and start OLYMPUS Master 2.

   - While the camera is connected to the computer, shooting functions are disabled.
   - Connecting the camera to a computer via a USB hub may cause unstable operation.
   - When [MTP] is set for the submenu that appears by pressing \( \Rightarrow \) after selecting [PC] in Step 3, images cannot be transferred to a computer using OLYMPUS Master 2.

   ![Connector Cover Image]

   Locate the position of the USB port by referring to your computer’s instructions manual.
**Operating OLYMPUS Master 2**

When OLYMPUS Master 2 is started, a Quick Start Guide will appear on the screen to help you become familiar with the software. If the Quick Start Guide is not displayed, click in the toolbar to show the Guide.

For details on the operation, refer to the help guide of the software.

**Transferring and saving images without using OLYMPUS Master 2**

This camera is compatible with the USB Mass Storage Class. You can transfer and save the image data on your computer while the camera and the computer are connected.

**System requirements**

Windows : Windows 2000 Professional/
           XP Home Edition/
           XP Professional/Vista
Macintosh : Mac OS X v10.3 or later

⚠️ On a computer running Windows Vista, if [MTP] is set for the submenu that appears by pressing [ ] after selecting [PC] in Step 3 of “Connecting the camera to a computer” (p. 47), Windows Photo Gallery will become available.

⚠️ Even if a computer has USB ports, proper operation is not guaranteed in the following cases:

- Computers with USB ports installed using an expansion card, etc.
- Computers without a factory-installed OS and home-built computers
Usage Tips

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 battery is installed.”
- Insert recharged battery in the correct direction.
  “Charging the battery” (p. 10), “Loading the battery and the xD-Picture Card™ (sold separately) into the camera” (p. 11)
- Battery performance may have been reduced temporarily due to low temperature. Take the battery out of the camera and warm them by putting them in your pocket for a while.

Card/Internal memory
“An error message is displayed.”
“Error message” (p. 51)

Shutter button
“No picture is taken when the shutter button is pressed.”
- Set the mode dial to a position other than 
- Cancel sleep mode
  To save battery power, the camera automatically goes into sleep mode and the monitor turns off if there is no operation for 3 minutes when the camera is turned on. No picture is taken even if the shutter button is fully pressed in this mode. Operate the zoom button or other buttons to restore the camera from sleep mode before taking a picture. If the camera is left on for 12 minutes, it automatically turns off. Press the ON/OFF button to turn the camera on.
- Wait until (flash charge) stops blinking before taking pictures.

Monitor
“It is difficult to see the image on the monitor.”
- Condensation*1 may have formed inside the monitor. Turn off the power, and wait for the camera body to become acclimated to the surrounding temperature and dry out before taking pictures.
  *1 Dew drops can form in the camera when it is suddenly taken from a cold location into a warm, humid room.

“Vertical lines appear on the screen.”
- Vertical lines may appear on the screen when the camera is pointed at an extremely bright subject in situations such as clear weather conditions. The lines do not appear, however, in the final still image.

“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 battery is removed and left out of the camera for about 3 days*2, the date and time settings return to the default settings and must be reset.
  *2 The time until the date and time settings return to the default setting varies depending on how long the battery has been loaded.

“Setting the date and time” (p. 13)

Other
“There is a noise coming from inside the camera during shooting.”
- The movement of the lens may make a noise even if the camera is not being operated because the autofocus function is active when the camera is ready to shoot.
### Error message

When one of the messages below is displayed on the monitor, check the corrective action.

