

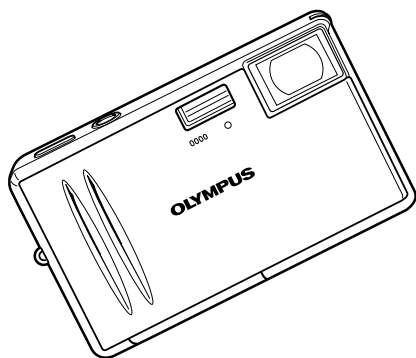
CAMEDIA

DIGITAL CAMERA

AZ-2 ZOOM

ADVANCED MANUAL

OLYMPUS[®]



Basic operations

Things to know before shooting

Advanced shooting

**How to optimize your settings
before shooting**

Playback

**Customizing the settings/
functions of your camera**

Printing

**Transferring images to a
computer**

Appendix

Information

-
- This manual explains advanced techniques such as shooting and playback functions, customizing functions or settings and transferring recorded images to a computer, etc.
 - We recommend that you take test shots to get accustomed to your camera before taking important photographs.
 - The screen and camera illustrations shown in this manual were produced during the development stages and may differ from the actual product.

How to use this manual

This manual includes a table of contents, index and menu list to help you easily locate the information you need.

Searching the table of contents P. 4

Chapter and section titles related to advanced functions are included in the table of contents so that you can quickly find the chapters you want to read.

For example

When you want to play back the images you have just taken.



Go to Chapter 5 Playback and look for the page titled "Viewing still images.....60".

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Searching the index P. 174

Terms used in this manual (such as the names of functions and parts) are listed in alphabetical order. When you come across a term that you are not familiar with or about which you want to learn more, you can search the index to find the relevant page.

For example

If you want to know more about the term "INFO"



Go to the index at the end of this manual and look under I for "INFO.....105".

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Searching the list of menus P. 164

The camera's menus are listed in a tree structure. When you come across a menu whose name is unfamiliar on the menu screen, you can find the relevant pages for this menu function in the menu list.

For example

When you want to know how to make settings for WB in the menu screen



Go through the menus until you find WB and look for the reference page number.

Function	Setting	Ref. page
DATE/TIME	DATE, TIME	P. 61
AWB	AWB, WB, WB PRESET	P. 61
WB	WB, WB PRESET	P. 61
WB PRESET	WB PRESET	P. 61
WB PRESET 2000	WB PRESET	P. 61
WB PRESET 2500	WB PRESET	P. 61
WB PRESET 3200	WB PRESET	P. 61
WB PRESET 4000	WB PRESET	P. 61
WB PRESET 5000	WB PRESET	P. 61
WB PRESET 6000	WB PRESET	P. 61
WB PRESET 8000	WB PRESET	P. 61
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WB PRESET 50000	WB PRESET	P. 61
WB PRESET 60000	WB PRESET	P. 61
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WB PRESET 100000	WB PRESET	P. 61
WB PRESET 160000	WB PRESET	P. 61
WB PRESET 200000	WB PRESET	P. 61
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WB PRESET 400000	WB PRESET	P. 61
WB PRESET 500000	WB PRESET	P. 61
WB PRESET 600000	WB PRESET	P. 61
WB PRESET 800000	WB PRESET	P. 61
WB PRESET 1000000	WB PRESET	P. 61
WB PRESET 1600000	WB PRESET	P. 61
WB PRESET 2000000	WB PRESET	P. 61
WB PRESET 3200000	WB PRESET	P. 61
WB PRESET 4000000	WB PRESET	P. 61
WB PRESET 5000000	WB PRESET	P. 61
WB PRESET 6000000	WB PRESET	P. 61
WB PRESET 8000000	WB PRESET	P. 61
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WB PRESET 20000000	WB PRESET	P. 61
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WB PRESET 40000000	WB PRESET	P. 61
WB PRESET 50000000	WB PRESET	P. 61
WB PRESET 60000000	WB PRESET	P. 61
WB PRESET 80000000	WB PRESET	P. 61
WB PRESET 100000000	WB PRESET	P. 61
WB PRESET 160000000	WB PRESET	P. 61
WB PRESET 200000000	WB PRESET	P. 61
WB PRESET 320000000	WB PRESET	P. 61
WB PRESET 400000000	WB PRESET	P. 61
WB PRESET 500000000	WB PRESET	P. 61
WB PRESET 600000000	WB PRESET	P. 61
WB PRESET 800000000	WB PRESET	P. 61
WB PRESET 1000000000	WB PRESET	P. 61

* For information on how to read the instructions in this manual, refer to "How to read the instruction pages" (P. 3)

How to read the instruction pages

Editing still images

Resizing

- 1 Play back the image you want to resize.
☞ "Single-frame playback" (P. 60)
- 2 In the top menu, select MODE MENU → EDIT → .
☞ "How to use the menus" (P. 17)
- 3 Select the file size.

640 x 480

320 x 240

CANCEL

EXIT * SELECT * GO *

Zoom button W / T Q

Joystick

A bar is displayed when editing is in progress. When the bar disappears, the normal display is restored.

5

Playback

Trimming

- 1 Play back the image you want to trim.
☞ "Single-frame playback" (P. 60)
- 2 In the top menu, select MODE MENU → EDIT → .
☞ "How to use the menus" (P. 17)
- 3 Select .

CANCEL

EXIT * SELECT * GO *

5

5

Playback

5

Step through the menus in the order of the arrows (P. 17)

The gray part on the right shows tips for operating procedures.















This shows the buttons corresponding to the function.







67

This sample page is only for your reference. It may differ from the actual page in this manual.





Indications used in this manual

	<p>Important information on factors which may lead to a malfunction or operational problems. Also warns of operations that should be absolutely avoided.</p>
	<p>Reference pages describing details or related information.</p>










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1

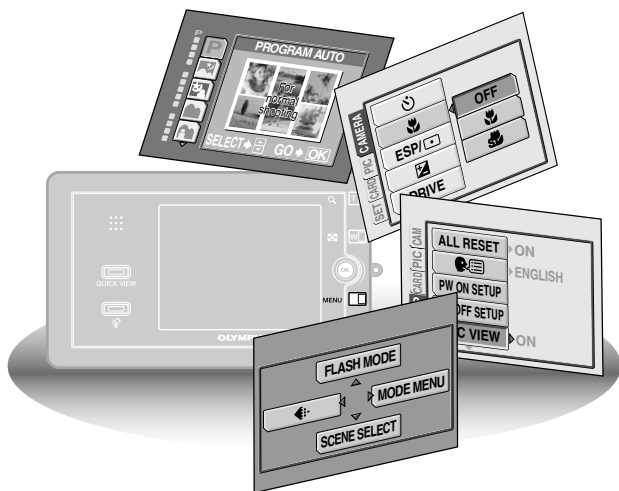
Basic operations

The advanced shooting and playback techniques used by professional photographers are drawn from years of experience and skill in making precise camera adjustments.

Now, with your digital camera, you'll be able to take advantage of those same advanced techniques simply by pressing a few buttons.

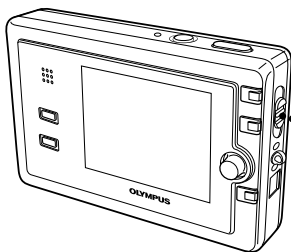
You'll find a wide choice of shooting functions listed in the camera's menus that make it easy to change the focusing area, adjust the white balance, etc. The menus can be navigated simply by pressing buttons while viewing the monitor.

But before you can use these functions, you first need to learn how to operate the buttons and menus.



How to use the mode switch

This camera is equipped with the following three modes. Use the mode switch to select the desired mode.



Still picture shooting mode

Select this for still picture shooting.



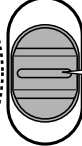
Movie record mode

Select this for movie shooting.



Playback mode

Select this for playback.



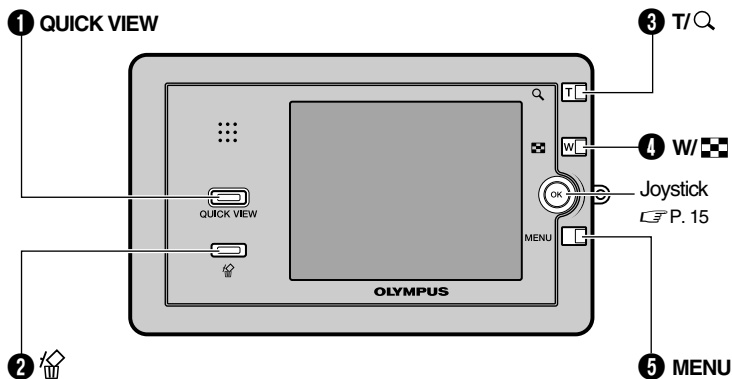
Slide the mode switch to the mode position you want to use.

How to use the buttons

This camera has a variety of functions to enable you to optimize settings for various shooting conditions. Some functions are available using the buttons (☞ See below) and others are available using the menus (☞ P. 17). You can set the functions using the buttons and the Joystick while viewing the monitor.

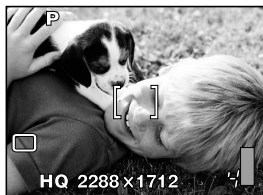
Button operation

Some buttons have different functions in the shooting mode and the playback mode.

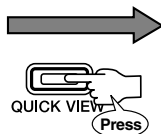


1 QUICK VIEW button

Plays back images while in the shooting mode. Pressing the shutter button halfway down after checking the recorded images resumes the shooting mode.



Shooting mode



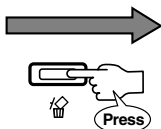
Playback mode


Functions available in normal playback mode are also available during Quick View.

2 Erase button 

 P. 79

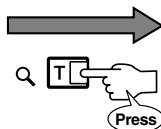
Erases the selected image.



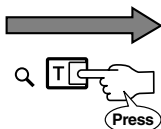
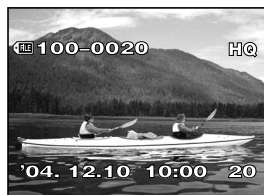
3 Zoom button T 

 P. 39, 61

Shooting T: Enlarges a distant subject. (zoom-in, telephoto shooting)

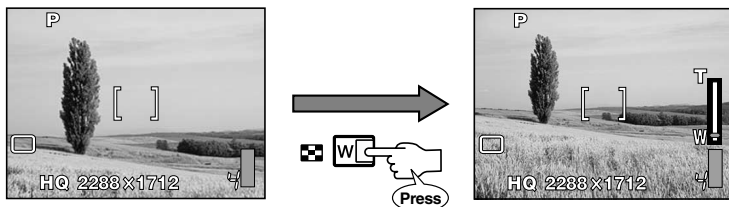


Playback  : Close-up

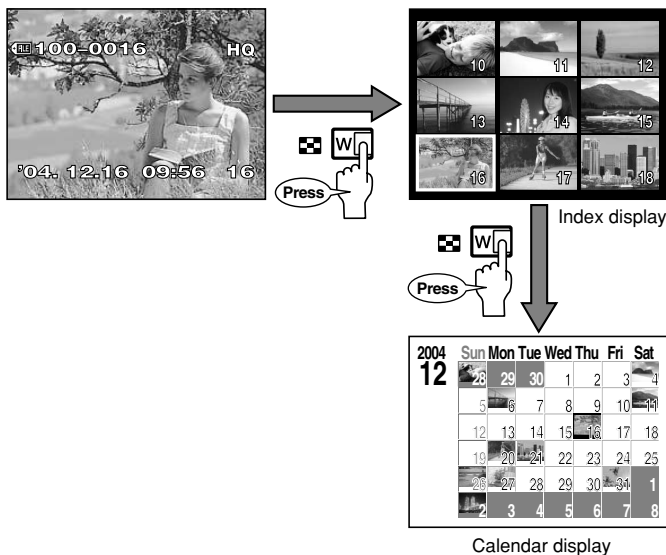


Zoom button W

P. 39, 62

Shooting W: Enables shooting at a wider angle. (zoom-out, wide-angle shooting)**Playback**

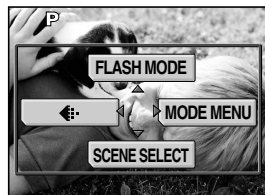
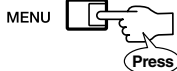
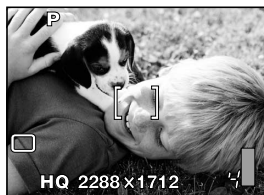
Displays all stored images at once (index display). Pressing this button also sorts stored images by shooting date and displays a calendar showing you corresponding thumbnails on the respective shooting dates (calendar display).



5 Menu button

P. 17

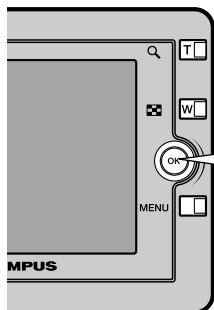
Displays or exits menu.



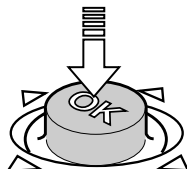
Press the menu button again to exit the menu.

Joystick operation

The Joystick can be pushed up, down or left or right, or it can be pressed. These operations enable you to set various functions on the menus or to select frames during playback.

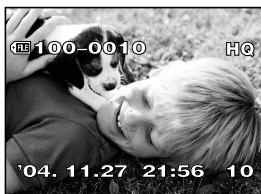
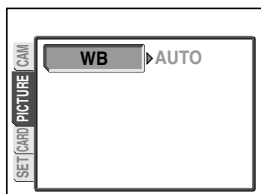


Push the upper edge, lower edge, left edge or right edge of the Joystick in the direction of illustrated arrows.



Press the center down on the Joystick.

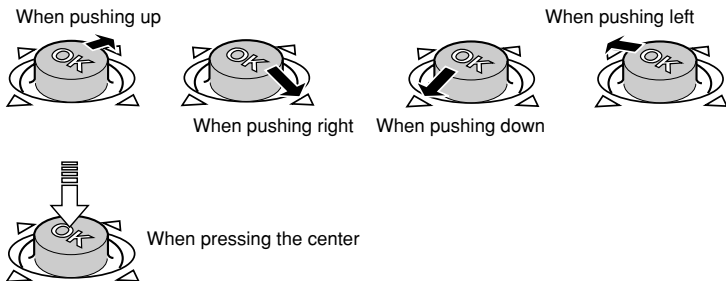
You can confirm settings on the menus or you can move within the menus.
 P. 17



You can select frames you want to play back.
 P. 60



The following illustrations show how to operate the Joystick.

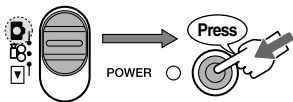


How to use the menus

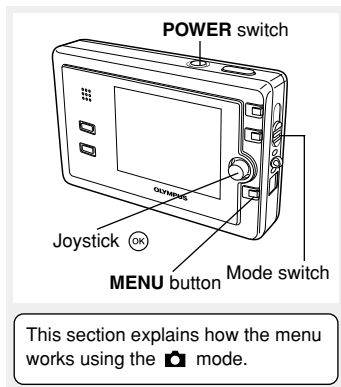
The camera's functions can be set. Display the menus on the monitor and select or set them.


Operation

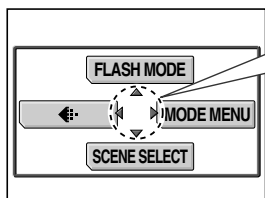
- 1 Select the mode and turn on the camera.



- 2 Display the top menu.



This section explains how the menu works using the  mode.




Top menu

The Joystick operation guide is displayed.




Goes to the FLASH MODE setting screen.



Goes to MODE MENU. Various functions can be set.  P. 19



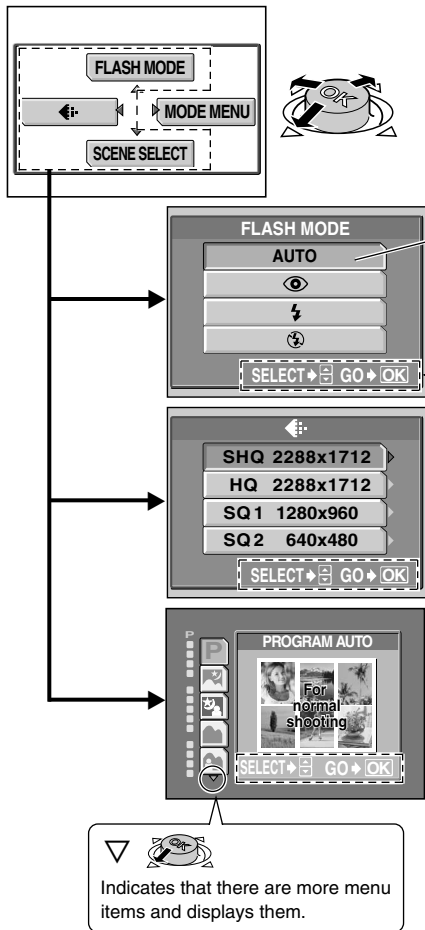
Goes to the  setting screen.



Goes to the SCENE SELECT setting screen.

Going to the setting screen directly and setting the function

1 Basic operations



Currently selected item

Operation guide is displayed at the bottom of the screen.

SELECT :

Push the Joystick up or down to select the item.

GO **OK** :

Press the Joystick to confirm your selection.

SELECT :

Push the Joystick up, down or to the right to select the item.

CANCEL :

Push the Joystick left to cancel the setting.

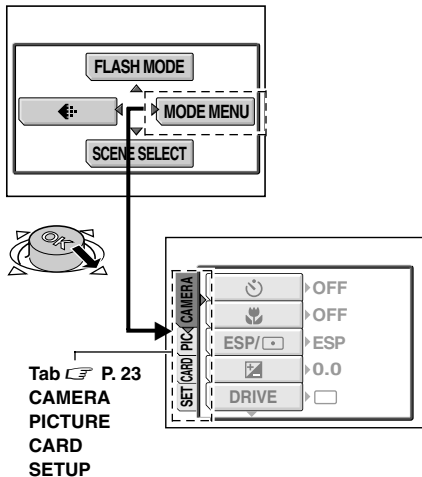
FLASH MODE P. 52

P. 29

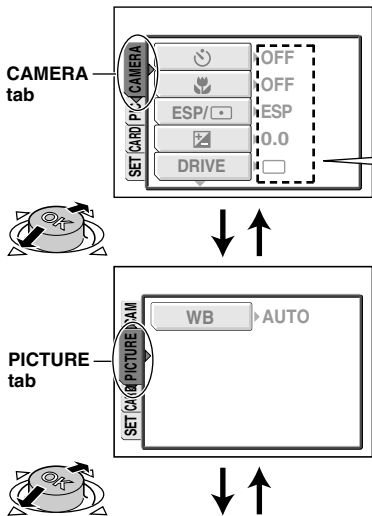
SCENE SELECT P. 34

Setting functions in MODE MENU

The following example shows the setting.



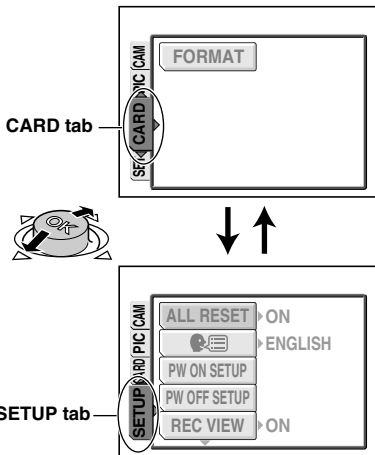
1 Select a tab.



The functions are categorized under tabs.

The current setting is displayed.

Push up or down to select a tab.

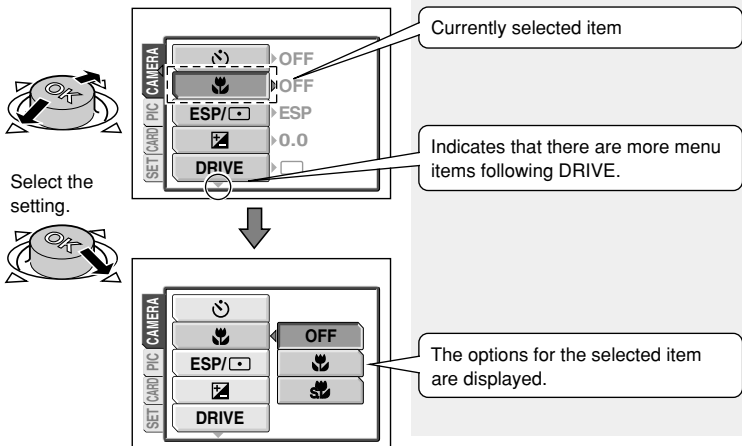


When a tab is selected, the respective functions are displayed.

2 Move to the functions of the tab you are selecting.

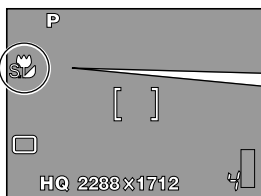
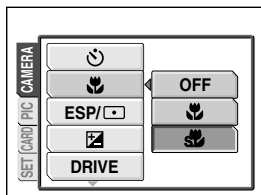
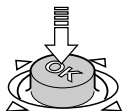


3 Select the item.



4 Select the option and confirm it.

Press the Joystick repeatedly until the menu disappears.



Normal shooting screen is restored.

The icon corresponding to the setting is displayed. (The super macro icon is displayed here.)

Returning to the previous item on the menus

**Explanations for menu operation**

This manual uses the following explanations for menu operations.