<table>
<thead>
<tr>
<th>Error message</th>
<th>Corrective action</th>
</tr>
</thead>
</table>
| CARD ERROR | Card problem  
Insert a new card. |
| WRITE PROTECT | Card problem  
Use a computer to cancel the read-only setting. |
| MEMORY FULL | Internal memory problem  
- Insert a card.  
- Erase unwanted images.*1 |
| CARD FULL | Card problem  
- Replace the card.  
- Erase unwanted images.*1 |
| MEMORY SETUP | Internal memory problem  
Use \(\rightarrow\) to select [MEMORY FORMAT], and press the \(\mathcal{E}\) button. Next, use \(\rightarrow\) to select [YES], and then press the \(\mathcal{E}\) button.*2 |
| CARD SETUP | Card problem  
Use \(\rightarrow\) to select [CLEAN CARD], and press the \(\mathcal{E}\) button. Take out the card, wipe the contact area (p. 56) with a soft, dry cloth, and then load the card again.  
- Use \(\rightarrow\) to select [FORMAT], and press the \(\mathcal{E}\) button. Next, use \(\rightarrow\) to select [YES], and then press the \(\mathcal{E}\) button.*2 |
| NO PICTURE | No picture problem |
| PICTURE ERROR | Problem with selected image  
Use photo retouching software, etc., to view the image on a computer. If the image still cannot be viewed, the image file is corrupted. |
| THE IMAGE CANNOT BE EDITED | Problem with selected image  
Use photo retouching software, etc., to edit the image on a computer. |
| CARD-COVER OPEN | Operation problem  
Close the battery/card compartment cover. |

### Error message details

- **BATTERY EMPTY**  
  Battery problem  
  Charge the battery.

- **NO CONNECTION**  
  Connection problem  
  Connect the camera and computer or printer correctly.

- **NO PAPER**  
  Printer problem  
  Load paper into the printer.

- **NO INK**  
  Printer problem  
  Refill the ink in the printer.

- **JAMMED**  
  Printer problem  
  Remove the jammed paper.

- **SETTINGS CHANGED**  
  Printer problem  
  Return to the status where the printer can be used.

- **PRINT ERROR**  
  Printer problem  
  Turn off the camera and printer, check the printer for any problems, and then turn the power on again.

- **CANNOT PRINT**  
  Problem with selected image  
  Use a computer to print.

*1 Before erasing important images, download them to a computer.  
*2 All data will be erased.  
*3 This is displayed, for instance, when the printer’s paper tray has been removed. Do not operate the printer while making the print settings on the camera.  
*4 This camera may be unable to print images taken by other cameras.
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”

- Taking a picture of a subject not in the center of the screen

  After focusing on an object at the same distance as the subject, compose the shot, and take the picture.

  “Pressing the shutter button halfway” (p. 14)

- Set [AF MODE] (p. 27) to [iESP].

- 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.

Camera shake

“Taking pictures without camera shake”

- Taking pictures using [IMAGE STABILIZER] (p. 28)

  When a picture is taken of a shadowy subject, the CCD*1 shifts to correct for camera shake even if the ISO speed is not increased. This function is also effective when taking pictures at a high zoom magnification.

  *1 A device that takes light received through the lens and converts it into electric signals.

- Select [SPORT] in SCN mode (p. 28)

  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

  If a high ISO speed is selected, pictures can be taken at a high shutter speed even at locations where a flash cannot be used.

  [ISO] (p. 26)
Exposure (brightness)

“Taking pictures with the right brightness”

- Taking pictures of a subject against a backlight
  A face against the backlight is brightened.
  [SHADOW ADJ] (p. 22, 28)

- Taking pictures using [FACE DETECT] for
  [AF MODE] (p. 27)
  Appropriate exposure is obtained for a face against
  the backlight, and the face is brightened.

- Taking pictures using [ ] for [ESP/ ]
  (p. 27)
  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) (p. 19) flash
  A subject against the backlight is brightened.

- Taking pictures of a white beach or snow scene
  Set the mode to [ ] [BEACH & SNOW] (p. 28)

- Taking pictures using exposure compensation
  (p. 20)
  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 button 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 that capture natural colors”

- Taking pictures by selecting [WB] (p. 26)
  Best results in most environments can normally
  be obtained with the [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.)
**Playback/Editing tips**

**Playback**

“Playing images in the internal memory or card”
- Remove the card when playing images in the internal memory
  - “Loading the battery and the xD-Picture Card™ (sold separately) into the camera” (p. 11)
  - “Using the microSD card/microSDHC card (sold separately)” (p. 12)

“Viewing images with high picture quality on a high-definition TV”
- Connect the camera to the TV using an HDMI cable (commercially available)
  - “To play back camera images on a TV” (p. 41)
  - “Selecting the digital video signal format for connecting to a TV via an HDMI cable [HDMI]” (p. 42)

**Editing**

“Erasing the sound recorded to a still image”
- Record over the sound with silence when playing back the image
  - [R] (Add sound to still images) (p. 36)
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 wrung well.

Monitor
- Wipe gently with a soft cloth.

Lens
- Blow dust off the lens with a commercial blower, then wipe gently with a lens cleaner.

Battery/Charger
- Wipe gently with a soft, dry cloth.
  - Do not use strong solvents, such as benzene or alcohol, or 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, AC adapter and card, and keep in a cool, dry place that is well ventilated.
- Periodically insert the battery and test the camera functions.
  - Avoid leaving the camera in places where chemical products are handled since this may result in corrosion.

Battery and charger
- This camera uses one Olympus lithium-ion battery (LI-42B/LI-40B). No other type of batteries can be used.
  - CAUTION:
    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. 61)
- 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 computer or printer.
  - Using an exhausted battery may cause the camera to turn off without displaying the battery level warning.
- The rechargeable battery is not fully charged at the time of purchase. Charge the battery fully with LI-41C/LI-40C charger before use.
- The provided rechargeable battery usually takes approximately 2 hours to charge (varies with usage).
- The supplied LI-41C battery charger is used only for LI-42B/LI-40B battery. Do not charge other type of battery with the supplied battery charger. It might cause explosion, leaking, overheating or fire.
- For plug-in type battery charger:
  This power unit is intended to be correctly orientated in a vertical or floor mount position.
Using an AC adapter

An AC adapter is useful for time-consuming tasks such as image downloads to a computer or when running a slideshow for a long period of time. To use an AC adapter for this camera, the multiadapter cable (CB-MA1) is required. Do not use any other AC adapter with this camera.

Using your charger and AC adapter abroad

- The charger and AC adapter can be used in most home electrical sources within the range of 100 V to 240 V AC (50/60Hz) around the world. However, AC wall outlets are shaped differently in different countries or regions. Therefore, the charger and AC adapter may require a plug adapter to match your wall outlet. For details, ask at your local electrical shop or travel agent.
- Do not use travel voltage converters as they could damage your charger and AC adapter.

Using an xD-Picture Card

A card (and also internal memory) corresponds to the film in a film camera. The recorded images (data) can be erased, and they can be retouched with the use of a computer. Cards can be removed from the camera and exchanged, but it is not possible to remove or exchange the internal memory. Use of larger capacity cards enables you to take more pictures.

Cards compatible with this camera

xD-Picture Card (16MB to 2GB) (TypeH/M/M+/Standard)

Using a new card

Before using a non-Olympus card or a card that was used for another purpose in a computer or other device, use [MEMORY FORMAT]/[FORMAT] (p. 37) to format the card.

Checking the image saving location

The current memory indicator shows whether the internal memory or card is being used during shooting and playback.

Current memory indicator

- Internal memory is being used
None: Card is being used

Readout/recording process of the card

Never open the battery/card compartment cover or unplug the USB cable while the camera is reading or writing data, which is indicated by blinking of the card access lamp. This can not only damage the image data but also render the internal memory or card unusable.
Number of storable pictures (still pictures)/continuous recording length (movies) in the internal memory and xD-Picture Card

### Still pictures

<table>
<thead>
<tr>
<th>IMAGE SIZE</th>
<th>COMPRESSION</th>
<th>Number of storable still pictures</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Internal memory</td>
<td>Using a 1GB xD-Picture Card</td>
</tr>
<tr>
<td></td>
<td>With sound</td>
<td>Without sound</td>
</tr>
<tr>
<td>3968×2976</td>
<td>FINE</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>NORM</td>
<td>5</td>
</tr>
<tr>
<td>2560×1920</td>
<td>FINE</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>NORM</td>
<td>12</td>
</tr>
<tr>
<td>2048×1536</td>
<td>FINE</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>NORM</td>
<td>17</td>
</tr>
<tr>
<td>1600×1200</td>
<td>FINE</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>NORM</td>
<td>26</td>
</tr>
<tr>
<td>1280×960</td>
<td>FINE</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td>NORM</td>
<td>36</td>
</tr>
<tr>
<td>640×480</td>
<td>FINE</td>
<td>76</td>
</tr>
<tr>
<td></td>
<td>NORM</td>
<td>124</td>
</tr>
<tr>
<td>3968×2232</td>
<td>FINE</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>NORM</td>
<td>6</td>
</tr>
<tr>
<td>1920×1080</td>
<td>FINE</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>NORM</td>
<td>24</td>
</tr>
</tbody>
</table>