Setting functions in MODE MENU:

Example: In the top menu, select MODE MENU → SETUP → REC VIEW → OFF or ON.

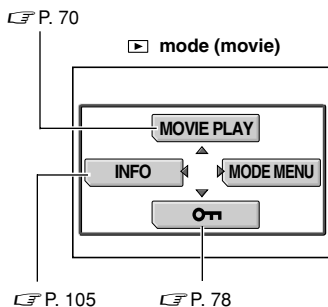
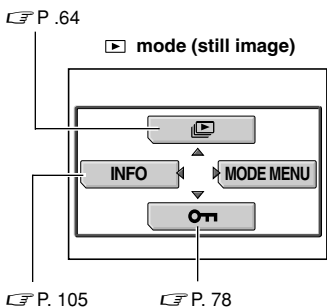
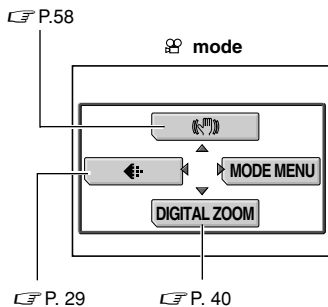
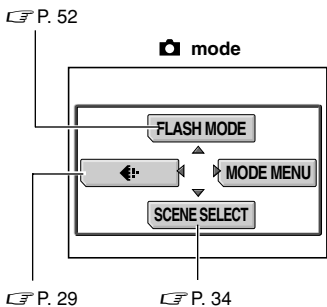
Going to the setting screen directly and setting the function:

Example: In the top menu, select FLASH MODE.

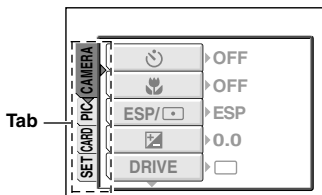
Types of the menus

Top menu

1
Basic operations



Mode menu



CAMERA : Sets shooting functions.

PICTURE : Sets white balance.

EDIT : Edits recorded images.

CARD : Formats the card or erases all recorded images.

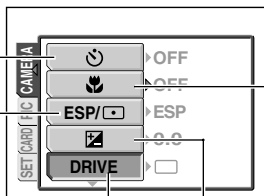
SETUP : Sets basic functions that allow you to use the camera more efficiently, such as date, time, language selection
 ●●●, etc.

PLAY : Sets playback functions.

mode

P. 42

CAMERA tab



P. 55

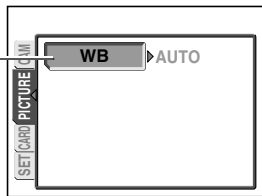
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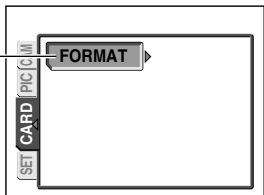
P. 57

PICTURE tab



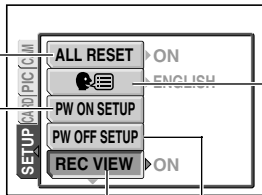
P. 106

CARD tab



P. 82

SETUP tab (CAMERA mode)



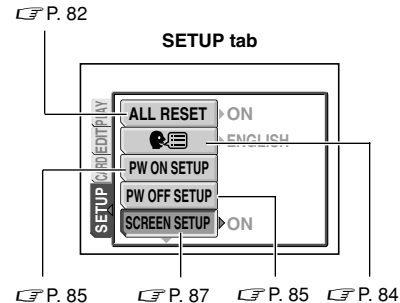
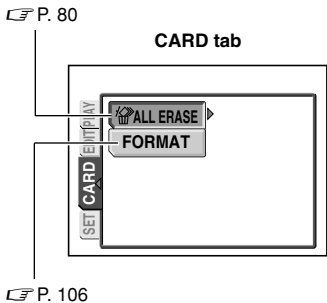
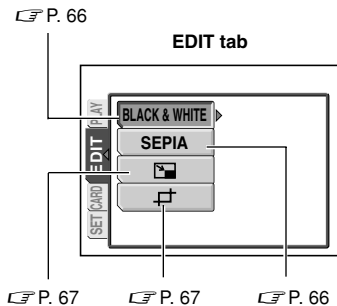
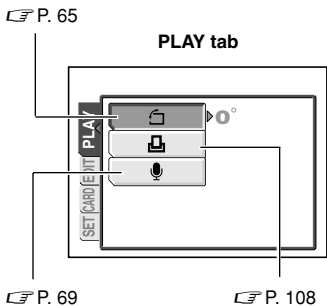
P. 85

P. 89

P. 85

P. 84

▶ mode

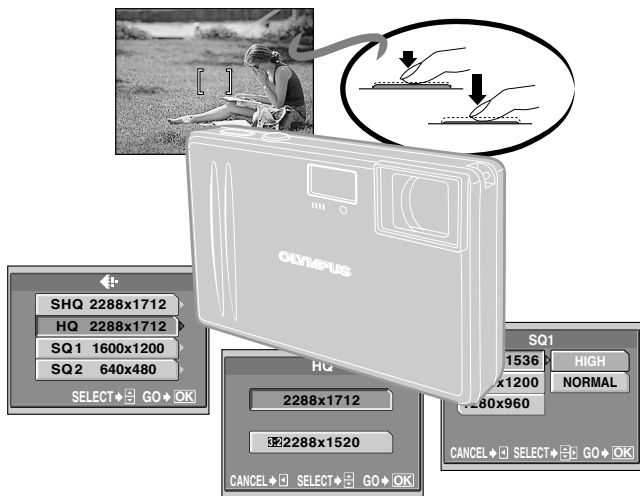


2

Things to know before shooting

In most shooting situations, the camera can give you satisfying results if you simply press the shutter button. However, sometimes you may come across a subject that is difficult to focus on. This chapter explains how to deal with those hard-to-focus subjects.

Another important thing is to select the appropriate record mode before you start shooting. Remember that depending on what you are going to do with your shots later, you may find that the image looks grainy in large prints, the file size is too big for e-mail, etc. To avoid this kind of problem, always check the record mode before shooting.



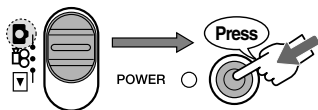
If correct focus cannot be obtained

The camera selects the subject to focus on automatically by detecting the contrast. If the subject's contrast is relatively weak, the camera may focus on something else within the chosen image composition. To avoid this you can use Focus Lock.

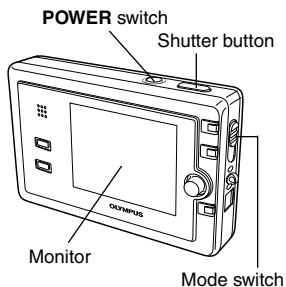


How to focus on a difficult subject

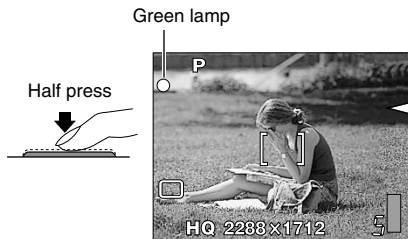
- 1 Turn on the power in the  mode.



- 2 Position the AF target mark on the subject you want to focus on.



- 3** Keep the shutter button pressed halfway until the green lamp lights.



When shooting a hard-to-focus subject, point the camera at an object about the same distance away as the subject.

- 4** Keeping the shutter button pressed halfway, recompose your shot.



The focus and exposure are locked (autofocus).

If the green lamp blinks when the shutter button is pressed
The subject is out of focus. Recompose your shot and try focusing again.

- 5** Fully press the shutter button to capture the picture.

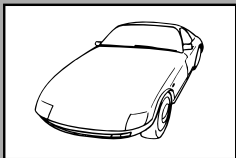


Subjects that are difficult to focus on

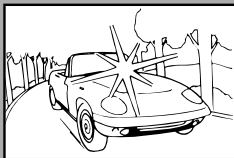
Under the following conditions, auto focus may not work properly.

The green lamp blinks:

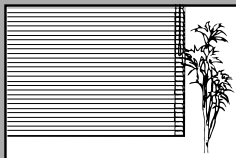
The subject cannot be brought into focus.



Subjects with low contrast



Subjects in excessively bright light in the center of the frame



Subjects with no vertical lines

2

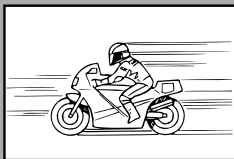
Things to know before shooting

The green lamp lights, but

the subject cannot be brought into focus.



Subjects with different distances



Fast-moving subjects



The subject you are focusing on is not in the center of the frame.

If this happens, focus on a high-contrast object the same distance away as the intended subject, recompose your shot and then take the picture. If the subject has no vertical lines, hold the camera vertically and adjust the focus, then return the camera to the horizontal position to take the picture.



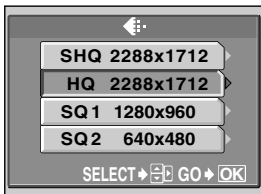
You can select the best record mode for your purpose (printing, editing on a PC, attaching to e-mail, etc.).

Still picture record mode

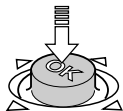
1 In the mode, select in the top menu.

“How to use the menus” (P. 17)

2 Select from [SHQ], [HQ], [SQ1] or [SQ2].



Confirm the setting

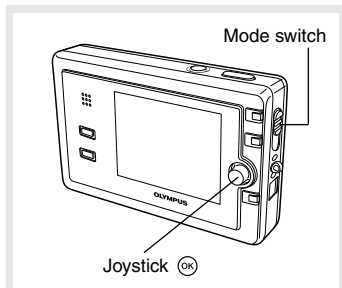
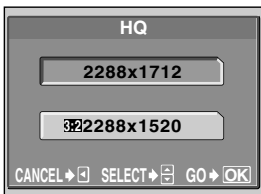
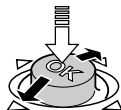


When you select the picture size



3 Select the picture size.

SHQ/HQ setting



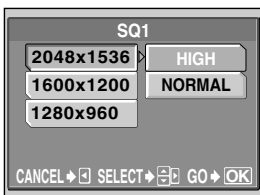
Refer to the table on page 31 for selecting the record mode.

2

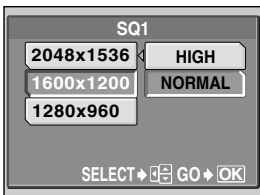
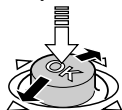
Things to know before shooting

SQ1/SQ2 setting

Select the picture size.

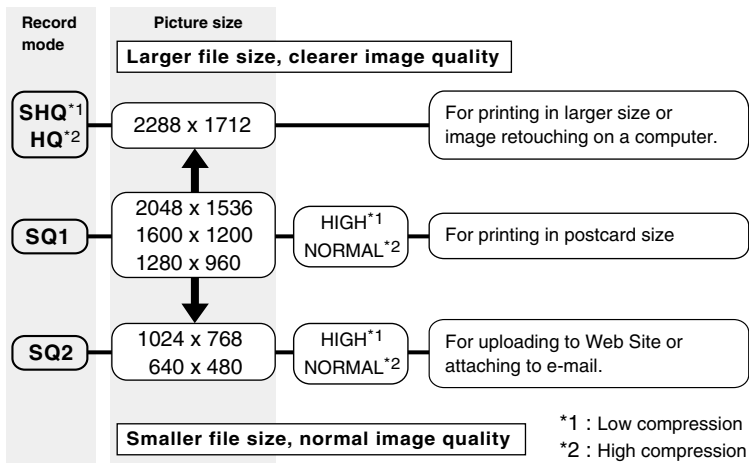


Select the compression.



2

Things to know before shooting

**3:2**

The image aspect ratio is normally 4:3. If the aspect ratio is changed to 3:2, the image can be printed at a photo lab without losing the image borders.




**Compression**

Image data are compressed with this camera. The higher the compression, the less clear the image will be.

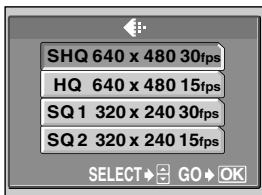
! Note

The number of remaining pictures may change according to the subject or factors like whether print reservations have been made or not. In certain instances, the number of remaining pictures displayed on the monitor does not change even when you take pictures or stored images are erased.

Movie record mode

- 1 In the  mode, select  in the top menu.
 “How to use the menus” (P. 17)

- 2 Select the record mode.



640 x 480, 320 x 240 → Resolution
 30 fps → 30 frames/sec.

Resolution

The number of pixels (horizontal x vertical) used when saving an image. If the image is going to be printed, higher resolutions (larger numbers) are recommended so that the image will be clearer. However, higher resolutions make the file size (amount of data) larger, so fewer pictures can be saved.

Resolution and picture size on a computer screen

When a picture is transferred to a computer, the size of the picture on the computer screen varies depending on the computer's monitor setting. For instance, a picture taken in 1024 x 768 resolution is the same size as the screen if you set the picture to 1x when the monitor setting is 1024 x 768. However, if the monitor setting is over 1024 x 768 (such as 1280 x 1024), the picture only takes up part of the screen.

3

Advanced shooting

Close-ups of small objects like flowers or jewelry, capturing a fast-moving subject like a child running around, shooting with a natural-looking illuminated background at night — did you ever wonder how to achieve the results you want without complicated and time-consuming camera settings?


With this camera, you will find a new way of capturing all those special moments and effects in an instant. All you have to do is to select the appropriate mode, and concentrate on your composition; no complicated settings as with other cameras.

Also, many more features are available, including panorama shooting for assembling several images to form a single panoramic image, and 2-in-1 shooting to store two successive images as a single picture, features which only a digital camera can provide. The more you shoot, the more possibilities you will discover.



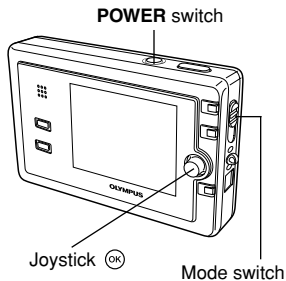
Using the situation-related shooting modes

In addition to the basic shooting mode (Program Auto), more than 10 different shooting modes (☞ P. 34 - 38) are available to suit a wide range of shooting situations. The camera automatically optimizes the settings for the shooting conditions and provides the effects you want.

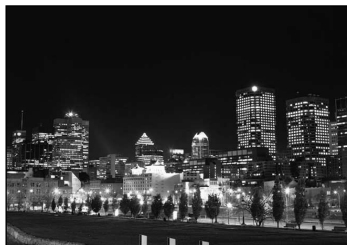
- 1** In the  mode, select **SCENE SELECT** in the top menu.
☞ “How to use the menus” (P. 17)

- 2** Select the shooting mode.

Currently selected mode



NIGHT SCENE



Suitable for shooting images of outdoor scenes in the evening or at night. Usually a street at night makes a dark image with only the sparkle of lights such as street lamps due to the lack of brightness. This mode allows you to capture the true appearance of the street.

- Since the shutter speed is slow, be sure to stabilize the camera.



NIGHT+PORTRAIT



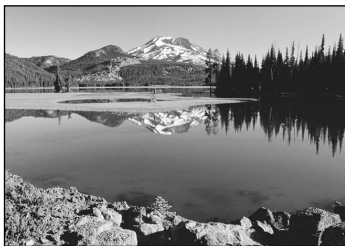
Suitable for shooting both the main subject and background at night.

- Since the shutter speed is slow, be sure to stabilize the camera.
- The flash fires in the red-eye reduction mode.

☞ “Flash” (P. 52)



LANDSCAPE



Suitable for shooting landscapes and other outdoor scenes. Vivid reproduction of blues and greens.



LANDSCAPE+PORTRAIT



Suitable for shooting both main subject and background. The camera brings both of them into focus.



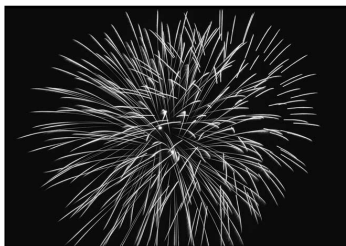
INDOOR



Suitable for shooting both the main subject and background indoors. Clear reproduction of background as well.



FIREWORKS



Suitable for shooting fireworks.

- Since the shutter speed is slow, be sure to stabilize the camera.



PORTRAIT



Suitable for shooting a portrait-style image of a person. Only the subject is brought into focus with a blurred background.

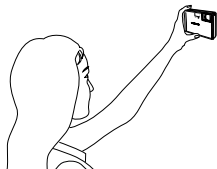


SELF PORTRAIT



Allows you to take a picture of yourself while holding the camera. The focus is locked on you (shooter).

- Zoom position is fixed at W.



CUISINE



Suitable for still life photography. Vividly reproduces colors of fruit, vegetables, flowers, etc.



SPORT



Suitable for capturing fast-moving action without blurring.



BEACH & SNOW



Suitable for shooting snow-capped mountain landscapes, white sand beaches, seascapes, etc.



AVAILABLE LIGHT PORTRAIT



Suitable for shooting sensitive subjects in lowlight conditions without a flash.

- Since the shutter speed is slow, be sure to stabilize the camera.



SUNSET




Suitable for taking sunset pictures. Vivid red and yellow color reproduction.

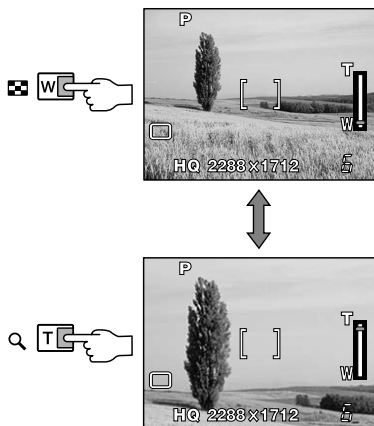
- The flash cannot be used.
- Since the shutter speed is slow, be sure to stabilize the camera.

Telephoto shooting is possible by using the optical and digital zoom. The optical zoom uses the lens of the camera to move you closer to your subject, and digital zoom crops the center of the image projected onto the CCD and enlarges it digitally with slightly reduced picture quality.

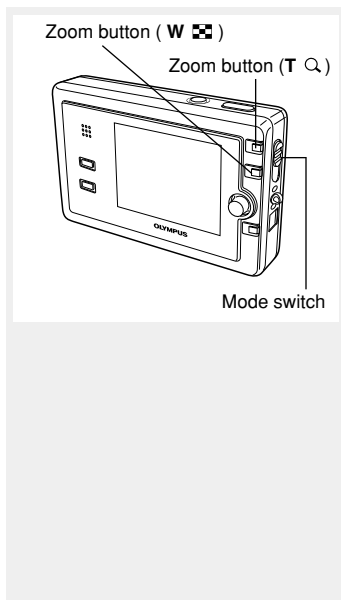
This camera offers 2.8x optical zoom magnification (equivalent to 40 mm to 112 mm on a 35 mm film camera). By combining the optical zoom and digital zoom, you can increase magnification up to approximately 30x (record mode: SQ2). The maximum zoom magnification is 15x when shooting still pictures in the SHQ, HQ or SQ1 modes. The maximum zoom magnification is 11x when shooting movies.

Optical zoom

- 1** Press the zoom button in the  mode.



- 2** Take the picture.



DIGITAL ZOOM — Using the digital zoom

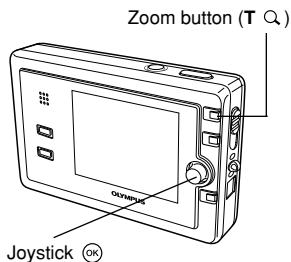
1 In the mode:

In the top menu, select **MODE MENU**
→ **CAMERA** → **DIGITAL ZOOM** →
ON.

In the mode:

In the top menu, select **DIGITAL ZOOM** → **ON**.

 “How to use the menus” (P. 17)







2 Press the zoom button (T) .



If the digital zoom is set to ON, a red area appears on the zoom indicator. When you reach the limit of the optical zoom, the digital zoom is activated.

Note

- Pictures taken using digital zoom may appear grainy.
- Camera movement is likely to occur at higher magnification during telephoto shooting. Stabilize the camera to avoid camera movement.
- When you are shooting in the SQ2 record mode, the images you are viewing on the monitor will appear grainier than the actual recorded images.
- Zoom cannot be used when the shooting mode is set to SELF PORTRAIT ( P. 37) or  is set to  ( P. 41).



Focusing is usually slow when you get close to a subject. In the macro mode focusing will be performed quickly.









 (macro)

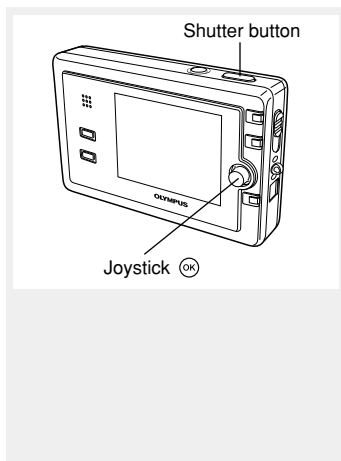
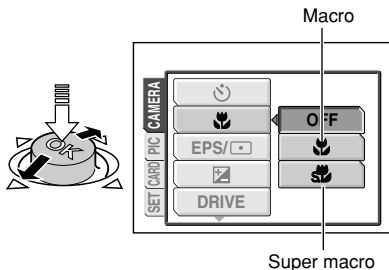
For shooting from as close as 30 cm – 50 cm (1ft - 1.6ft) to a subject.



 (super macro)



For shooting from as close as 3 cm (1.2 in) to a subject.