### Movies

<table>
<thead>
<tr>
<th>IMAGE SIZE</th>
<th>FRAME RATE</th>
<th>Continuous recording length</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Internal memory</td>
<td>Using a 1 GB xD-Picture Card</td>
</tr>
<tr>
<td></td>
<td>With sound</td>
<td>With sound</td>
</tr>
<tr>
<td>VGA 640×480</td>
<td>[30F]</td>
<td>8 sec.</td>
</tr>
<tr>
<td></td>
<td>[15F]</td>
<td>17 sec.</td>
</tr>
<tr>
<td>320×240</td>
<td>[30F]</td>
<td>23 sec.</td>
</tr>
<tr>
<td></td>
<td>[15F]</td>
<td>46 sec.</td>
</tr>
</tbody>
</table>

⚠️ The maximum file size for recording a single movie is 2GB regardless of card capacity.

* When using a TypeM or Standard xD-Picture Card, the maximum length is 40 seconds.

**Increasing the number of pictures that can be taken**

Connect the camera to a computer or other device to save any important images, and then erase the images in the internal memory or card.

[ERASE] (p. 16), [SEL. IMAGE] (p. 36), [ALL ERASE] (p. 36), [MEMORY FORMAT]/[FORMAT] (p. 37)
Using a microSD Attachment

Do not use the bundled microSD Attachment with Olympus digital cameras that do not support it. Do not use it with other brands of digital cameras, computers, printers and other devices that support xD-Picture Card media. Doing so may damage the pictures taken and/or cause the device to malfunction.

If the microSD card cannot be removed, do not use force. Contact authorized distributors/service centers.

Cards compatible with this camera
microSD card/microSDHC card

For a list of tested microSD cards, please visit our website (http://www.olympus.com/).

Sending images
You can send images to a computer or printer by using the USB cable provided with the camera.
To send data to other devices, remove the microSD Attachment from the camera and use a commercially available microSD card adapter.

Handling precautions
Do not touch the contact area of the microSD Attachment or microSD card. Doing so may cause failure in reading the images. When fingerprints or stains are found on the contact area, wipe the area with a soft dry cloth.

SAFETY PRECAUTIONS

**CAUTION**

RISK OF ELECTRIC SHOCK
DO NOT OPEN

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.

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.

Lightning — If a lightning storm occurs while using an AC adapter, remove it from the wall outlet immediately.

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 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.
- Do not insert anything into the microSD Attachment other than the microSD card. This attachment is exclusive for use of microSD cards only. Other types of cards cannot be installed.
- Do not insert anything other than an xD-Picture Card or the microSD Attachment into the camera. If you insert a card by mistake, such as a microSD card, do not use force. Contact authorized distributors/service centers.
**CAUTION**

- Stop using the camera immediately if you notice any unusual odors, noise or smoke around it.
- Do not remove the battery with bare hands. Doing so 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 or AC adapter 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.**
  - 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.

**Battery Handling Precautions**

**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 subject 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.

**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.
**Caution for Usage Environment**

- 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, such as in direct sunlight, at beaches, in 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 mounted on a tripod, adjust the position of the camera with the tripod head. Do not twist the camera.
  - Do not touch electric contacts on cameras.
  - Do not leave the camera pointed directly at the sun. This may cause lens or shutter curtain damage, color failure, ghosting on the CCD or possibly 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.
  - Always observe the operating environment restrictions described in the camera’s manual.