- 1** In the  or  mode, select **MODE MENU** in the top menu → **CAMERA** →  →  or .
-  “How to use the menus” (P. 17)



- 2** Take the picture.

Note

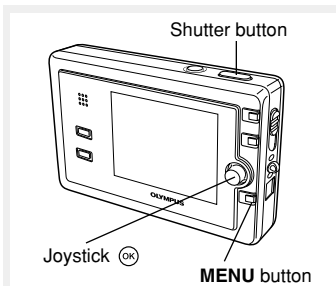
- If you use the flash in the  (macro) mode, shadows may be noticeable and the correct exposure may not be achieved.
- In the  (super macro) mode, flash or zoom cannot be used.



This feature allows you to take pictures with yourself in them. Stabilize the camera.

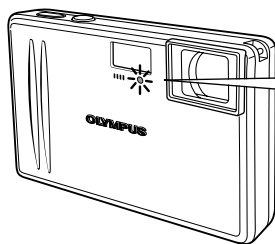
- 1 In the or mode, select **MODE MENU** in the top menu → **CAMERA** → → **ON**.

“How to use the menus” (P. 17)



The mark is displayed.

- 2 Take the picture.



The self-timer lamp lights up for approximately 10 seconds, then blinks for approximately 2 seconds before the picture is taken.




To stop the self-timer, press **MENU** so that the self-timer lamp goes off.

Note

The self-timer is canceled automatically when shooting is finished. However, in 2 IN 1 (P. 46) or PANORAMA (P. 44) shooting, the self-timer is not canceled after one shot.

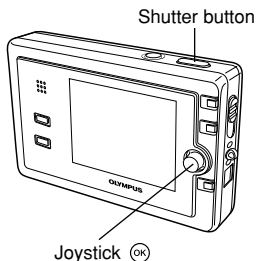
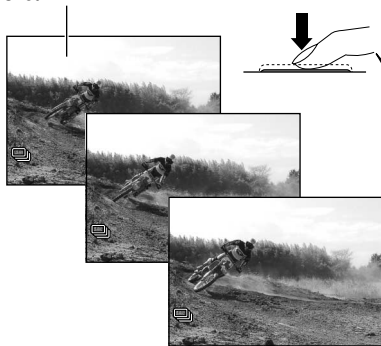


You can shoot pictures sequentially. In the HQ record mode, approximately 9 frames can be shot in sequence.

- 1** In the  mode, select **MODE MENU** in the top menu → **CAMERA** → **DRIVE** →  .
 “How to use the menus” (P. 17)

- 2** Take pictures.

Focus, exposure and white balance are locked at the first shot.



The camera takes pictures in sequence while the shutter button is being pressed down. Releasing the shutter button stops sequential shooting.

3*Advanced shooting*

Note

Sequential shooting is not available in some situation-related shooting modes.


 “Available functions by shooting mode” (P. 168)

You can take advantage of panorama shooting when you use an Olympus xD-Picture Card. Pictures with overlapping edges can be connected to form a single panoramic image with OLYMPUS Master software (included on the provided CD-ROM).



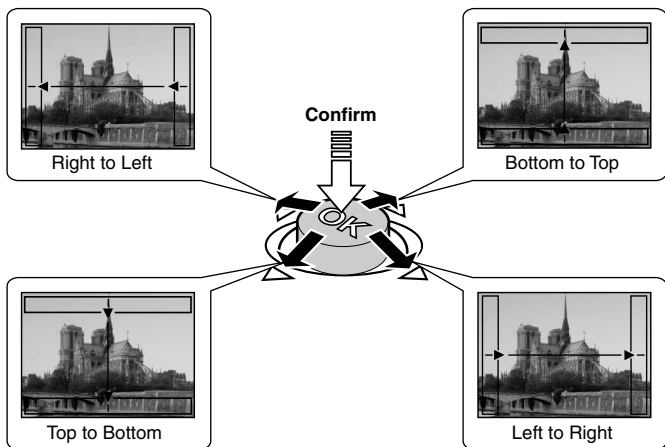
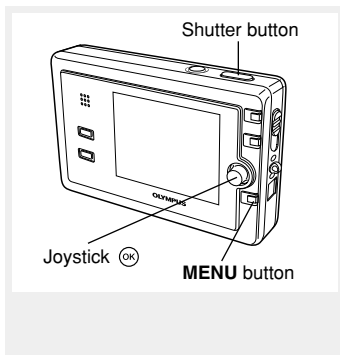
3

Advanced shooting

- 1** In the  mode, select **MODE MENU** in the top menu → **CAMERA** → **PANORAMA**.

 "How to use the menus" (P. 17)

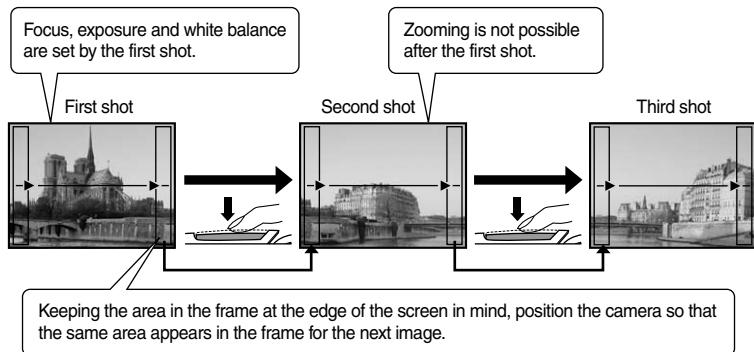
- 2** Use the Joystick to select the direction you want the images connected.



3 Make sure that the edges of images overlap, then take your pictures.

Panorama shooting is possible for up to 10 pictures.

Example: When connecting images from left to right.



4 Press MENU to finish panorama shooting.

! Note

- Panorama shooting is possible only when using the Olympus brand card.
- The following functions are not available during panorama shooting: flash shooting, sequential shooting, 2 IN1 shooting, SELF PORTRAIT shooting

Allows you to combine two pictures taken in succession and store them as a single picture.



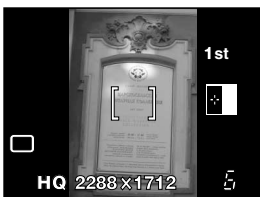
First shot

Second shot

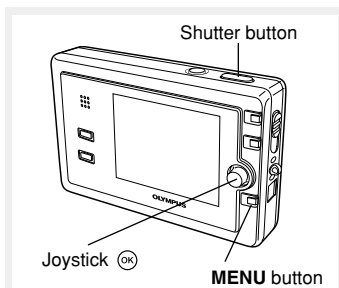
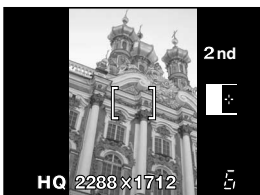
1 In the mode, select **MODE MENU** in the top menu → **CAMERA** → **2 IN 1**.

“How to use the menus” (P. 17)

2 Take the first shot.



3 Take the second shot in succession.



- The subject will be on the left in the combined image.
- To cancel the first shot, press **MENU**.

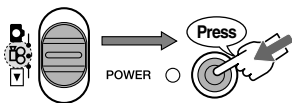
- The pictures are combined and stored as a single picture.
- The subject will be on the right in the combined image.
- The 2-IN-1 shooting mode is canceled automatically after the second shot.



You can record movies and sound simultaneously. When shooting in the SHQ record mode, the maximum recording time is approximately 8 seconds.

1 Turn on the camera in the mode.

 P. 10



2 Compose your shot while viewing the monitor.



Flash cannot be used.



AF target mark

 P. 26

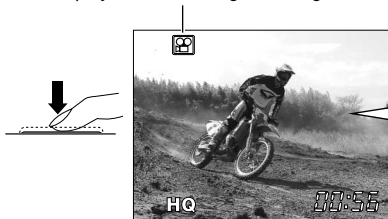
Remaining movie recording time (hour : min. : sec.)



- The subject can be magnified using the zoom button.
 "Zoom" (P. 39)
- The remaining recording time depends on the selected record mode, free space available on the card, etc.  "Selecting the record mode" (P. 29)

3 Start recording.

Press the shutter button fully.

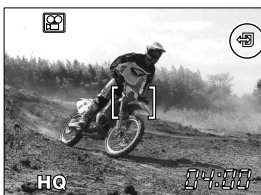
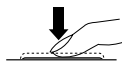
Displayed in red during recording




- Focus and optical zoom are locked while recording movies with sound.
- You can record movies without sound by setting  to OFF.
 "Recording sound" (P. 49)

4 Stop recording.

Press the shutter button fully again.



 blinks while the movie is being stored on the card.

3

Note

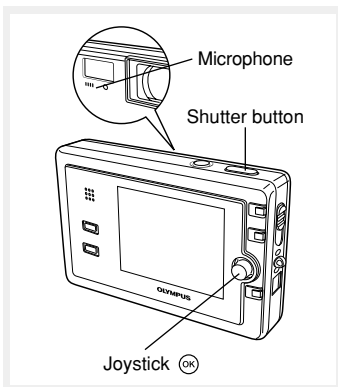
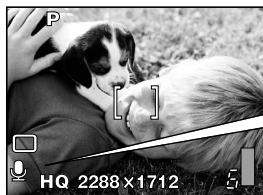
When the remaining recording time has been used up, recording stops automatically.



This function lets you record sound when taking a still picture or recording movies.

- 1** In the top menu, select **MODE MENU**
 → **CAMERA** → → **ON**.
 ☞ “How to use the menus” (P. 17)

- 2** Take a picture or record movies.



The mark is displayed.

Recording sound with still pictures:

- Recording starts immediately after the shutter is released and lasts about 4 seconds.
- When recording starts, turn the camera microphone towards the source of the sound you want to record. A bar is displayed during recording.
- Sound can be added later to still images. Recorded sound can also be changed. ☞ “Adding sound to recorded images” (P. 69).

Note

- Sound may not be recorded clearly in the following situations:
 - When the microphone is covered with your fingers
 - When the camera is more than 1 m (3.3 ft.) away from the source of the sound
- It is not possible to take another picture during sound recording.
- Sound recording is not possible during sequential shooting, 2 IN 1 or PANORAMA shooting.
- Sound recording may also pick up camera noises, such as button operations, shutter movement, etc.

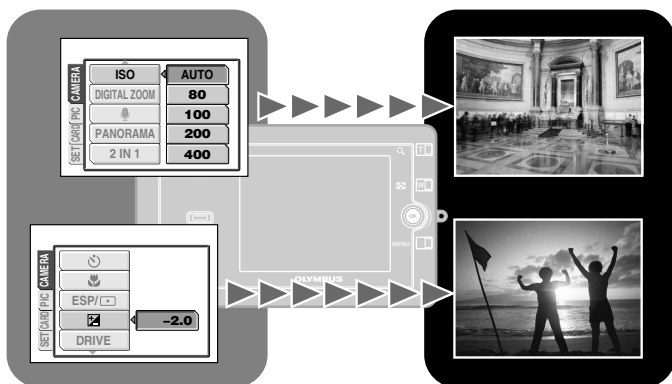
4

How to optimize your settings before shooting

If you wish to go beyond simple shooting using only the shutter button, you will find various functions that can be used to modify image/brightness/exposure parameters to achieve remarkably better results.

For instance, if you want to shoot in a place where the use of a flash is prohibited, such as a museum or theater, or if your subject would strongly reflect the flash light, shooting without the flash would typically result in a blurred or dark picture. To overcome this problem, try adjusting the ISO setting; use a lower ISO value with normal light, and a higher ISO value with dark subjects.

With exposure compensation you can adjust the image brightness and make a significant difference to how the picture turns out. Try adjusting toward “-” when shooting a sunset. The setting sun will glow dark red over the dark ocean.





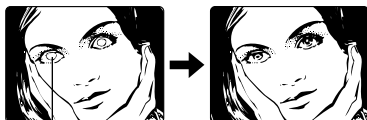
You can select from 4 different flash modes depending on the light conditions and the effect you want to achieve.

Auto-flash (No indication)

Automatically fires in low-light and backlight conditions.

Red-eye reduction flash (👁)

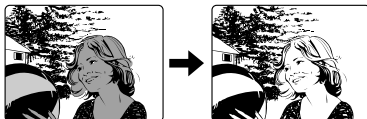
The light from the flash may make the subject's eyes appear red in the image. The red-eye reduction flash mode significantly reduces this phenomenon by emitting pre-flashes before firing the regular flash. This helps accustom the subject's eyes to the bright light and minimizes the red-eye phenomenon.



The subject's eyes appear red.



Fill-in flash (⚡)

The flash fires regardless of available light. This mode is useful for eliminating shadows on the subject's face (such as shadows from tree leaves) or for correcting the color shift produced by artificial lighting (especially fluorescent light).



Flash off (🚫)

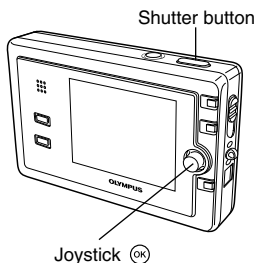
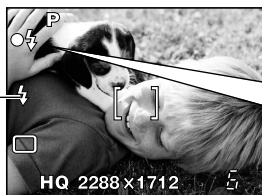
The flash does not fire even in low light conditions. Use this mode in situations where flash photography is not desired or is prohibited. You can also use this mode when you want to shoot a natural-looking twilight or night scene.



1 In the  mode, select **FLASH MODE** in the top menu, then select the flash mode.  “How to use the menu” (P. 17)

2 Press the shutter button halfway.

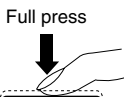


The icon of the selected flash mode



The  (flash stand-by) mark lights when the flash is ready to fire. If the  mark is blinking, the flash is charging. Wait until charging is complete.

3 Press the shutter button all the way down (fully) to take the picture.








Flash working range

W (max.) : Approx. 0.3 m - 2.2 m
(1.0 ft - 7.2 ft)

T (max.) : Approx. 0.3 m - 1.3 m
(1.0 ft - 4.3 ft)

Note

- When using a situation-related shooting mode ( P. 34), the flash may not be used.
- The flash cannot be used during sequential shooting ( P. 43), super macro shooting ( P. 41) or movie recording ( P. 47).
- When there is a likelihood that camera movement will occur in the flash off mode, the  (camera movement warning) mark blinks. Use the flash.

Red-eye reduction flash

- After the pre-flash, it takes approximately 1 second before the shutter is released. Hold the camera firmly after the pre-flash to prevent camera movement.
- Effectiveness may be limited if the subject is not looking directly at the pre-flashes, or if the shooting range is too far. Individual physical characteristics may also limit effectiveness.

Fill-in flash


- Fill-in flash may not have the desired effect under excessively bright light.

Flash off

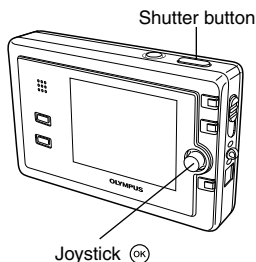
- Since a slow shutter speed is automatically selected in low-light situations in the flash off mode, it is recommended that you stabilize the camera to prevent your pictures from being blurred by camera movement.

ISO sensitivity

The higher the ISO value, the greater the camera's light sensitivity and the better its ability to shoot in low light conditions. However, higher values also introduce noise into the resulting image, which may give them a grainy appearance.

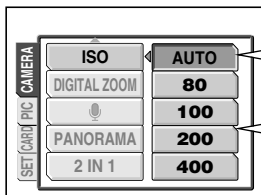
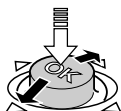
1 In the  mode, select **MODE MENU** in the top menu → **CAMERA** → **ISO**.

 "How to use the menus" (P. 17)



4

2 Select the most suitable ISO sensitivity.



Sensitivity is automatically adjusted according to the light conditions and the subject brightness.

With a lower ISO setting, you can shoot clear, sharp images in daylight. With a higher ISO setting, you can use faster shutter speeds with the same amount of light.

3 Take the picture.

Note

- ISO sensitivity expresses the speed of photographic negative with film cameras, and the given values with a digital camera are ISO equivalent.
- When ISO is set to AUTO and you are shooting in dark conditions without a flash, the sensitivity automatically increases; otherwise the shutter speed will be reduced, possibly resulting in camera movement and blurred images.
- If the subject is too far away from the flash the sensitivity will be automatically increased when ISO is set to AUTO.

Spot metering is useful when you do not want to let the brightness of the surrounding area affect the picture. Recommended for shooting a backlit subject.







ESP

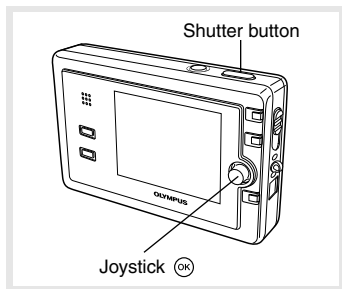
Meters the center of the monitor and the surrounding area separately. The area in the center of the monitor may appear dark when there is strong backlight.



Meters only the center of the monitor to determine exposure. A subject can be shot with optimal exposure regardless of the background light.

- 1** In the  or  mode, select **MODE MENU** in the top menu → **CAMERA** → **ESP/□** → select **ESP** or .
 "How to use the menus" (P. 17)

- 2** Take the picture.



Varying the image brightness (Exposure Compensation)



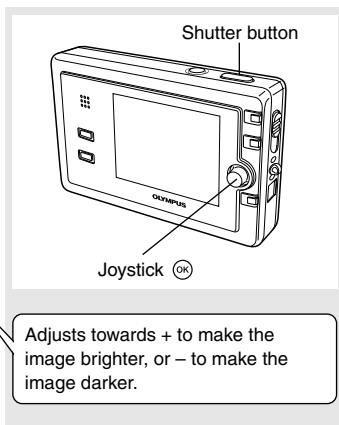
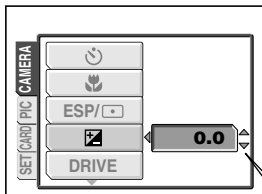
In some situations, you may get better results when the exposure that the camera sets is compensated (adjusted) manually. Often bright subjects (such as snow) will turn out darker than their natural colors. Adjusting toward + makes these subjects closer to their real shades. For the same reason, adjust toward – when shooting dark subjects. Exposure can be adjusted in the range of ± 2.0 EV in $1/2$ EV steps.



4

How to optimize your settings before shooting

- 1 In the or mode, select **MODE MENU** in the top menu → **CAMERA** → , then adjust the exposure.
 “How to use the menus” (P. 17)






- 2 Take the picture.

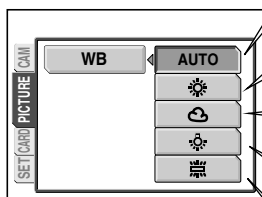
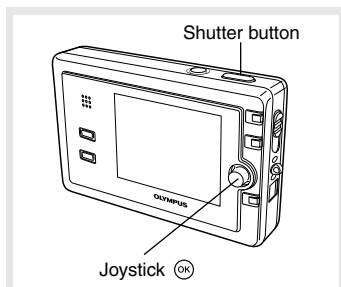
! Note

- If the flash is used, the image brightness (exposure) may differ from the intended brightness.
- Exposure compensation cannot correct the image if the surroundings of the subject are extremely bright or dark.

WB — Adjusting the color tone


Color reproduction differs depending on the light conditions. For instance, when daylight, the setting sun or tungsten lighting are reflected on white paper, the shade of white produced will be slightly different for each. By setting the WB (white balance), you can achieve more natural-looking colors.


- 1** In the  or  mode, select **MODE MENU** in the top menu → **PICTURE** → **WB**, then select the white balance.
 “How to use the menus” (P. 17)




The white balance is adjusted automatically so that colors look natural irrespective of the light source.

 For natural colors under a clear sky.



 For natural colors under a cloudy sky.

 For natural colors under tungsten lighting.

 For natural colors under fluorescent lighting.

- 2** Take the picture.

Note

- White balance may not be effective under certain light sources.
- After setting a white balance other than AUTO, play back the image and check the colors on the monitor.  “Playback” (P. 59)
- When the flash is fired with a white balance setting other than AUTO, colors may appear different in the resulting image from the colors you see on the monitor.
- White balance is determined automatically by the camera if a situation-related shooting mode ( P. 34) is selected.

4

How to optimize your settings before shooting

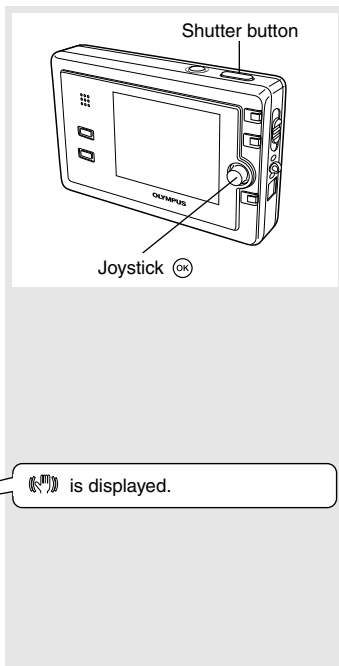
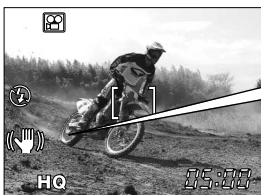
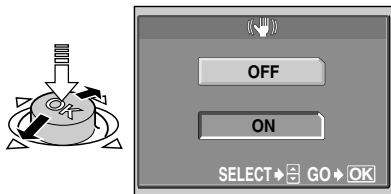


Reduces the effects of camera shake during movie recording.

The camera prevents the subject from appearing blurred by adjusting the images projected onto the CCD as the subject moves. Images will be slightly enlarged if this function is used.

1 In the mode, select in the top menu, then select ON.

"How to use the menus" (P. 17)



2 Start movie recording.

Note

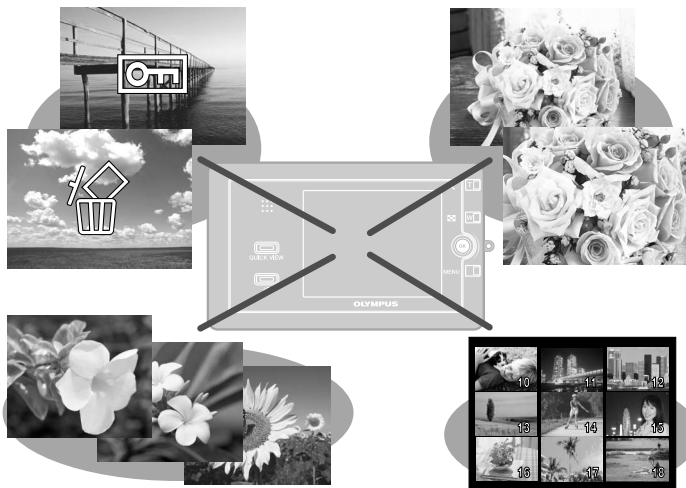
- Image stabilizer may not be effective depending on the camera or subject movement.
- Be sure to turn off this function when you stabilize the camera before shooting. The resulting images may shake according to the subject movement.

4 How to optimize your settings before shooting

5

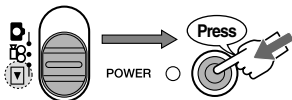
Playback

One of the big advantages of a digital camera is that as soon as you take a picture, you can see how it looks right away. That means that if the picture is out of focus or just hasn't turned out the way you want, you can erase it and try again. With a film camera, on the other hand, you won't know if there is a problem with the picture until you get the film developed. Because a digital camera lets you erase those unwanted images, you can keep more memory free to store images and take more shots. You can also protect images that you do not want to erase. Another benefit is that you can edit recorded images: change colors to black and white or sepia, trim images, change the resolution, etc. So take advantage of your digital camera's benefits and have fun taking great pictures.



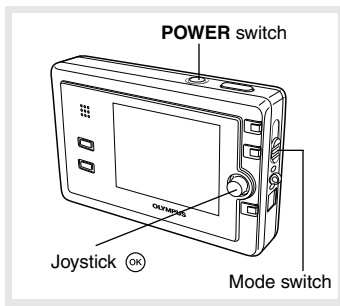
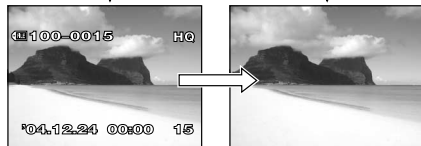
Single-frame playback

- 1** Turn on the camera in the  mode.



The last recorded image appears.

The shooting information displayed on the screen disappears after 3 seconds.



5
Playback

- 2** Use the Joystick to select images you want to view.

Push the Joystick left to display the previous image.



Push the Joystick up to jump to the image 10 frames back.

Push the Joystick down to jump to the image 10 frames ahead.

Push the Joystick right to display the next image.

Note

If the camera is not operated for more than 3 minutes, the monitor turns off, then the camera turns off. When the AC adapter is used, the camera does not turn off.

Close-up playback

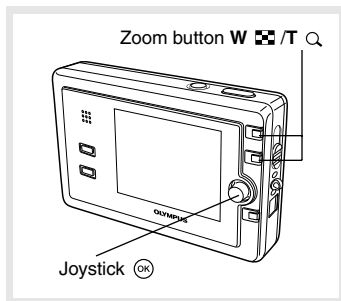


Lets you enlarge and display images at up to 5 times normal size.


1 Play back the image you want to view.

☞ “Single-frame playback” (P. 60)

2 Press the zoom button to enlarge it.




Each time you press the zoom button, the image is enlarged.

- Images with the  mark cannot be enlarged.



Pressing the Joystick displaces the image in the direction of the arrow.



Each time you press the zoom button , the image is enlarged in steps of 1 time.



The image returns to the original size (1x).


Index display

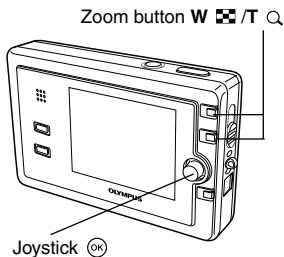
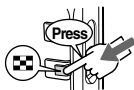


Lets you show several images at the same time on the monitor. It is useful when you want to quickly search a number of images to find a particular one.

1 Play back an image.

☞ “Single-frame playback” (P. 60)

Press the zoom button .



- The 9-frame index screen is displayed.
- You can also select the number of images on an index screen from 4, 16 or 25. ☞ “Selecting the number of images” (P. 100)

2 Use the Joystick to select the desired image.




Moves to the previous frame.

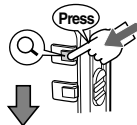
Moves to the frame located above the frame you are selecting.



Moves to the frame located below the frame you are selecting.

Moves to the next frame.

Press the zoom button . The screen returns to single-frame playback.




Calendar display



You can search and view images stored on the card according to calendar date.

1 Press the zoom button twice.



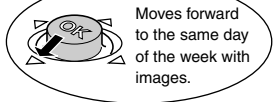
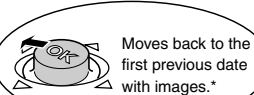
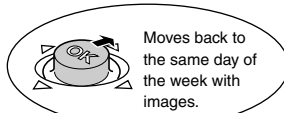
In index display mode, press the zoom button  once.

If more than one image was taken on a single date, the image shot first on that date is displayed.

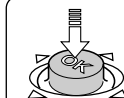
2 Use the Joystick to select the date.

Example

20th is currently selected.



*Moves only to dates with images.





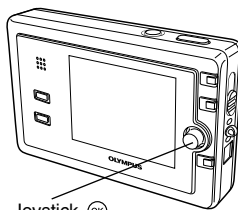
The first frame of the selected date enters single-frame playback mode.

Slideshow (sequential auto playback)



Lets you run through images stored in the card one after another. If you try to use slideshow with a movie, only the first frame of the movie is played back.



- 1** In the top menu, select .
 "How to use the menus" (P. 17)



Joystick (OK)

Slideshow starts.

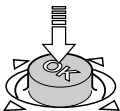
Slideshow repeats until the Joystick is pressed.

  SETUP — Changing the slideshow pattern" (P. 101)

5

Playback

- 2** End slideshow.



Note

When running a slideshow for a long time, we recommend that you use the AC adapter. If you use the battery, the camera will enter the sleep mode after about 30 minutes and stop the slideshow automatically.

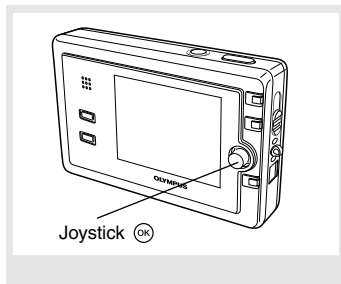
Rotating images



Images shot with the camera held vertically are displayed horizontally. This function lets you turn such images 90 degrees counterclockwise or clockwise so that they are displayed vertically.

Example:

Images shot with the camera held vertically.



1 In the top menu, select MODE MENU

→ PLAY → → +90°, 0° or -90°.

"How to use the menus" (P. 17)

[+90°]



Image turned 90 degrees clockwise

[-90°]



Image turned 90 degrees counterclockwise

[0°]



Original image before rotating

5

Playback

! Note

- New picture orientations are saved even when the power is turned off.
- Protected pictures cannot be rotated. P. 78


Editing still images

Lets you edit recorded still images. The following editing functions are available. Edited images will be saved as new images.


BLACK & WHITE Creates black and white images.

SEPIA Creates sepia-toned images.

Resizing  Converts the image file size to 640 x 480 or 320 x 240.

Trimming  Crops part of image.

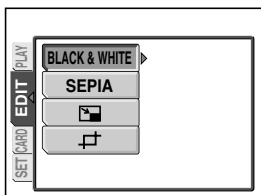
BLACK & WHITE and SEPIA

1 Play back the image you want to change to a black and white image or sepia-toned image.  "Single-frame playback" (P. 60)

2 In the top menu, select **MODE MENU** → **EDIT**.

 "How to use the menus" (P. 17)

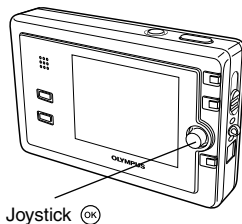
3 Select **BLACK & WHITE** or **SEPIA**.



4 When you have selected **BLACK & WHITE**: Select **BLACK & WHITE**.

When you have selected **SEPIA**:

Select **SEPIA**.



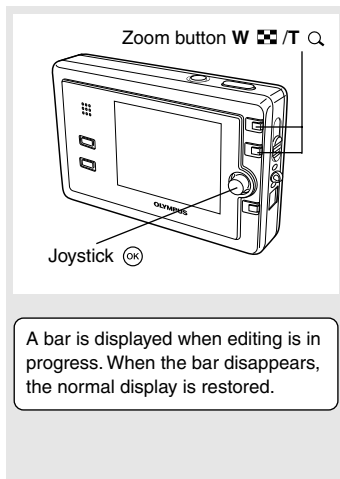
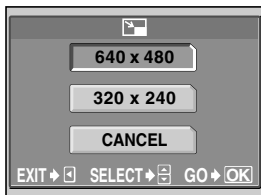
The black and white image or sepia-toned image is displayed.

A bar is displayed when editing is in progress. When the bar disappears, the normal display is restored.

Resizing



- 1 Play back the image you want to resize.
☞ “Single-frame playback” (P. 60)
- 2 In the top menu, select MODE MENU
→ EDIT → .
☞ “How to use the menus” (P. 17)
- 3 Select the file size.



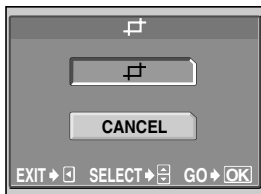
5

Playback

Trimming



- 1 Play back the image you want to trim.
☞ “Single-frame playback” (P. 60)
- 2 In the top menu, select MODE MENU
→ EDIT → .
☞ “How to use the menus” (P. 17)
- 3 Select .

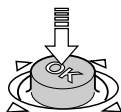
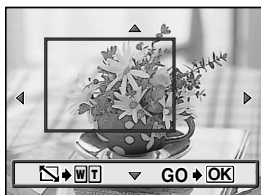
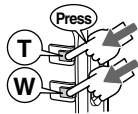


4 Set trimming.

Set the trimming position.



Set the trimming size.



The orientation of the trimming frame changes from horizontal to vertical and vice versa when the maximum or minimum size is reached.

The preview is displayed.

A bar is displayed when editing is in progress. When the bar disappears, the normal display is restored.

- To change the trimming setting, select RESET. Do the procedure from step **4**.
- To quit trimming setting, select CANCEL.

5 Select OK.**Note**


- In the following cases, EDIT is not available:
 - Movie
 - Images processed on a personal computer
 - When the card does not have enough memory
- Trimmed images may appear grainy when printed.



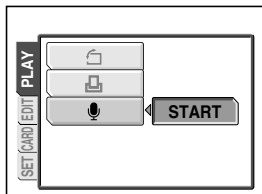
Sound can be added to a still image that you have already shot. You can also re-record over the sound that has already been recorded. Recording time per image is approximately 4 seconds.

1 Play back the image you want to add sound to.

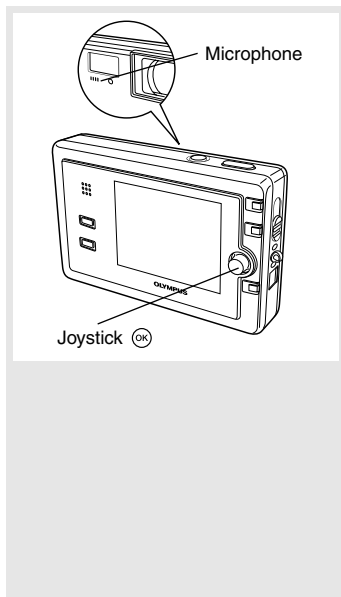
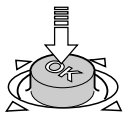
☞ “Single-frame playback” (P. 60)

2 In the top menu, select MODE MENU → PLAY → .

☞ “How to use the menus” (P. 17)



3 Point the camera microphone at the target and start recording.




5

Playback

! Note

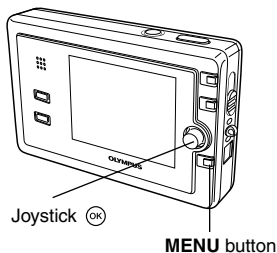
- To obtain the optimum sound, the microphone should be placed no farther than 1 m (3.3 ft.) away from the subject.
- If you re-record the sound, the original sound is erased.
- Sound may not be recorded if there is insufficient card memory available (the CARD FULL message is displayed).
- Sound recording may pick up camera noises, such as button operation.
- Once sound has been added to an image, it is not possible to erase the sound only. In this case, make a re-recording without sound.



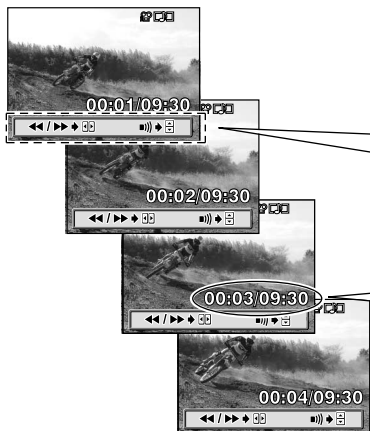
- 1** Display an image with the  mark.
 ☞ “Single-frame playback” (P. 60)



 (movie) mark



- 2** In the top menu, select **MOVIE PLAY**.
 ☞ “How to use the menus” (P. 17)



The first frame of the movie is played back.

Movie play starts.

- During movie play, you can play the movie at double the normal speed or adjust the sound volume.
 - The operation guide is displayed at the bottom of the screen.
- ☞ “Available operations during movie play” (P. 71)

Elapsed playback time/Overall recording time

- 3** When movie play finishes, the menu is displayed.



Movie play starts again at the first frame.

The camera resumes normal playback.

Available operations during movie play

During movie play

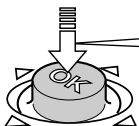
Plays the movie in reverse at double the normal speed. Each time the Joystick is pushed, the speed changes in the following sequence: x2 → x20 → x1

Decreases the sound volume.



Increases the sound volume.

Plays the movie at double the normal speed. Each time the Joystick is pushed, the speed changes in the following sequence: x2 → x20 → x1



Movie pauses.

During pause

Frame-by-frame playback (Holding the Joystick down → Reverse playback)

Jumps to the first frame of the movie.



Jumps to the last frame of the movie.

Frame-by-frame playback (Holding the Joystick down → Playback)

MENU



The step 3 screen is displayed.

Note

No sound is output when a movie is played at double or 20 times the normal speed.

This function lets you create indexes as well as edit movies.

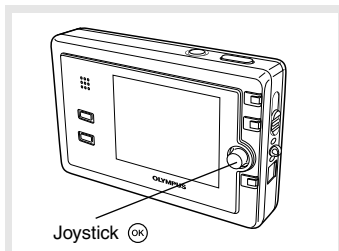
CAPTURE — Capturing a movie frame

You can take one frame from the movie and save it as a still image. CAPTURE is available only for images recorded in the SHQ or HQ record mode.

1 Play back the movie frame you want to save as a still image. “MOVIE PLAY — Viewing movies” (P. 70)

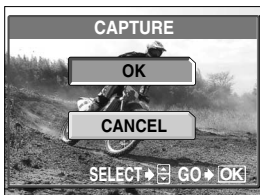
2 In the top menu, select **MODE MENU** → **EDIT** → **CAPTURE**.
 “How to use the menus” (P. 17)

3 Select **OK**.



The captured movie frame is saved as a new still image. The camera resumes normal playback.

5
Playback




Note

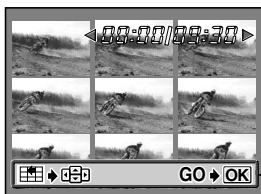
- Images created from movies are saved in 640 x 480 resolution. Images may appear grainier than still images of the same size.
- You cannot create an index if there is insufficient memory space on the card.
- When the card access mark is blinking, do not open the battery/card compartment cover. Doing so can not only damage the recorded images but may damage the card as well, making it unusable.

INDEX — Making movie index

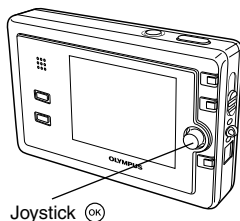
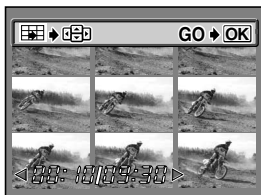
Movies can be displayed as indexes of 9 still frames and stored as still images on the card.

- 1** Play back the movie you want to index.
- 2** In the top menu, select **MODE MENU** → **EDIT** → **INDEX**.
 “How to use the menus” (P. 17)

- 3** Select the first frame of the index.



- 4** Select the last frame of the index as shown in step **3**.



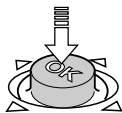
Displays the previous frame. Holding the Joystick down plays the movie back in reverse.

Jumps to the first frame of the movie.



Jumps to the last frame of the movie.

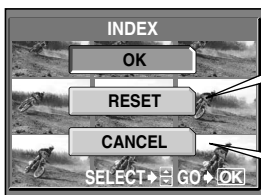
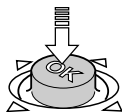
Displays the next frame. Holding the Joystick down plays back the movie.



Setting is confirmed.

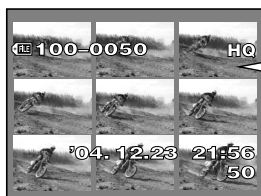
5

Playback

5 Select OK.

To select different frames, select RESET. Repeat the procedure from step 3.

To quit index editing, select CANCEL.



- The 9 frames extracted automatically from the movie appear as an index display.
- The index is stored as a still image in a different record mode from the original movie.

Record mode when the movie is shot	Record mode when stored as an index
SHQ HQ	SQ1 (2048 x 1536 pixels)
SQ1 SQ2	SQ2 (1024 x 768 pixels, HIGH)

! Note

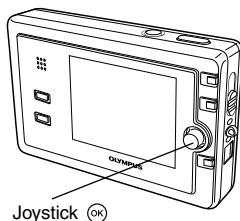
- The interval between automatically extracted frames varies depending on the length of the movie.
- INDEX is not available if there is not enough memory on the card.

EDIT — Editing a movie

This function lets you erase parts of the movie that you do not want.

- 1** In the top menu, select **MODE MENU**
→ **EDIT** → **EDIT**.

☞ “How to use the menus” (P. 17)



Joystick OK

- 2** Select the first frame of the part you want to keep.



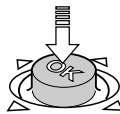
Displays the previous frame. Holding the Joystick down plays the movie back in reverse.

Jumps to the first frame of the movie.



Jumps to the last frame of the movie.

Displays the next frame. Holding the Joystick down plays back the movie.



Setting is confirmed.

- 3** Select the last frame of the part you want to keep as shown in step **2**.



5

Playback

4 Select OK.

To select different frames, select RESET. Repeat the procedure from step **2**.

To quit movie editing, select CANCEL.

5 Select NEW FILE or OVERWRITE.

Stores the edited movie as a new movie.

Stores the edited movie under the same name as the original. The original movie will be replaced by the new one.


A bar is displayed when editing is in progress. After the edited movie is saved as a new file or after it is overwritten, normal display is resumed.

Note

NEW FILE is not available if there is not enough memory on the card.

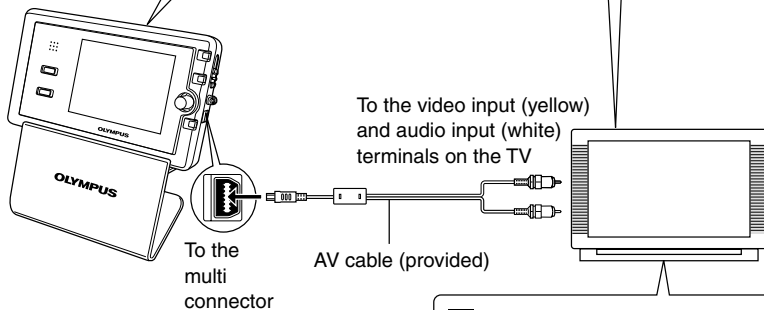
Playback on TV

Use the AV cable provided with the camera to play back recorded images on your TV. Both still images and movies can be played back.


- 2** Set the mode switch to  and turn on the camera.



- 1** Turn off the camera and the TV, then connect the multi connector on the camera to the video input terminal on the TV using the AV cable.



- 3** Turn on the TV and set it to the video input mode. For details on switching to the video input mode, refer to the TV's instruction manual.

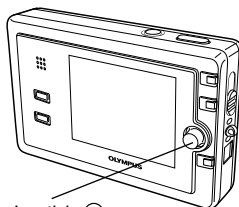
- To connect the camera to a TV, use the provided AV cable.
- Make sure that the camera's video output signal type is the same as the TV's video signal type.  "VIDEO OUT — Selecting the video signal type" (P. 99)
- The camera's monitor turns off automatically when the AV cable is connected to the camera.
- The image may appear off-center depending on the TV screen.