**Battery Handling Precautions**

- This camera uses a lithium-ion battery specified by Olympus. Do not use any other type of battery.
- 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.
- The number of pictures you can take may vary depending on the shooting conditions or battery.
- Before going on a long trip, and especially before traveling abroad, purchase extra batteries. A recommended battery may be difficult to obtain while traveling.
- 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.

**LCD 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 LCD 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. An LCD monitor exhibiting poor performance due to low temperatures will recover in normal temperatures.
- The LCD used for the monitor is made with high-precision technology. However, black spots or bright spots of light may appear constantly on the LCD monitor. Due to its characteristics or the angle at which you are viewing the monitor, the spot may not be uniform in color and brightness. 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, so the above limitations may not apply to you.
• Olympus reserves all rights to this manual.

Warning

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

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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.

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.

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.

Provisions of warranty

1 If this product proves to be defective, although it has been used properly (in accordance with the written Safety Precautions and Operating instructions supplied with it), during a period of two years from the date of purchase from an authorized Olympus distributor within the business area of Olympus Imaging Europa GmbH as stipulated on the website: http://www.olympus.com, this product will be repaired, or at Olympus’ option replaced, free of charge. To claim under this warranty, the customer must take the product and this Warranty Certificate before the end of the two-year warranty period to the dealer where the product was purchased or any other Olympus service station within the business area of Olympus Imaging Europa GmbH as stipulated on the website: http://www.olympus.com. During the one-year period of the World Wide Warranty the customer may turn the product in at any Olympus service station. Please note that Olympus service stations do not exist in all countries.

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 warranty 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's sole liability under this warranty shall be limited to repairing or replacing the product. Any liability 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 warranty maintenance**

1 This warranty will only be valid if the Warranty 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 Warranty Certificate. Olympus reserves the right to refuse free-of-charge service if neither Warranty Certificate is completed nor the above document is attached or if the information contained in it is incomplete or illegible.

2 Since this Warranty Certificate will not be re-issued, keep it in a safe place.
   * Please refer to the list on the website: http://www.olympus.com for the authorized international Olympus service network.

**Trademarks**

- IBM is a registered trademark of International Business Machines Corporation.
- Microsoft and Windows are registered trademarks of Microsoft Corporation.
- Macintosh is a trademark of Apple Inc.
- xD-Picture Card™ is a trademark.
- microSD is a trademark of the SD Association.
- All other company and product names are registered trademarks and/or trademarks of their respective owners.
- The standards for camera file systems referred to in this manual are the “Design rule for Camera File system/DCF” standards stipulated by the Japan Electronics and Information Technology Industries Association (JEITA).
**SPECIFICATIONS**

### Camera

<table>
<thead>
<tr>
<th><strong>Product type</strong></th>
<th>Digital camera (for shooting and displaying)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Recording system</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Still pictures</strong></td>
<td>Digital recording, JPEG (in accordance with Design rule for Camera File system (DCF))</td>
</tr>
<tr>
<td><strong>Applicable standards</strong></td>
<td>Exif 2.2, Digital Print Order Format (DPOF), PRINT Image Matching III, PictBridge</td>
</tr>
<tr>
<td><strong>Sound with still pictures</strong></td>
<td>Wave format</td>
</tr>
<tr>
<td><strong>Movie</strong></td>
<td>AVI Motion JPEG</td>
</tr>
<tr>
<td><strong>Memory</strong></td>
<td></td>
</tr>
<tr>
<td><strong>No. of effective pixels</strong></td>
<td>12,000,000 pixels</td>
</tr>
<tr>
<td><strong>Image pickup device</strong></td>
<td>1/2.33&quot; CCD (primary color filter), 12,700,200 pixels (gross)</td>
</tr>
<tr>
<td><strong>Lens</strong></td>
<td>Olympus lens 6.6 to 46.2 mm, f3.5 to 5.3 (equivalent to 37 to 260 mm on a 35 mm camera)</td>
</tr>
<tr>
<td><strong>Photometric system</strong></td>
<td>Digital ESP metering, spot metering system</td>
</tr>
<tr>
<td><strong>Shutter speed</strong></td>
<td>4 to 1/2000 sec.</td>
</tr>
<tr>
<td><strong>Shooting range</strong></td>
<td>0.7 m (2.3 ft.) to (\infty) (normal)</td>
</tr>
<tr>
<td></td>
<td>0.1 m (0.3 ft.) to (\infty) (W), 0.6 m (2.0 ft.) to (\infty) (T) (macro mode)</td>
</tr>
<tr>
<td></td>
<td>0.02 m (0.8 in.) to 0.7 m (2.3 ft.) (W only) (super macro mode)</td>
</tr>
<tr>
<td><strong>Monitor</strong></td>
<td>3.0&quot; TFT color LCD display, 230,000 dots</td>
</tr>
<tr>
<td><strong>Connector</strong></td>
<td>Multi-connector (DC-IN jack, USB connector, A/V OUT jack)/HDMI mini connector</td>
</tr>
<tr>
<td><strong>Automatic calendar system</strong></td>
<td>2000 up to 2099</td>
</tr>
<tr>
<td><strong>Operating environment</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Temperature</strong></td>
<td>0 °C to 40 °C (32 °F to 104 °F) (operation)/-20 °C to 60 °C (-4 °F to 140 °F) (storage)</td>
</tr>
<tr>
<td><strong>Humidity</strong></td>
<td>30 % to 90 % (operation)/10 % to 90 % (storage)</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>One Olympus lithium-ion battery (LI-42B/LI-40B) or Olympus AC adapter</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>96.4 mm (W) x 55.9 mm (H) x 25.3 mm (D) (3.8 x 2.2 x 1.0 in.) (excluding protrusions)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>132 g (4.7 oz) (excluding battery and card)</td>
</tr>
</tbody>
</table>