Protect images you do not want to erase. Protected images cannot be erased by the selected frame/all-frame erase function.

1 Play back the image you want to protect.

☞ “Single-frame playback” (P. 60)




Joystick (OK)

2 In the top menu, select .

☞ “How to use the menus” (P. 17)



The  mark is displayed. When protect is canceled, this mark disappears.

Note

Even if you protect images, they will be erased if you format the card.

☞ “FORMAT — Formatting the card” (P. 106)

Erasing images

Lets you erase recorded images. You can select either single-frame erase, which erases only the currently displayed image, or all-frame erase, which erases all the images stored on the card.

! Note

- Protected images cannot be erased. Cancel protected images, then erase them.
- Once erased, images cannot be restored. "Protecting images (preventing accidental erasure)" (P. 78)

Single-frame erase

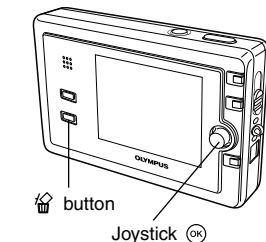
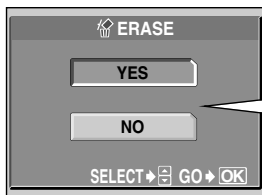


1 Play back the image you want to erase. "Single-frame playback" (P. 60)

2



3 Select YES.



The erase confirmation screen is displayed.
NO: Cancels erasing.

The image is erased and the menu disappears.

5

Playback

All-frame erase



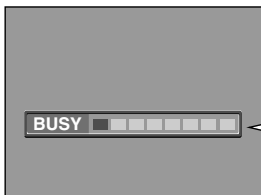
- 1** In the top menu, select MODE MENU
 → CARD → ALL ERASE.
 “How to use the menus” (P. 17)

- 2** Select YES.



Joystick OK

The erase confirmation screen is displayed.
 NO: Cancels erasing.

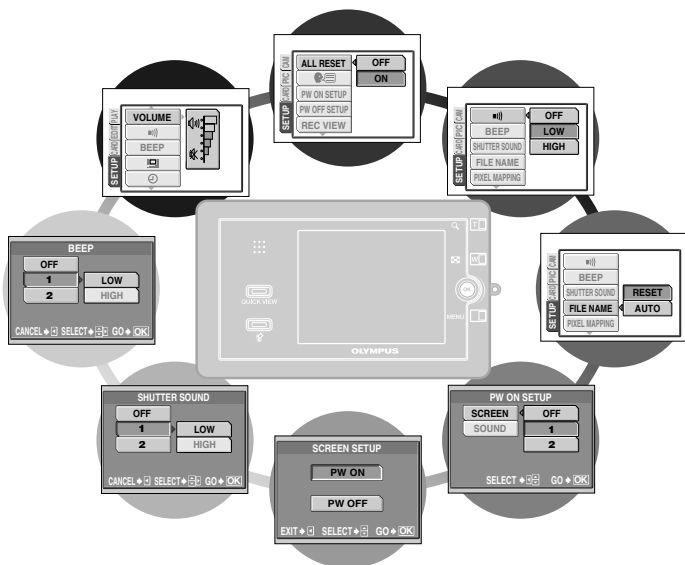


Displayed when erasing is in progress. When erasing is finished, this screen disappears.

6

Customizing the settings/functions of your camera

Thanks to digital technology you can effortlessly customize many of your camera's functions. For example, you can turn off the shutter sound when you are about to take pictures inside museum, change the slideshow transition pattern, or use one of your own images for the camera's startup screen. Best of all, the camera will remember your preferred settings when you turn it on again. This chapter introduces all those functions that accommodate your preferences. Try these functions to find ways to use your camera even more effectively.



ALL RESET — Saving the camera's settings

This function lets you save the current camera settings when the power is turned off. Available functions for ALL RESET are listed on the next page. The ALL RESET setting (ON/OFF) applies to all the modes. If ALL RESET is set in one mode, this setting applies to all the other modes, both shooting and playback.

Available modes

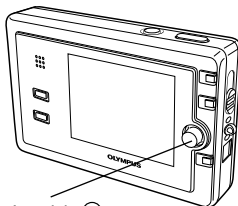
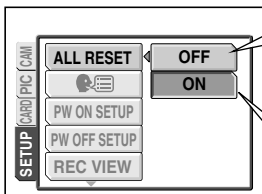
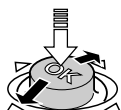


1 In the top menu, select MODE MENU

→ SETUP → ALL RESET.

☞ “How to use the menus” (P. 17)

2 Select ON or OFF.











Joystick (OK)

The settings made before the power is turned off are saved.

All settings are returned to the factory default settings after the power is turned off.

Ex: When ALL RESET is set to ON, even if you change the record mode setting to SQ1, it will return to HQ (factory default setting) next time the camera is turned on.

ALL RESET: Functions that reset to factory default settings when set to ON

Functions	Factory default settings	Ref. page
FLASH MODE	AUTO	P. 52
SCENE SELECT	P	P. 34
	OFF	P. 41
ESP/ 	ESP	P. 55
	0.0	P. 56
DRIVE		P. 23
ISO	AUTO	P. 54
DIGITAL ZOOM	OFF	P. 40
 (still pictures)	OFF	P. 49
WB	AUTO	P. 57
	HQ	P. 29
SHQ	2288x1712	P. 29
HQ	2288x1712	P. 29
SQ 1	1280x960 NORMAL	P. 29
SQ 2	640x480 NORMAL	P. 29
	OFF	P. 58
 (movies)	OFF	P. 49
INFO	OFF	P. 105

Changing the display language



You can change the language used for the on-screen display and error messages from ENGLISH to another language.

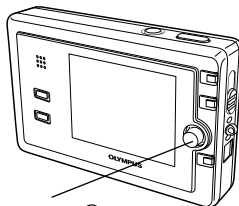
Available modes



1 In the top menu, select **MODE MENU**

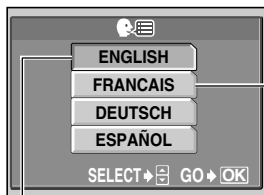
→ **SETUP** →  .

 "How to use the menus" (P. 17)

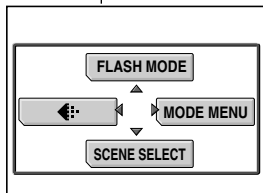


Joystick 

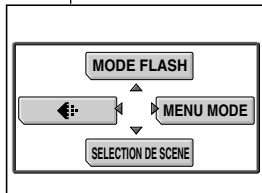
2 Select a language.



You can add more languages to your camera by downloading language firmware from our Web Site at <http://www.olympus.com>



English display



French display

You can select the display and sound for the startup/shutdown screen that appears every time the camera is turned on/off. One of your own shots can also be used for the startup/shutdown screen. “SCREEN SETUP — Setting up an image for the startup/shutdown screen” (P. 87)

PW ON SETUP : To select the display/sound for startup screen.

PW OFF SETUP : To select the display/sound for shutdown screen.

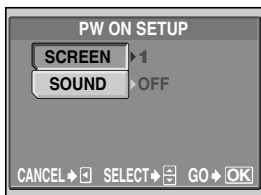
Available modes



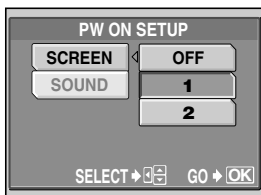
1 In the top menu, select **MODE MENU**
→ **SETUP** → **PW ON SETUP** (**PW OFF SETUP**).

“How to use the menus” (P. 17)

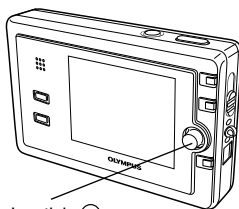
2 Select **SCREEN** or **SOUND**.



3 Set for **SCREEN**.



Select **SOUND** at the step **2** menu screen.



Joystick

6

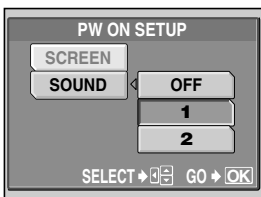
Customizing the settings/functions of your camera

- Example: PW ON SETUP is selected.
- The selected startup screen will be played back.

OFF : No image is displayed.

- 1 : The pre-installed image is displayed.
- 2 : The image you have selected is displayed. If no image has been selected, no image is displayed when the camera is turned on/off.

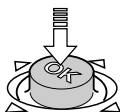
4 Set for SOUND.



The sound volume is determined by the VOLUME setting.

☞ "VOLUME — Selecting the playback volume" (P. 90)

5 Confirm your setting.



6

SCREEN SETUP — Setting up an image for the startup/shutdown screen

Allows you to use one of your own images stored on the card for the startup/shutdown screen that appears every time the camera is turned on/off. To display your new startup/shutdown screen, change the PW ON SETUP/PW OFF SETUP setting.

☞ “PW ON SETUP/PW OFF SETUP — Power on/off display/sound setting” (P. 85)

PW ON : To set up an image for startup screen.

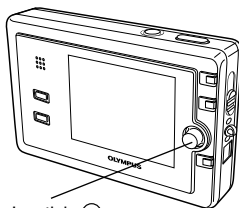
PW OFF : To set up an image for shutdown screen.

Available modes



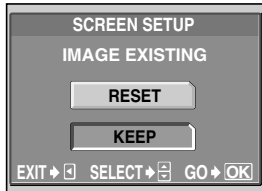
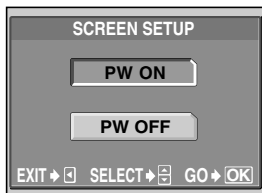
- 1** In the top menu, select **MODE MENU** → **SETUP** → **SCREEN SETUP**.

☞ “How to use the menus”(P. 17)



Joystick (OK)

- 2** Select **PW ON** or **PW OFF**.



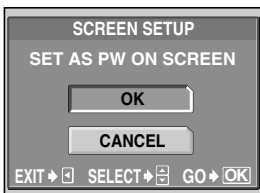
This screen appears if an image has already been set for the startup/shutdown screen. To replace the image with a new one, select **RESET**. If **KEEP** is selected, the **PW ON** (**PW OFF**) setting screen reappears.

- 3** Use the Joystick to select the image you want to use for the startup/shutdown screen.



“Single-frame playback”(P. 60)

- 4** Select OK.



Example: PW ON is selected.

The image is set and the step **2** menu screen reappears. You can set up an image for the other screen as needed.

! Note

It is not possible to set images or movies which cannot be properly played back on this camera.

REC VIEW — Checking the picture immediately after shooting

You can select whether to display the picture you have just taken on the monitor.

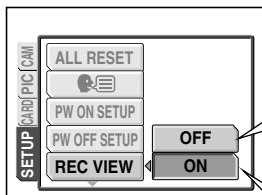
Available modes



1 In the top menu, select **MODE MENU**
→ **SETUP** → **REC VIEW**.

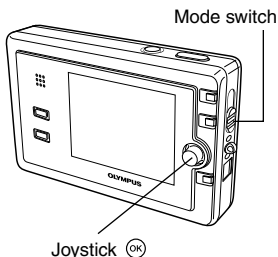
☞ “How to use the menus” (P. 17)

2 Select **ON** or **OFF**.



The picture being recorded to the card is not displayed. This is useful when you want to compose your next shot using the monitor while the previous picture is being recorded.

The picture you have just taken is displayed for about 3 seconds. This is useful for making a brief check of the picture you have just taken. You can release the shutter while the picture is being displayed.



6

Customizing the settings/functions of your camera

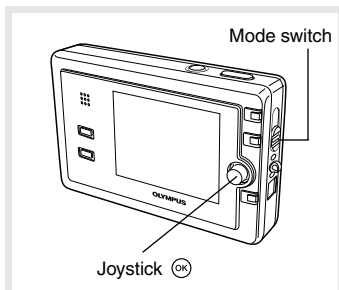
VOLUME — Selecting the playback volume

You can set the sound volume by 5 levels when playing back a movie or a still image or when turning the camera on/off.

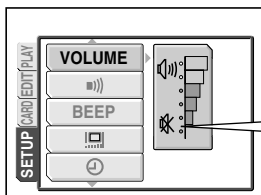
Available modes



- 1** In the top menu, select **MODE MENU**
→ **SETUP** → **VOLUME**.
 “How to use the menus” (P. 17)



- 2** Select the volume.



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Customizing the settings/functions of your camera



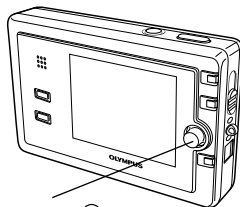
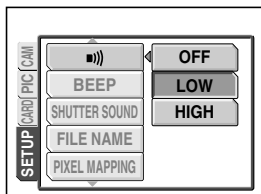
You can change the volume of the beep sound used for warnings or turn the sound off completely.

Available modes



- 1** In the top menu, select **MODE MENU** → **SETUP** → .
-  “How to use the menus” (P. 17)

- 2** Select the volume.



Joystick (OK)

The volume of the selected option is played back.

BEEP — Setting the button operation sound

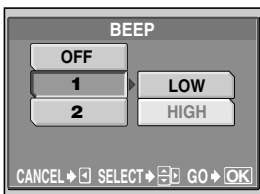
You can select the sound emitted when a button is pressed, or mute the sound completely. You can also set the button sound volume to either LOW or HIGH.

Available modes

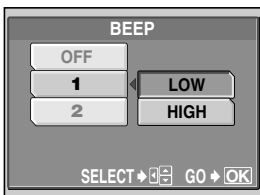


- 1** In the top menu, select **MODE MENU**
→ **SETUP** → **BEEP**.
☞ “How to use the menus” (P. 17)

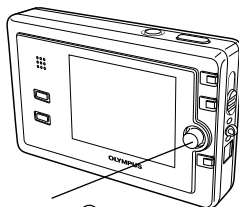
- 2** Select the operation sound.



Select the sound volume.



- 3** Confirm your setting.



Joystick (OK)

The sound of the selected option is played back.

6

Customizing the settings/functions of your camera

SHUTTER SOUND — Setting the shutter sound

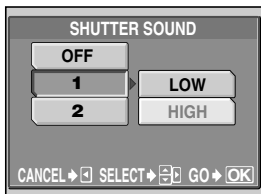
You can select the shutter sound, or mute the sound completely. You can also set the shutter sound volume to either LOW or HIGH.

Available modes

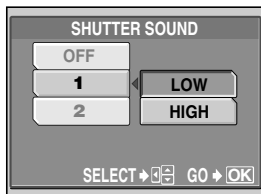


- 1** In the top menu, select **MODE MENU** → **SETUP** → **SHUTTER SOUND**.
☞ “How to use the menus” (P. 17)

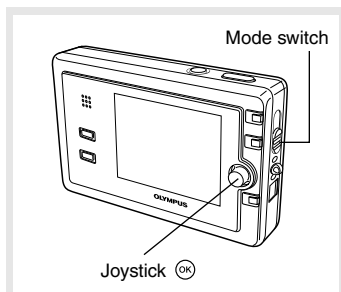
- 2** Select the shutter sound.



Select the sound volume.



- 3** Confirm your setting.



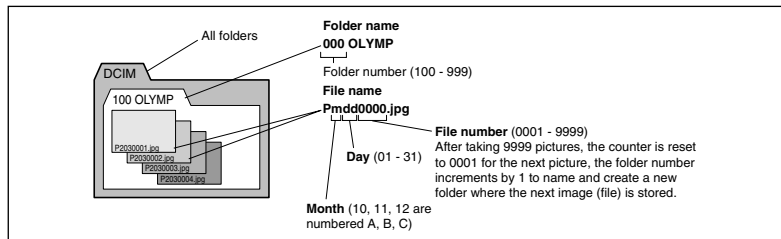
The sound of the selected option is played back.

6

Customizing the settings/functions of your camera

FILE NAME — Assigning a file name

When a picture is stored on the card, the camera assigns it a unique file name and saves it in a folder. The folder and file name can later be used for file handling on a computer. File names are assigned as shown in the illustration below.



AUTO

Even when a new card is inserted, the folder numbers are retained from the previous card. If the new card contains an image file whose file number coincides with one saved on the previous card, the new card's file numbers start at the number following the highest number on the previous card.

RESET

When a new card is inserted, folder numbers start at 100 and file numbers start at 0001. If a card containing images is inserted, the file numbers start at the number following the highest file number on the card.

6

Customizing the settings/functions of your camera

Available modes

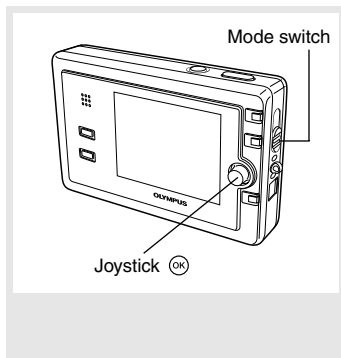
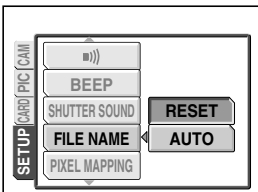


1 In the top menu, select **MODE MENU**

→ **SETUP** → **FILE NAME**.

☞ “How to use the menus” (P. 17)

2 Select **RESET** or **AUTO**.



! Note

When both the Folder and File No. reach their respective maximum number (999/9999), it is not possible to store additional pictures even if the card is not full. No more pictures can be taken. Replace the card with a new one.

PIXEL MAPPING — Checking the image processing functions

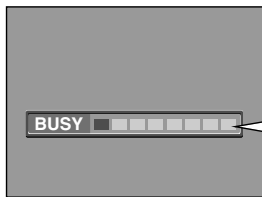
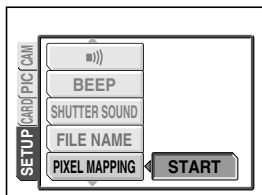
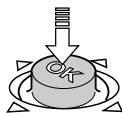
The pixel mapping feature allows the camera to check and adjust the CCD and image processing functions. It is not necessary to operate this function frequently. Approximately once a year is recommended. After taking pictures or playing them back, wait for at least one minute before using the pixel mapping function to ensure that it operates correctly.

Available modes

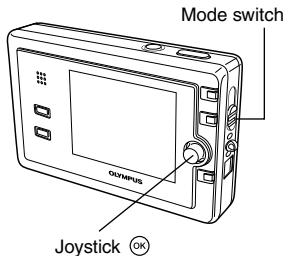


- 1** In the top menu, select **MODE MENU**
→ **SETUP** → **PIXEL MAPPING**.

☞ “How to use the menus” (P. 17)



This bar is displayed to show the progress of pixel mapping.



6

Customizing the settings/functions of your camera

! Note


If you accidentally turn the camera off during pixel mapping, be sure to operate pixel mapping again.




Lets you adjust the brightness of the monitor.

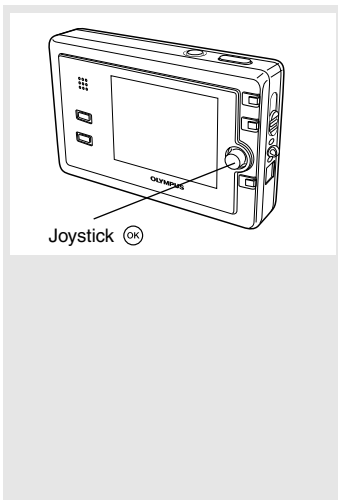
Available modes



1 In the top menu, select **MODE MENU**
→ **SETUP** → .

 "How to use the menus" (P. 17)

2 Adjust the brightness.



The date/time is saved with recorded images and file names are assigned based on the date/time settings.



Available modes



- In the top menu, select MODE MENU → SETUP → .

“How to use the menus” (P. 17)

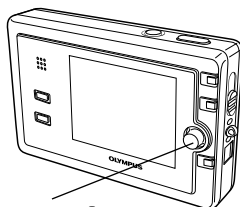
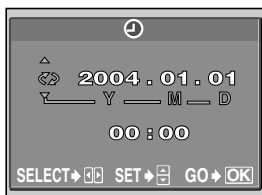
- Set the date/time.

Select the date format:

[Y-M-D (Year/Month/Day)],

[M-D-Y (Month/Day/Year)],

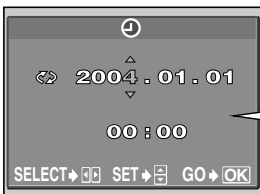
[D-M-Y (Day/Month/Year)].



Joystick (OK)

The following instructions show the procedure used when the date and time settings are set to Y-M-D.

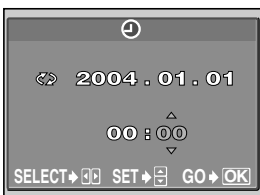
Set the date.



Moves to the year setting. The first two digits of the year are fixed.



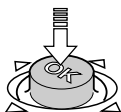
Repeat the procedure until the date and time are completely set.



The time is displayed in the 24-hour format. For example, 2 p.m. will be displayed as 14:00.

The clock starts when your setting is confirmed

3 Confirm your setting.



! Note

- The current date/time settings are retained even when the power is turned off.
- The date/time settings will be canceled and the factory default settings will be restored if the camera is left with no battery for approximately 3 days. The settings will be canceled more quickly if the battery was only loaded in the camera for a short time before being removed. After loading the battery, check that the date/time settings are correct.
- If the date/time settings have been canceled, the warning message appears on the monitor when the camera is powered on. "Error codes" (P. 150)

VIDEO OUT — Selecting the video signal type

You can select NTSC or PAL according to your TV's video signal type. Select the video signal type before connecting the AV cable. If you use the wrong video signal type, you will not be able to play back the recorded pictures properly on your TV.

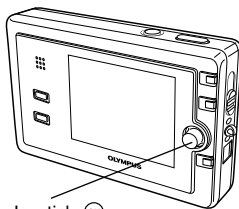
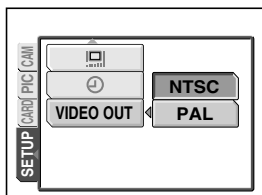
Available modes



1 In the top menu, select **MODE MENU**
→ **SETUP** → **VIDEO OUT**.

"How to use the menus" (P. 17)

2 Select the video signal type.



Joystick

TV video signal types & main regions

Check the video signal type before connecting the camera to your TV.

NTSC	North America, Japan, Taiwan, Korea
PAL	European countries, China

6

Customizing the settings/functions of your camera



You can select the number of frames displayed in an index display (☞ P. 62).

Available modes

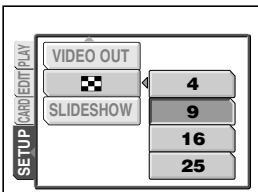
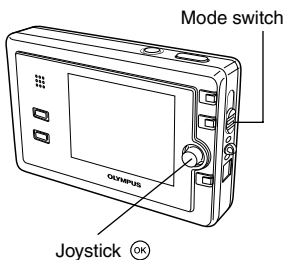


1 In the top menu, select **MODE MENU**

→ **SETUP** → ☒ .

☞ “How to use the menus” (P. 17)

2 Select the number of images.



4-frame index display



16-frame index display

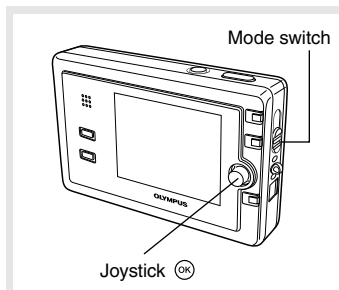
▶ SETUP — Changing the slideshow pattern

You can select the type of transition for slideshow (▶ P. 64) from 9 different patterns.

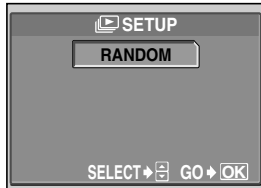
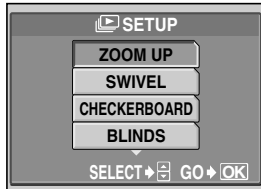
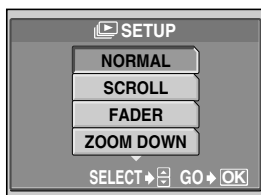
Available modes ▶



- 1** In the top menu, select **MODE MENU**
→ **SETUP** → ▶ **SETUP**.
▶ “How to use the menus” (P. 17)



- 2** Select the type.



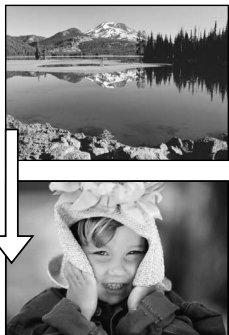
The types of slideshow are displayed.

6

Customizing the settings/functions of your camera

NORMAL

The images appear sequentially one after another.



SCROLL

The next image scrolls in from the right to the left.



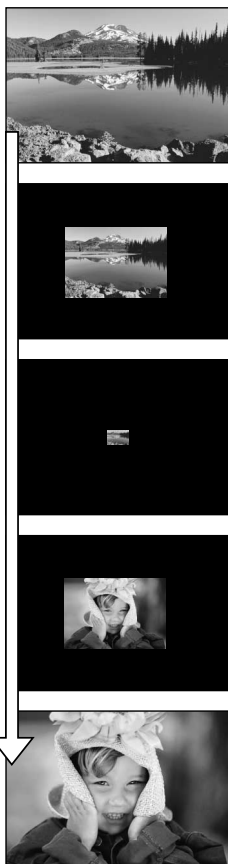
FADE

The next scene gradually fades in.



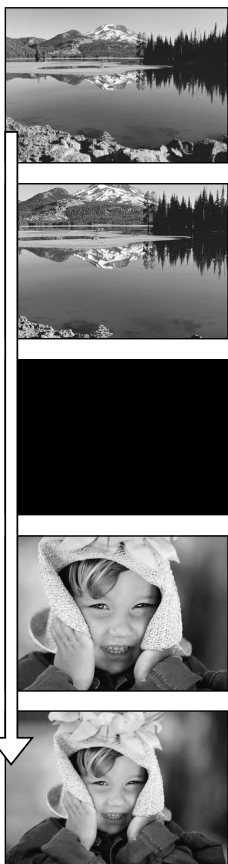
ZOOM DOWN

The current image shrinks toward the center of the screen and is replaced by the next image which enlarges from the center toward the corners.



ZOOM UP

The current image expands from the center of the screen and disappears, then the next image appears and shrinks down to regular size.



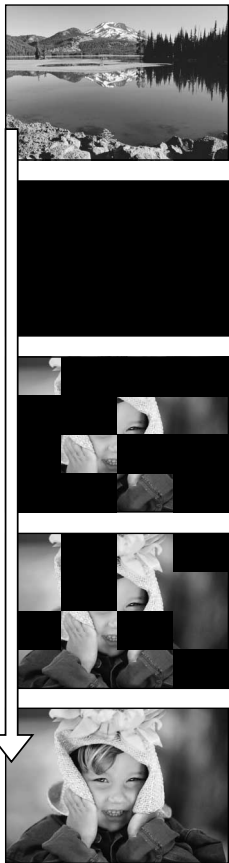
SWIVEL

The next image squeezes in from the right of the screen, pushing the current image off-screen to the left.



CHECKERBOARD

The current image disappears and the next image appears as a mosaic, gradually filling up the screen.



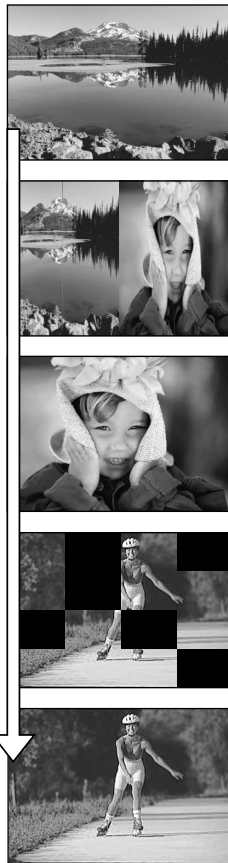
BLINDS

The next image appears in stripes like a blind over the current image, filling it up gradually.



RANDOM

The camera picks a different type of slideshow like a random at random for each transition.



INFO — Displaying shooting information on the monitor

You can display detailed shooting information on the monitor for 3 seconds in the playback mode. For details on the displayed information, refer to “Monitor indications” (P. 171).

Available modes



1 In the top menu, select INFO → ON or OFF.

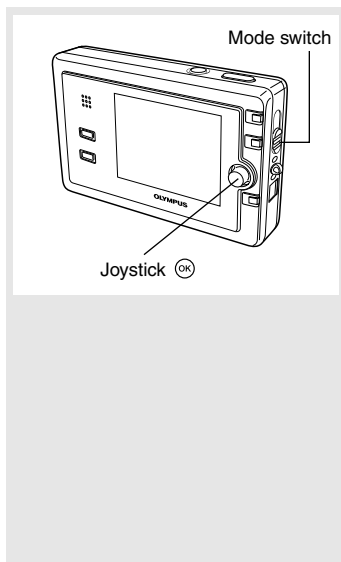
☞ “How to use the menus” (P. 17)



When set to ON



When set to OFF



! Note

If an image was shot with a different camera, only the date/time, file number and battery check information is displayed even when INFO is set to ON.

6

Customizing the settings/functions of your camera

Lets you format a card. Formatting prepares cards to receive data.

Non-Olympus cards or cards formatted on a computer must be formatted with the camera before they can be used.

All data stored on the card, including protected images, is erased when the card is formatted. When formatting a used card, confirm there are no images that you still want to keep on the card.

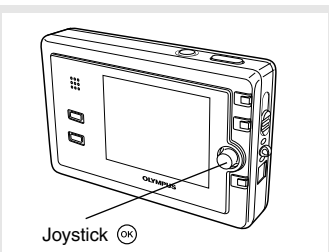
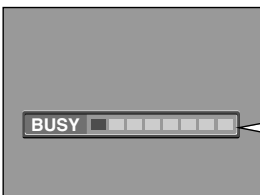
Available modes



1 In the top menu, select **MODE MENU**
→ **CARD** → **FORMAT**.

☞ “How to use the menus” (P. 17)

2 Select **YES**.



Displayed when formatting is in progress.

Note

Do not perform any of the following actions during formatting as they may render the card unusable:

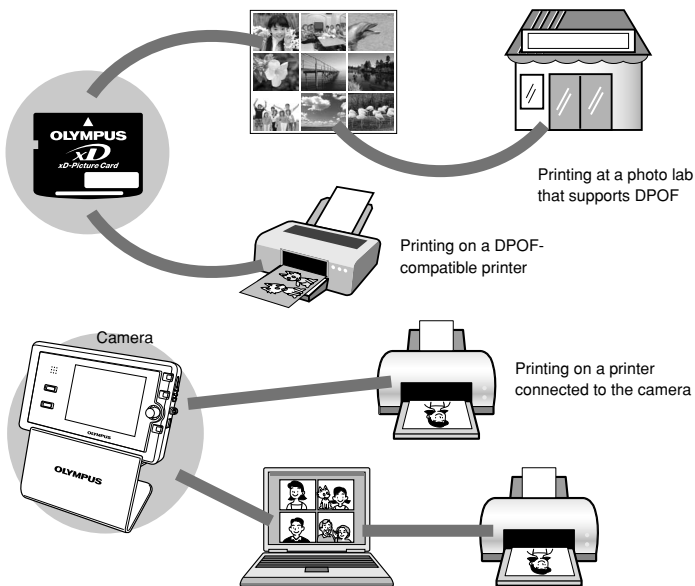
- Open the battery/card compartment cover.
- Remove the battery.
- Disconnect or connect the AC adapter. Never do this regardless of whether or not the battery is loaded in the camera.

7

Printing

Turning the images you shot into prints is the next step in digital imaging. You can print your images at photo labs or on your own printer. If you print at photo labs, you'll find the print reservation function helpful. Print reservation allows you to save the number of prints and the date and time information on the card.

If you print on a printer, there are a number of different ways to do it. One method is to connect your digital camera to an exclusive printer and print out recorded pictures directly from the camera. The other is to transfer images to a computer and print them on a printer connected to the computer.





Print reservation allows you to save printing data (the number of prints and the date/time information) with the pictures stored on the card.

With print reservation, you can print out pictures easily either at home using a personal DPOF-compatible printer or at a photo lab that supports DPOF.

DPOF is a standard format used to record automatic print information from digital cameras. You can print out pictures automatically, at home or in a photo lab, by storing such data as which pictures you wish to print and the number of prints on a card.

Pictures set with print reservation can be printed using the following procedures.

Printing using a DPOF-compatible photo lab

You can print the pictures using the print reservation data.


Printing using a DPOF-compatible printer

Printing is possible directly from a card containing print reservation data without using a PC. For more details, refer to the printer's instruction manual.

A PC card adapter may also be necessary.

Picture size and printing

The resolution of a computer/printer is generally based on the number of dots (pixels) per square inch. This is called dpi (dots per inch). The higher the dpi value, the better the printed results. Keep in mind, however, that the dpi of the picture does not change. This means that when you print an image with a higher resolution, the size of the printed picture will be smaller. Although you can print magnified images, picture quality will decrease.



If you want to print large, high-quality pictures, set the record mode as high as possible when taking the pictures.  "Selecting the record mode" (P. 29)



Note


- DPOF reservations set by another device cannot be changed by this camera. Make changes using the original device.
- If a card contains DPOF reservations set by another device, entering reservations using this camera will erase the previous reservations.
- If there is not enough space in the card memory, CARD FULL will be displayed and you may not be able to enter the reservation data.
- You can make DPOF print reservations for up to 999 images per card.
- Not all functions may be available on all printers or at all photo labs.
- Print reservation may take considerable time when saving printing data to a card.

Selecting the print reservation mode





Two print reservation modes are available: single-frame reservation  and all-frame reservation .

 : Applies print reservation to selected pictures.  P. 111

 : Applies print reservation to all the pictures stored in the card or album.

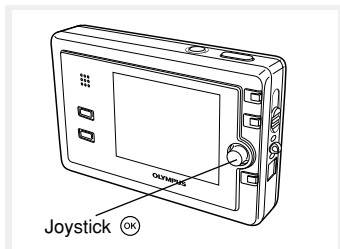
 P.117


- 1** Play back a still picture.
 "Single-frame playback" (P. 60)

- 2** In the top menu, select MODE MENU
→ PLAY → .
 "How to use the menus" (P. 17)

If print reservation has been applied to any images on the card, the following screen is displayed after completing step 2.

Keep or reset the print reservation.



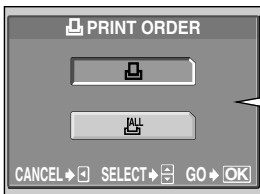
Print reservation cannot be applied to pictures with  (movie) mark.


7
Printing



RESET : Resets the print reservation.
KEEP : Keeps the print reservation.

- 3** Select the print reservation mode.



  P.111
  P.117

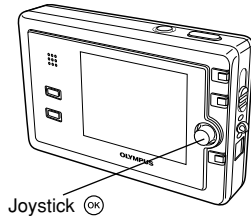
Single-frame reservation




Lets you apply print reservation to selected pictures. You can change print reservation data you've already made, such as the number of prints or date and time setting. Display the picture to be printed and select the desired number of prints.


1 Select . P. 110

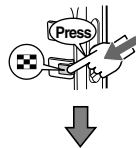
2 Select the picture you want to apply print reservation to.



Joystick (OK)

- Display the picture to select.
-  is displayed on the picture that has been applied print reservation.

You can select the picture using index display.  "Index display" (P. 62)



7

Printing

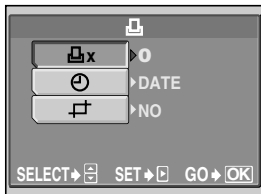
- 3** Set the print reservation items as desired.
- SINGLE PRINT:** Sets the number of prints to 1. ☹ and ✂ are not available.
 - MORE** : Sets ☹ (number of prints), ☹ (date and time) and ✂ (trimming).
 - CANCEL** : Cancels the print reservation of the currently displayed image.
 - END** : Completes the print reservation.

Select another picture to which you want to apply print reservation.

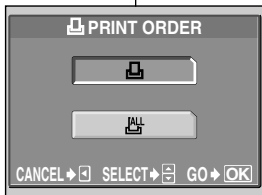
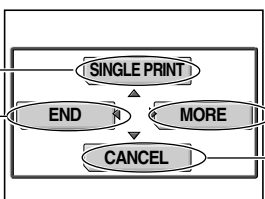
☞ Step 2 (P. 111)

☞ Step 4 (P. 113)

The screen returns to the picture selection screen.



7 Printing

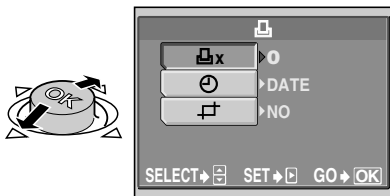


☞ "Resetting the print reservation data for a selected picture" (P. 119)

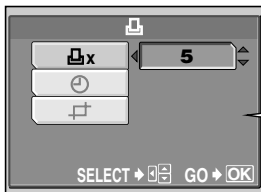
☞ Step 7 (P. 114)

When you have selected MORE

4 Select the MORE items to set.



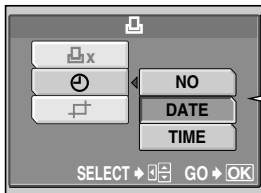
Set the options for each item.



When you have selected \times

P. 115

Displayed when \times is selected.



When you have selected \odot

NO : The pictures are printed without the date and time.

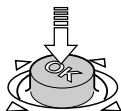
DATE : All the selected pictures are printed with the shooting date.

TIME : All the selected pictures are printed with the shooting time.

5 Confirm each setting.



6 Confirm the MORE setting.

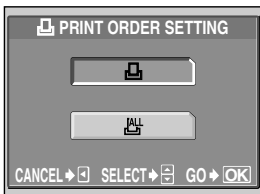


When you have selected END

7 Exit the print reservation mode.



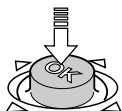
Push twice.



- The screen returns to the step 2 picture selection screen.
- To apply print reservation to other pictures, repeat steps 2 through 6.
- To end MORE and exit the print reservation mode, select END in step 3.

MODE MENU is restored.

8

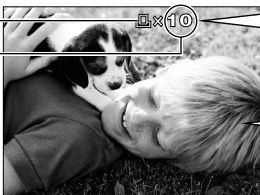


Press the Joystick repeatedly to exit the menu.

7

Printing

Print reservation
Number of prints




This is not displayed if the number of the prints is set to 1.

Picture with print reservation

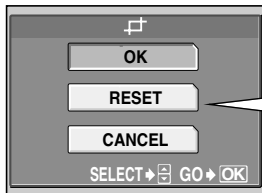
Trimming

Lets you crop part of a recorded picture and print out the enlarged section only.

- 1** Select  in step **4** on page 113 beforehand.

If trimming has already been set, the following screen is displayed.

Select **RESET**.



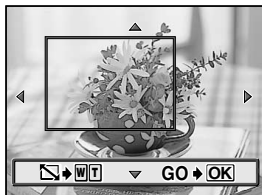
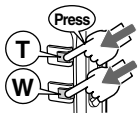
- OK** : Keeps the current setting.
- RESET** : Makes a new setting.
- CANCEL** : Cancels the current setting. No trimming setting is made.

- 2** Set trimming.

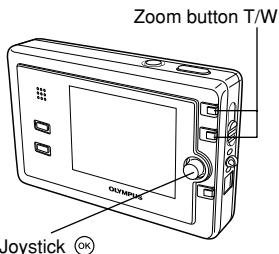
Set the trimming position.



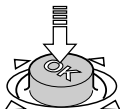
Set the trimming size.



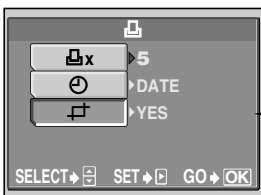
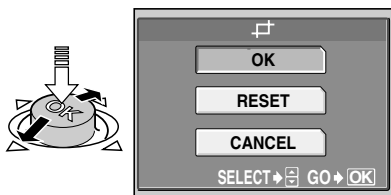
The trimming frame changes from horizontal to vertical and vice versa when the maximum or minimum size is reached.



3 Confirm the setting.



4 Select OK.



The step **6** screen is restored.
☞ P. 114

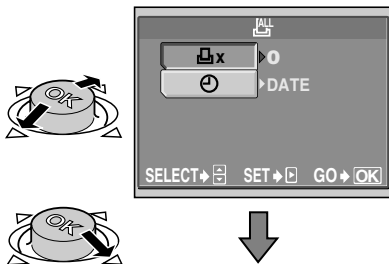
All-frame reservation



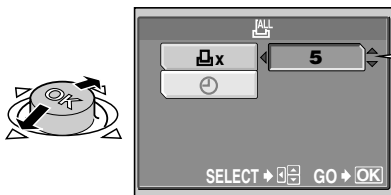
Lets you apply print reservation to all the pictures stored in the card or album. You can add the shooting date or time for each picture. One print is made for each frame.

1 Select . P. 110

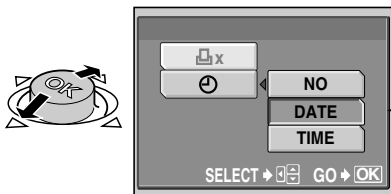
2 Select the items to set.



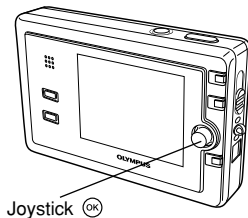
Set the options for each item.



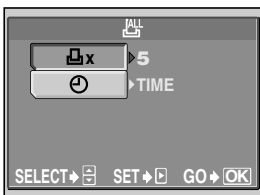
Displayed when x is selected.



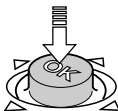
When you have selected NO : The pictures are printed without the date and time.
 DATE : All the selected pictures are printed with the shooting date.
 TIME : All the selected pictures are printed with the shooting time.



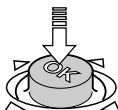
3 Confirm each setting.



4 Confirm the  setting.



5 Exit the menu.



MODE MENU is restored.

Print reservation





Picture with print reservation

Resetting print reservation

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

- 1 Play back a still picture.
 "Single-frame playback" (P. 60)

- 2 In the top menu, select MODE MENU
 → PLAY → .
 "How to use the menus" (P. 17)

Resetting the print reservation data for all pictures

- 3 Select RESET.



All print reservations are reset.

If print reservation has not been applied to any pictures, this screen is not displayed.

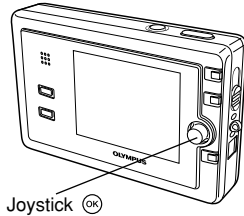
Resetting the print reservation data for a selected picture

- 3 Select KEEP.