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### Lithium-ion battery (LI-42B)

<table>
<thead>
<tr>
<th>Product type</th>
<th>Lithium-ion rechargeable battery</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard voltage</td>
<td>DC 3.7 V</td>
</tr>
<tr>
<td>Standard capacity</td>
<td>740 mAh</td>
</tr>
<tr>
<td>Battery life</td>
<td>Approx. 300 full charges (varies on usage)</td>
</tr>
</tbody>
</table>

**Operating environment**

<table>
<thead>
<tr>
<th>Temperature</th>
<th>0 °C to 40 °C (32 °F to 104 °F) (charging)/-10 °C to 60 °C (14 °F to 140 °F) (operation)/-20 °C to 35 °C (-4 °F to 95 °F) (storage)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>31.5 mm (W) × 39.5 mm (H) × 6.0 mm (D) (1.2 × 1.6 × 0.2 in.)</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 15 g (0.5 oz)</td>
</tr>
</tbody>
</table>

### Battery charger (LI-41C)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>LI-41CAA/LI-41CAB/LI-41CBA/LI-41CBB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power requirements</td>
<td>AC 100 to 240 V (50/60 Hz)</td>
</tr>
<tr>
<td>Output</td>
<td>DC 4.2 V, 600 mA</td>
</tr>
<tr>
<td>Charging time</td>
<td>Approx. 2 hours (when charging the supplied LI-42B battery)</td>
</tr>
</tbody>
</table>

**Operating environment**

<table>
<thead>
<tr>
<th>Temperature</th>
<th>0 °C to 40 °C (32 °F to 104 °F) (operation)/-20 °C to 60 °C (-4 °F to 140 °F) (storage)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>62.0 mm (W) × 23.5 mm (H) × 90.0 mm (D) (2.4 × 0.9 × 3.5 in.)</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 65 g (2.3 oz)</td>
</tr>
</tbody>
</table>

### microSD Attachment

| Product type       | Attachment for microSD                                                        |

**Operating Environment**

<table>
<thead>
<tr>
<th>Temperature</th>
<th>-10 to 40 °C (14 to 104 °F) (operation)/-20 to 65 °C (-4 to 149 °F) (storage)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humidity</td>
<td>95% and below (operation)/85% and below (storage)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>25.0 mm (W) × 20.3 mm (H) × 1.7 mm (D) (1.0 × 0.8 × 0.07 in.) (Handle: 2.2 mm (0.09 in.))</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 0.9 g (0.03 oz)</td>
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Design and specifications subject to change without notice.
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