The print reservation mode selection screen is displayed.

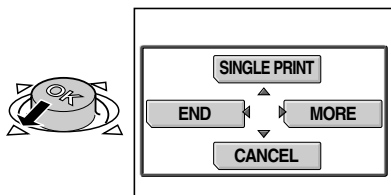
- 4 Select .



5 Select the picture with print reservation data you want to reset.



6 Select CANCEL.



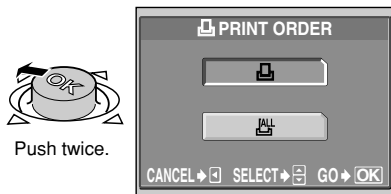
- The screen returns to step **5**.
- To reset print reservation for other images, repeat steps **5** and **6**.

7 Printing

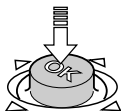
7 To finish resetting the print reservation, select END on the step **6** screen.



8 Exit the print reservation mode.




9 Press the Joystick repeatedly to exit the menu.



MODE MENU is restored.

Direct printing (PictBridge)



By connecting the camera to a PictBridge-compatible printer with the USB cable, you can print out recorded pictures directly. With the camera connected to the printer, select the pictures you want to print and the number of prints on the camera's monitor. It is also possible to print out pictures using the print reservation data.  P. 126

To find out if your printer is compatible with PictBridge, refer to the printer's instruction manual.

PictBridge

It is the standard that enables digital cameras and printers made by different manufacturers to be connected, and also allows pictures to be printed directly from the camera.

STANDARD

All printers that support PictBridge have standard print settings. By selecting  STANDARD on the settings screens ( P. 124 to 128), you can print pictures according to these settings. For details on your printer's standard settings, refer to the printer's instruction manual or contact the printer manufacturer.

Printer's accessories

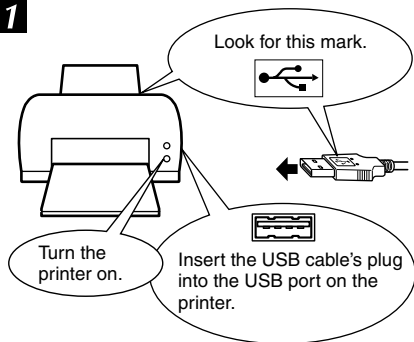
For details on printing paper types, ink cassettes, etc., refer to the printer's instruction manual.

Note

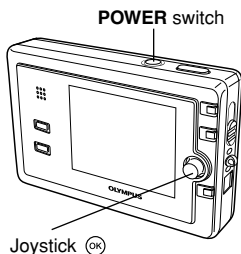
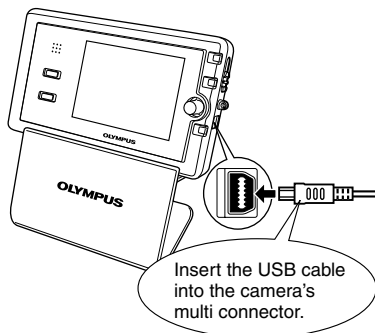
- You are recommended to use the provided AC adapter when printing pictures.
If you use the battery, make sure that it is fully charged. If the camera stops operating while communicating with the printer, the printer may malfunction or image data may be lost.
- Movies cannot be printed.

Connecting the camera to a printer

1

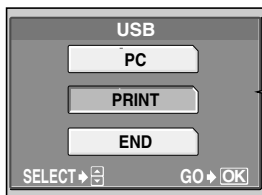


2



For details on how to turn the printer on and the position of the USB port, refer to the printer's instruction manual.

The selection screen for the USB connection is displayed.

3 Select PRINT.

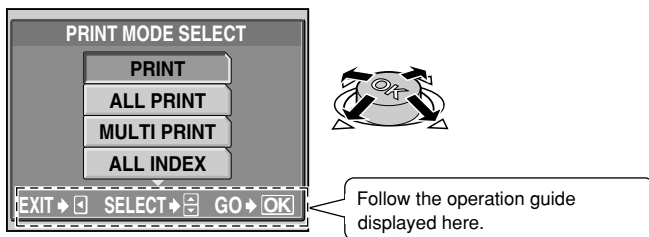
- If PC is selected, the PRINT MODE SELECT screen is not displayed. Remove the USB cable and repeat the procedure from step **1** again.
- If END is selected, the camera is not recognized by the printer. In the or mode, the camera turns off and in the mode the camera resumes normal playback.
- If the selection screen disappears, press the **POWER** switch to turn the camera on again. Alternatively, you can remove the USB cable from the camera, then repeat the procedure from step **2**.

4 Go to “Flowchart for printing”
(P. 124).

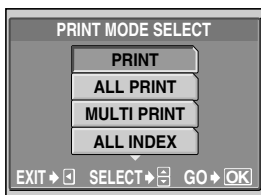
Flowchart for printing

When you have connected the camera to a printer successfully, you can apply print reservation to selected pictures or you can print a currently displayed picture. Follow the operation guide on the camera's monitor.

Push the Joystick in the directions of $\triangle \nabla \triangleleft \triangleright$ to select the item you want.



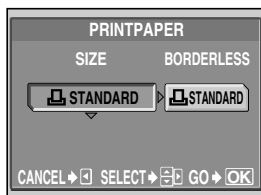
Select the print mode.



You can print selected pictures one by one or you can print multiple pictures on a single sheet of paper.

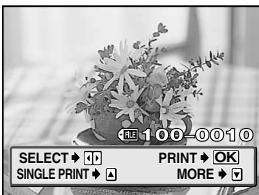
P. 126

Select the print paper setting.



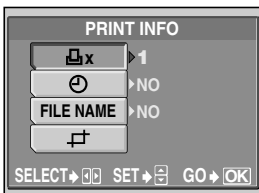
You can select the print paper setting according to your printer and you can select whether to print pictures with a blank frame or not.

Select frames you want to print.



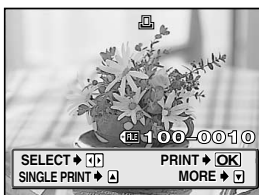
Display the picture you want to print. You can print the currently displayed picture at once or you can just apply print reservation to it.

Set the printing data.



Set the number of prints, and select whether to print the date and time information or file name on the pictures. You can also trim the picture and save it for printing.

Print pictures.



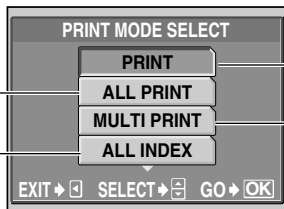
Print the pictures with print reservation.

Selecting the print mode

Select the type of printing (print mode). You can print pictures one by one or multiple pictures on a single sheet of paper.

Prints all the pictures stored in the card and makes one print for each picture.

PRINT MODE SELECT screen



Prints selected pictures.

Prints an index of all the pictures stored in the card.

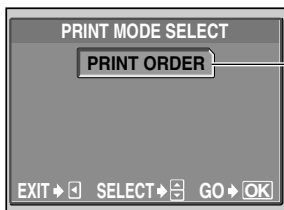
Makes split print with a picture inset in each split-plane.




Example of ALL INDEX



Example of MULTI PRINT




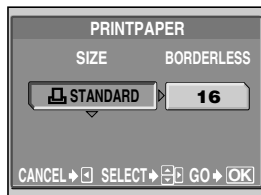
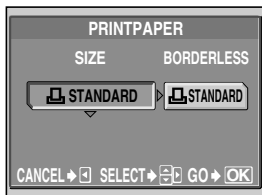
Prints according to the print reservation you made. If there is no picture with print reservation, this is not available.  P. 108

Print modes and settings

The available print modes and settings such as paper size vary depending on the type of printer. For details, refer to the printer's instructions.

Setting the print paper items

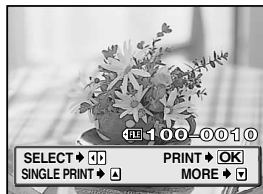
This setting varies depending on the type of printer. If only the printer's  STANDARD setting is available, you cannot change the setting.



- SIZE** : Sets the paper size that the printer supports.
BORDERLESS : Selects whether the picture is printed on the entire page or inside a blank frame.
PICS/SHEET : Displayed when you have selected MULTI PRINT.


Selecting pictures you want to print

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



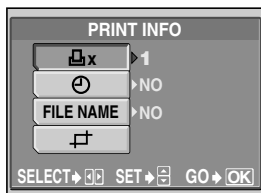
PRINT: Prints the currently displayed picture. If there is a picture that SINGLE PRINT reservation has been already applied to, only the picture with SINGLE PRINT reservation will be printed.




SINGLE PRINT: Applies print reservation to the currently displayed picture. If this is done, push the Joystick in the directions of \leftarrow \rightarrow to select other pictures to which you want to apply reservation.

MORE: Sets whether you print the number of prints and other data of the currently displayed picture.  "Setting printing data" (See below)

Setting printing data

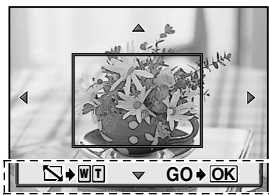
Select whether to print printing data such as the date and time or file name on the picture when printing.



-  **x** : Sets the number of prints.
 : Prints the date and time recorded on the picture.
FILE NAME : Prints the file name recorded on the picture.
NAME
 : Crops part of the picture and enlarges the uncropped section for printing.

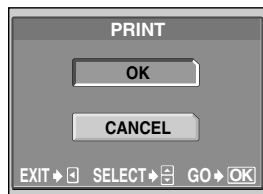
Trimming

You can crop part of a picture and print the uncropped section as a full picture. If the trimmed picture is small, enlarging it may result in graininess when printing it.



Use the zoom button **T/W** to set the trimming size and use the Joystick to move the frame to the trimming position.

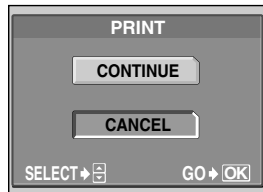
Printing



Print when you have set the pictures for printing and printing data.

OK : Transfers images you print to the printer.

CANCEL : Resets the settings. All print reservation data will be lost. If you want to keep the print reservation data and make other settings, push the Joystick left. This returns you to the previous setting.









To stop and cancel printing, press the Joystick.

CONTINUE : Continues printing.

CANCEL : Cancels printing. All print reservation data will be lost.

If an error code is displayed

- If an error code is displayed during direct printing setting or printing, see the following table.
- For more details on solutions, refer to the printer's instruction manual.
- If other codes are displayed, refer to "Error codes" (P. 150).

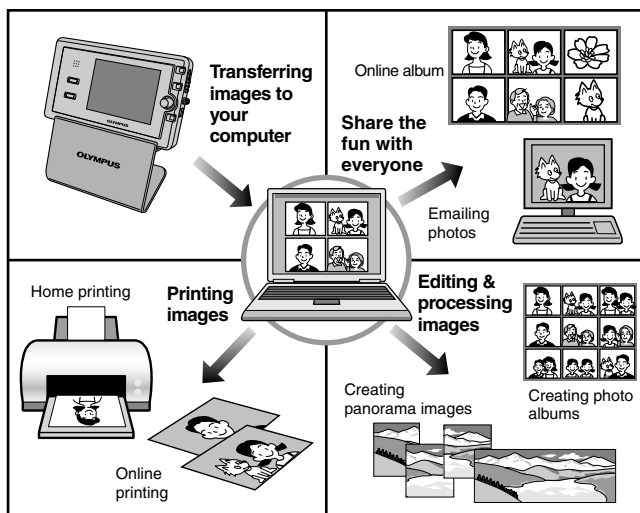
Monitor indication	Possible cause	Corrective action
 NO CONNECTION	The camera is not connected to the printer correctly.	Disconnect the camera and connect it again correctly.
 NO PAPER	There is no paper in the printer.	Load some paper in the printer.
 NO INK	The printer has run out of ink.	Replace the ink cartridge in the printer.
 JAMMED	The paper is jammed.	Remove the jammed paper.
SETTINGS CHANGED	The printer's paper cassette has been removed or the printer has been manipulated while making settings on the camera.	Do not manipulate the printer while making settings on the camera.
 PRINT ERROR	There is a problem with the printer and/or camera.	Turn off camera and printer. Check the printer and remedy any problems before turning the power on again.
 CANNOT PRINT	Pictures recorded on other cameras may not be printed on this camera.	Use a personal computer to print.

8

Transferring images to a computer

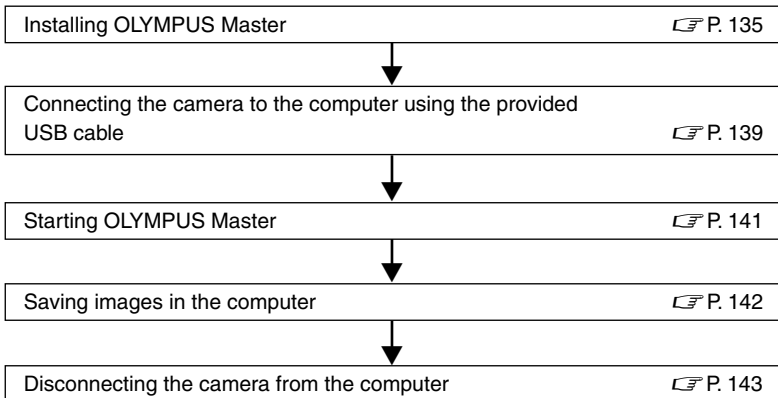
Transferring images to your computer is a great way to make the most of the potential of digital imaging. Not only can you print the images of your choice, you can also use image processing software to organize, edit, and manipulate images. There are so many things you can do. Sort images by date/time or other criteria. Trim, crop, colorize, or add special effects. And much more.

Once you've transferred images to your computer, you can email them to friends, post them on your website, create slideshows or HTML albums, you can even use them as wallpaper for your desktop.



Flowchart

Just connect the camera to a computer with the USB cable and you can easily transfer images stored on the card to the computer with the provided OLYMPUS Master software.



! Note

- When connecting the camera to the computer, use the provided AC adapter whenever possible. When connected (transmitting) to the computer, the camera may stop operating if battery power runs low. This could cause the computer to malfunction, and any image data (file) being transmitted may be lost.
- To avoid computer malfunctions, do not turn off the camera when the camera is connected to a computer.
- If the camera is connected to the computer via a USB hub, operation may not be stable if there are any compatibility problems between the computer and the hub. In such cases, do not use the hub and connect the camera directly to the computer instead.

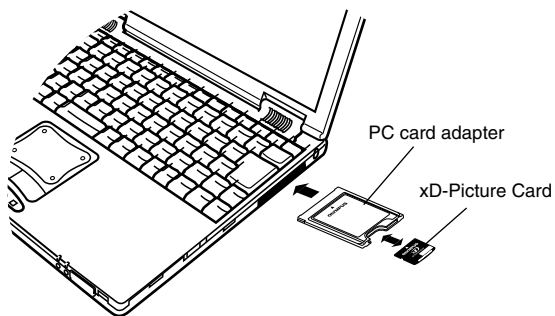
Viewing or processing images downloaded to the computer

If you want to process images using graphics applications, be sure to download them to your computer first. Depending on the software, image files may be destroyed if the images are processed (rotated, etc.) while they are on the card.

When your computer cannot read the camera's image data with the USB connection

Transferring images to the computer is possible with the use of the optional PC card adapter or other media adapters for the xD-Picture Card.

For details, see the Olympus web site.



Using the provided OLYMPUS Master software

Install the OLYMPUS Master software from the provided CD-ROM to edit and manage images on your computer.

What is OLYMPUS Master?

OLYMPUS Master is an image management program with viewing and editing features for pictures taken with your digital camera. Once installed on your computer, you can take advantage of the following.

Viewing images and movies

You can also enjoy slideshows and sound playback.

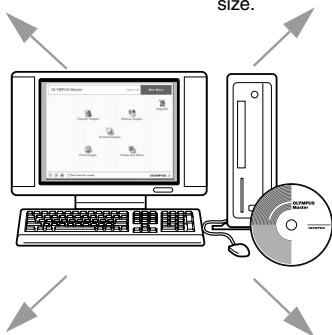
Grouping and organizing images

You can organize images by displaying them in a calendar format. Using shooting date or key words, you can quickly find the particular images you want.

Transferring images from the camera or removable media to your computer

Editing images

You can rotate, trim or change the image size.



Correcting images using filter and correction functions

A variety of printing formats

You can print in a variety of formats including index prints, calendars, postcards, and more.

Creating panorama images

You can make a panorama from the photos you have taken using the panorama function.

For information about OLYMPUS Master's other features, as well as for details on how to use the software, refer to OLYMPUS Master Help or the OLYMPUS Master software user's guide.

Installing OLYMPUS Master

Identify the OS on your computer before installing the software.

For the latest information on compatible operating systems, visit the OLYMPUS web site (<http://www.olympus.com>).

System requirements

Windows

OS	Windows 98SE/Me/2000 Professional/XP
CPU	Pentium III 500 MHz or higher
RAM	128 MB or more (256 MB or more recommended)
HD space	300 MB or more
Interface	USB port
Monitor	1024 x 768 pixel or more, minimum 65,536 colors

! Note

- Only pre-installed operating systems are supported.
- To install OLYMPUS Master on a computer running Windows 2000 Professional or Windows XP, login as a user with administrator privileges.
- QuickTime 6 and Internet Explorer 6 or later must be installed on the computer beforehand.
- For Windows XP, Windows XP Professional/Home Edition is supported.
- For Windows 2000, only Windows 2000 Professional is supported.
- For Windows 98SE, a USB driver will be automatically installed.

Macintosh

OS	Mac OS X 10.2 or later
CPU	Power PC G3 500 MHz or higher
RAM	128 MB or more (256 MB or more recommended)
HD space	300 MB or more
Interface	USB port
Monitor	1024 x 768 pixel or more, minimum 32,000 colors

! Note

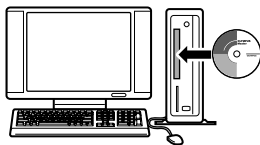
- If your Macintosh has no built-in USB port, its functionality may not be guaranteed when the camera is connected to the computer via USB.
- Quick Time 6 or later and Safari 1.0 or later must be installed on your computer.
- Be sure to remove the card (drag and drop it onto the Trash icon) first before performing the following procedures. If you skip these procedures, the computer may not function properly, requiring you to restart it.
 - Unplug the cable connected between the camera and computer.
 - Turn off the camera.
 - Open the camera's card compartment cover.

How to install

Windows

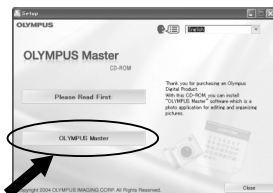
1 Boot your computer and insert the OLYMPUS Master CD into your CD-ROM drive.

- The OLYMPUS Master Setup Menu will automatically launch.
- If the menu window does not appear, double-click the [My Computer] icon, and click the CD-ROM icon.



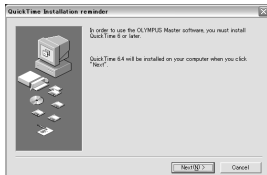
2 Click the [OLYMPUS Master] button.

- The QuickTime Setup program will automatically run.
- QuickTime is required to run OLYMPUS Master. If QuickTime 6 or later is preinstalled on your computer, the setup program will not run. In this case, go to step 4.



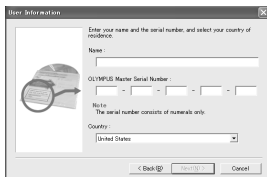
3 Click the [Next] button, then follow the on-screen prompts to continue installing the program.

- When the software license agreement window appears, read the license agreement text, then click [Agree].
- The OLYMPUS Master installation window appears.

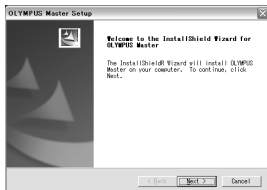


4 Follow the on-screen prompts to continue installing the program.

- When the software license agreement window appears, read the license agreement text, then click [Yes].
- When a dialog box prompting you for User Information appears, enter your name and the OLYMPUS Master serial number that is printed on the label on the CD-ROM package. Select your country, then click [Next].



Installation starts. When the DirectX license agreement window appears, read the message, then click [Yes] to continue installation.



- A confirmation window appears, asking you if you want to install Adobe Reader. To view the OLYMPUS Master software user's guide, Adobe Reader must be installed. If Acrobat Reader is preinstalled on your computer, the confirmation window will not appear.

5 If you want to install Adobe Reader, click [OK].

- If you do not want to install the program, click [Cancel]. Go to step 7.
- The Adobe Reader installation window appears.

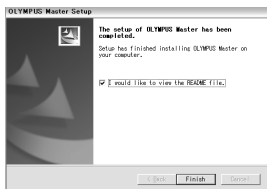


6 Follow the on-screen prompts to continue installing the program.

- A window appears to inform you when installation is complete.

7 Click [Finish].

- The screen returns to the Olympus Software Setup Menu.



8 When a window appears asking you to restart your computer, click the check box for [I want to restart the computer now]. Remove the CD, then click [Finish].

Macintosh

1 Insert the OLYMPUS Master software CD into your CD-ROM drive.

- The CD-ROM window automatically appears.
- If the screen does not appear, double-click the CD-ROM icon on your desktop.



2 Double-click the [Installer] icon.

- Follow the on-screen prompts to continue installing the program. OLYMPUS Master Installer will automatically launch.
- When the software license agreement window appears, read the license agreement text, then click [Continue] and [Agree].
- A window appears to inform you when installation is complete.



3 Click the [Quit] button.

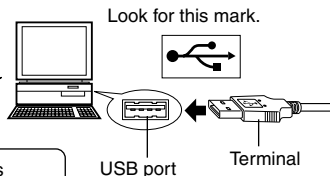
4 Remove the CD, then click [Restart].

Connecting the camera to the computer

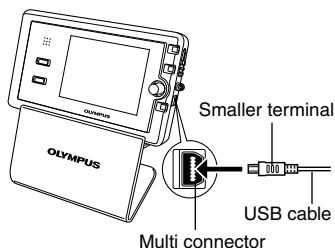
Connect the camera to your computer with the provided USB cable.

- 1** Insert the marked end of the provided USB cable into the USB port on your computer.

The location of the USB port varies depending on the computer. For details, refer to your computer's manual.



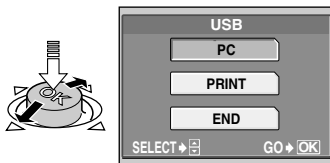
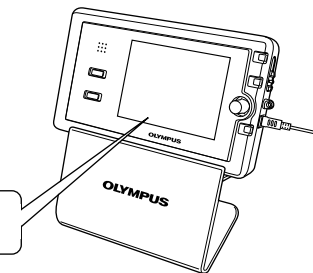
- 2** Insert the provided USB cable into the multi connector.



- 3** Select [PC].


- If the selection screen disappears, press the **POWER** switch to turn the camera on again. Alternatively, you can unplug the USB cable from the camera, then repeat the procedure from step **2**.

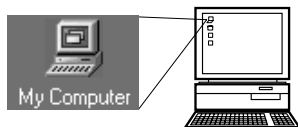
The selection screen for the USB connection is displayed.



4 The computer recognizes the camera as a new device.

- **Windows 98SE/Me/2000**

When you connect the camera to the computer for the first time, the computer automatically recognizes the camera. Click [OK] when the message saying that the installation is completed appears. The computer recognizes the camera as a [Removable Disk ].



Removable
Disk (F:)

- **Windows XP**

You can download image files from the camera easily. To transfer images with OLYMPUS Master, click [Cancel].

- **Mac OS X**

iPhoto is the default image management application for Mac OS. When you connect your Olympus digital camera for the first time, iPhoto will start up automatically. Close iPhoto and start OLYMPUS Master.

Note

When the camera is connected to the computer, none of the camera buttons are functional.

Starting OLYMPUS Master

Windows

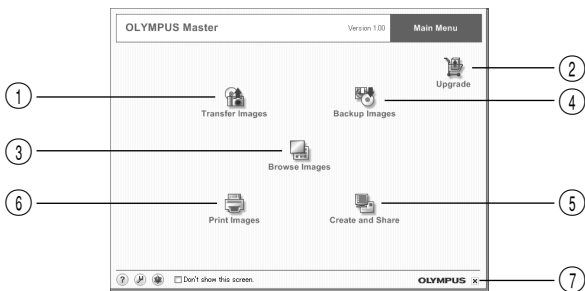
1 Double-click (OLYMPUS Master) on the desktop.

- The OLYMPUS Master main menu appears.

Macintosh

1 Double-click (OLYMPUS Master) in the [OLYMPUS Master] folder.

- The OLYMPUS Master main menu appears.
- The first time you start the program, a dialog box appears, prompting you for User Information. Enter your name and the OLYMPUS Master serial number that is printed on the affixed label, then select your country.



① [Transfer Images] button

Transfers images from the camera or removable media.

② [Upgrade] button

Displays the dialog box that allows upgrade to OLYMPUS Master PLUS.

③ [Browse Images] button

Displays the Browse window.

④ [Backup Images] button

Backs up images onto removable media.

⑤ [Create and Share] button

Displays menus to enjoy images.

⑥ [Print Images] button

Displays the print menu.

⑦ Close button

Closes the OLYMPUS Master program.

Closing OLYMPUS Master


1 Click (Close) in the main menu.


- The OLYMPUS Master program is closed.

Displaying the camera's images on your computer

Downloading images to save on your computer

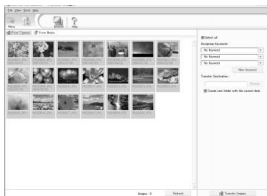
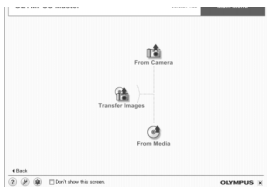
Save images downloaded from the camera on your computer.

- 1** Click  (**Transfer Images**) in the **OLYMPUS Master** main menu.
 - The selection menu for the folders containing the files to be copied appears.

- 2** Click  (**From Camera**).
 - The window containing the files to be copied appears. The thumbnails of all the images in the camera appear.

- 3** Select the image file you want to save on the computer, then click the [**Transfer Images**] button.
 - A confirmation message appears.

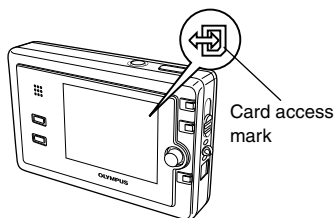
- 4** Click the [**Browse images now.**] button.
 - The images downloaded to the Browse window appear.
 - Clicking [Menu] in the Browse window returns to the main menu.
 - Never open the camera's battery/card compartment cover or disconnect or connect the AC adapter while the card access mark is blinking. Doing so may destroy the image files.



Disconnecting the camera from your computer

After downloading images from the camera to your computer, you can disconnect the camera from your computer.

- 1** Make sure that the card access mark on the camera's monitor goes out.




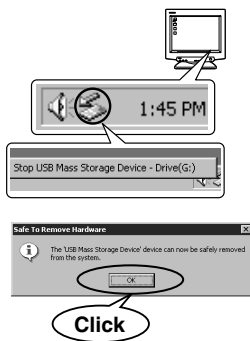
- 2** Windows 98SE:

- 1 Double-click the [My Computer] icon and right-click the [Removable Disk] to display the menu.
- 2 Click [Eject] on the menu.



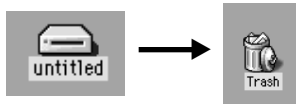
Windows Me/2000/XP:

- 1 In the System Tray, click the Remove Hardware icon .
- 2 Click on the pop-up message.
- 3 Click [OK] on the [Safe to Remove Hardware] window.



Macintosh:

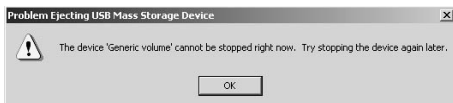
- 1 Drag and drop the [untitled] (or [NO_NAME]) icon on the desktop to [Trash].




- 3 Unplug the USB cable from the camera.

Note

Windows Me/2000/XP: When you click [Unplug or Eject Hardware], the window may return the following message. In such case, make sure that no image data is being downloaded from the camera, and that there are no applications open that were accessing the camera image files. Close any such applications and click [Unplug or Eject Hardware] again and then remove the cable.

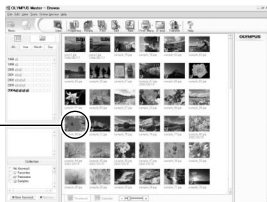


Viewing still images and movies

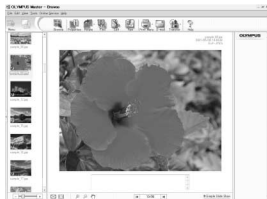
- 1 Click  (Browse Images) in the OLYMPUS main menu.
 - The Browse window appears.

- 2 Double-click the thumbnail of the image you want to view.

Thumbnail



- The screen switches to the View mode, enlarging the image.
- Clicking the [Menu] in the Browse window returns to the main menu.



How to view movies

- 1 Double-click the thumbnail of the movie you want to view in the Browse window.

- The screen switches to the View mode, and the first frame of the movie is played back.

- 2 When you click the playback button ► in the lower part of the screen, the movie is played back.




- The name and function(s) of each controller are shown below.

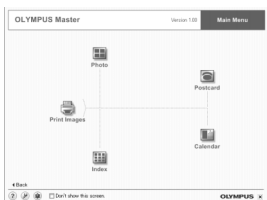


	Items	Details
1	Playback slider	Moves the slider to specify the frame you want to view.
2	Time display	Displays the elapsed time during playback.
3	Playback (pause) button	Plays back a movie. During movie playback, the button functions as the Pause button.
4	Previous frame button	Displays the previous frame.
5	Next frame button	Displays the next frame.
6	Pause button	Pauses movie playback to return to the first frame.
7	Repeat button	Plays back the movie repeatedly.
8	Volume button	Displays the volume adjustment slider.

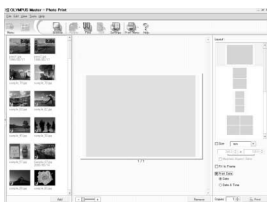
Printing images

The print menus include menus such as [Photo], [Index], [Postcard], [Calendar] etc. The examples in the instructions below are taken from the [Photo] menu.

- 1** Click  (**Print Images**) in the **OLYMPUS Master** main menu.
 - The print menu appears.
- 2** Click  (**Photo**).
 - The photo print window appears.
- 3** Click  (**Settings**) on the photo window. The printer setting dialog box appears. Make printer settings as required.



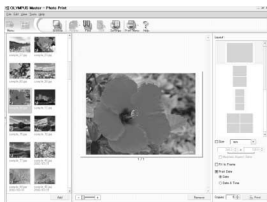
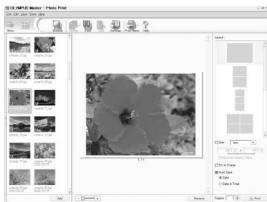
- 4** Select the layout and size of the image to print.
 - To print images with the date or date and time, check off [Print Date], then select [Date] or [Date & Time].



8

Transferring images to a computer

- 5** Select the thumbnail of the image you want to print, then click the [Add] button.
 - The selected image is previewed on the layout.
- 6** Set the number of images to print.
- 7** Click the [Print] button.
 - Clicking [Menu] in the photo print window returns to the main menu.



Your camera supports the USB Mass Storage Class. You can transfer images to a computer by connecting the camera to the computer with the provided USB cable. This can be done even without using OLYMPUS Master.

The following operating systems are compatible with the USB connection:

Windows : Windows 98/98SE/Me/2000 Professional/XP

Macintosh : Mac OS 9.0-9.2/X

Note

- Users running Windows 98 need to install the USB driver. Before connecting the camera to your computer with the USB cable, double-click the file included in the following folder on the provided OLYMPUS Master CD-ROM. When you install OLYMPUS Master on a computer running Windows 98SE, the USB driver will be installed at the same time.
Your computer's drive name: \USB\INSTALL.EXE
- Even if your computer has a USB connector, data transfer may not function correctly if you are using one of the operating systems listed below or if you have an add-on USB connector (extension card, etc.).
 - Windows 95/NT 4.0
 - Windows 98/98SE upgrade from Windows 95
 - Mac OS 8.6 or lower
(except Mac OS 8.6 equipped with USB MASS Storage Support 1.3.5 installed at the factory)
 - Data transfer is not guaranteed on a home-built PC system or PCs with no factory installed OS.

9

Appendix








The appendix will assist in solving most problems you may encounter. Solutions to error messages, operational problems, blurry pictures, camera storage, basic terminology and more can easily be found in this section.

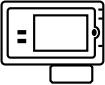


If you encounter problems



Error codes
Troubleshooting
Camera maintenance
Safety precautions









Error codes









Monitor indication	Possible cause	Corrective action
 Y/M/D	The first time the camera is used or when it is left with the battery removed for a long time, the default date and time setting are restored.	Set the date and time.
 NO CARD	The card is not inserted, or it cannot be recognized.	Insert a card or insert a different card. If the problem persists, format the card. If the card cannot be formatted, it cannot be used.
 CARD ERROR	There is a problem with the card.	Use a different card. Insert a new card.
 WRITE PROTECT	Writing to the card is prohibited.	The recorded image has been protected (read-only) on a PC. Download the image to a PC and cancel the read-only setting.
 CARD FULL	The card is full. No more pictures, movies or information such as print reservations can be recorded.	Replace the card or erase unwanted pictures. Before erasing, download important images to a PC.
 NO PICTURE	There are no pictures on the card.	The card contains no pictures. Record pictures.
 PICTURE ERROR	There is a problem with the selected image and it cannot be played back on this camera.	Use image processing software to view the image on a PC. If that cannot be done, the image file is damaged.






Monitor indication	Possible cause	Corrective action
 <p>CARD-COVER OPEN</p>	The battery/card compartment cover is open.	Close the battery/card compartment cover.

Troubleshooting

Possible cause	Corrective action	Ref. Page
The camera does not turn on or function buttons do not respond.		
The power is off.	The camera automatically turns off if it is not operated for a certain period of time. Press the POWER switch to turn the camera on.	–
The battery is drained.	Charge the battery.	–
The battery is temporarily unable to function because of the cold.	Warm the battery by putting it in your pocket for a while.	–
The camera is connected to a PC.	The camera does not operate while it is connected to a PC. Disconnect the camera from the PC.	–
No picture is taken when the shutter button is pressed.		
The battery is drained.	Charge the battery.	–
The camera is in the playback mode.	Set the mode switch to any position except  .	P. 10
The flash has not finished charging.	Remove your finger from the shutter button, and wait until the  mark stops blinking. Press the shutter button again.	–
The card is full.	Erase unwanted images or insert a new card. Before erasing, download important images to a PC.	P. 79
The battery ran out of power during shooting or while the images were being written to the card. (The monitor turns off after BATTERY EMPTY is displayed.)	Charge the battery. (Wait until the card access mark turns off when blinking.)	–
The memory gauge on the monitor is full.	Wait until there is room in the memory gauge.	P. 173
The monitor goes off.		
The power is off.	The camera automatically turns off if it is not operated for a certain period of time. Press the POWER switch to turn the camera on.	–
Colors look strange on the monitor during focusing.		
Colors look strange on the monitor when the shutter button is pressed halfway.	This is not a malfunction. When focusing is successful, the correct colors will be displayed.	–

Possible cause	Corrective action	Ref. Page
The flash does not fire.		
The flash is set to the flash off mode  .	Select a different flash mode (not flash off ).	P. 52
The subject is brightly illuminated.	If you want the flash to fire on a brightly illuminated subject, set the flash to fill-in mode  .	P. 52
The camera is in the  (movie) mode.	The flash does not operate in the  mode. Set the mode switch to  .	P. 10
The battery run time is brief.		
You are using the camera in a cold environment.	Battery performance deteriorates in low temperatures. Keep the camera warm by putting it inside your coat or clothing.	–
The remaining battery power is not indicated correctly.	When battery consumption fluctuates greatly, the camera may turn off without displaying the battery warning indicator. Charge the battery.	–
The monitor is hard to see.		
Vertical lines appear on the monitor during shooting.	Aiming the camera at a bright subject in sunlight may cause vertical lines to appear on the monitor. This is not a malfunction.	–
The brightness is not adjusted properly.	Adjust the brightness in the SETUP menu's  .	P. 96
The monitor is exposed to direct sunlight.	Block the sunlight with your hand.	–
The date recorded with the image data is wrong.		
The date/time is not set.	Set the date/time in the SETUP menu's  . The clock is not preset at the factory.	P. 97
The camera has been left with the battery removed.	Set the date/time again.	P. 97
The factory default settings are restored when the camera is turned off.		
ALL RESET is set to ON.	Set ALL RESET to OFF in the MODE MENU.	P. 82
The picture is out of focus.		
Auto focus is not possible.	Use focus lock to focus on the subject and then shoot.	P. 26
The subject is too close.	If the subject is closer than 30 cm (11.8"), use the super macro mode.	P. 41

Possible cause	Corrective action	Ref. Page
Pictures cannot be displayed or clearly viewed on the monitor.		
The power is off.	The camera automatically turns off if it is not operated for a certain period of time. Press the POWER switch to turn the camera on.	–
The camera is in the shooting mode.	Set the mode switch to  .	P. 10
The brightness is not adjusted properly.	Adjust the brightness in the SETUP menu's  .	P. 96
The camera is connected to a TV.	The monitor does not function when the AV cable is connected to the camera.	P. 77
Single-frame erase and all-frame erase cannot be performed.		
The images are protected.	Set  to OFF.	P. 78
No picture is displayed on the TV when connected to the camera.		
The video output signal is incorrect.	Set the video output signal according to the region where used.	P. 99
The TV video signal setting is incorrect.	Set the TV to the video input mode.	–
The picture is too dark.		
The flash was blocked by your finger.	Hold the camera correctly, keeping your fingers away from the flash.	–
The subject was out of the working range of the flash.	Shoot within the flash working range.	P. 53
The flash was set to the flash off mode  .	Select a different flash mode (not flash off ).	P. 52
The subject was too small and was backlit.	Set the flash to fill-in mode  , or set ESP/  to  .	P. 52 P. 55
Bright (white) subjects (such as snow) come out darker than their natural colors.	Select BEACH & SNOW in the SCENE SELECT menu or adjust the exposure compensation toward plus (+).	P. 38 P. 56
The center of the subject was too bright.	If the center of the subject is too bright, the image as a whole emerges darker. Adjust the exposure compensation toward plus (+).	P. 56

Possible cause	Corrective action	Ref. Page
The picture's colors look unnatural.		
Indoor lighting affected the picture's color.	Set the white balance appropriate to the lighting source.	P. 57
No white in the picture.	Include something white in the picture, or shoot using the fill-in flash mode  .	P. 52
The white balance setting is wrong.	Adjust the white balance according to the light source.	P. 57
Part of the image is too dark.		
The lens was partly blocked by your finger or the strap.	Hold the camera correctly, keeping your fingers and the strap away from the lens.	–
The picture displayed on the monitor is out of focus.		
A subject unsuited to AF was taken.	Use focus lock to focus on the subject and then shoot.	P. 26
The flash was set to the flash off mode  in a light condition requiring use of the flash.	Select a different flash mode (not flash off ). When shooting with the flash mode set to flash off  , the shutter speeds decrease. Stabilize the camera or hold it steady.	P. 52
The camera moved when the shutter button was pressed.	Hold the camera steady, and press the shutter button gently. Camera movement is likely to occur at slower shutter speeds. During night shooting or shooting with the flash set to flash off mode  in low light condition, stabilize the camera or hold it steady.	–
The subject was too close.	If the subject is closer than 30 cm (11.8"), use the super macro mode.	P. 41
There are water droplets on the lens or the lens is dirty.	Clean the lens. Use a commercially available blower brush and then wipe with the provided camera cleaner to remove dust. Mold may form on the lens surface if the lens is left dirty.	P. 157
The camera is not recognized by the PC.		
The USB driver has not been installed.	Install the OLYMPUS Master.	P. 136
The power is off.	Press the POWER switch to turn the camera on.	–

Cleaning the camera

1 Press the POWER switch to turn off the camera.

Make sure that the monitor is turned off.

2 Remove the battery and card.

If you are using an AC adapter, unplug the AC adapter from the camera first before removing the plug from the AC outlet.

3 Exterior

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

Monitor

→ Wipe gently with the provided camera cleaner.

Lens

→ Blow dust off the lens with a commercially available blower, then wipe gently with the provided camera cleaner.

Card

→ Wipe gently with the provided camera cleaner.

Storage

- When storing the camera for extended periods, remove the battery and card. Store the camera in a cool, dry place that is well ventilated.
- Replace the battery periodically and test camera functions.

! Note

- Do not use strong solvents such as benzene or alcohol, or chemically treated cloth.
- Before cleaning, be sure to remove the battery from the camera.
- Mold may form on the lens surface if the lens is left dirty.
- Avoid storing the camera in places where chemicals are treated, in order to protect the camera from corrosion.

Safety precautions

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. Direct sunlight, beaches, locked cars, or near other heat sources (stove, radiator, etc.) or humidifiers.
 - In sandy or dusty environments.
 - Near flammable items or explosives.
 - In wet places, such as bathrooms or in the rain.
 - In places prone to strong vibrations.
- Never drop the camera or subject it to severe shocks or vibrations.
- Do not leave the camera pointed directly at the sun. This may cause lens damage, color failure, ghosting on the CCD, or may possibly cause fires.
- Condensation may form inside the camera when there is a sudden extreme change in temperature (such as when moving from indoors to outdoors). Acclimatize the camera to the temperature (e.g. by putting the camera into the plastic bag) before use.
- Do not touch electric contacts on cameras.
- If the camera has not been used for a long time, mold may form or the camera may malfunction. Before using the camera, check that the camera works properly.

Battery handling precautions

- This camera uses an lithium ion battery specified by Olympus. Do not use any other type of battery. For safe and proper use, read the battery's instruction manual carefully before using it.
- 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 the 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.

AC adapter precautions

- Use an AC adapter designed to operate on the AC voltage in the area the camera is being used.
- The AC adapter is exclusively for indoor use.
- Turn off the camera when disconnecting any power cables from the plug or wall outlet. Not doing so could affect the camera's internal settings or functions.
- The AC adapter may become hot when used, but this does not indicate a product malfunction.
- The AC adapter may emit a beeping sound, but this does not indicate a product malfunction.
- When using the AC adapter near a radio, your radio may experience electrical frequency interference. Keep the adapter as far from the radio as possible.

Card handling precautions

- Keep the card away from infants or toddlers as it could be accidentally swallowed.
- Improper use of the card could result in damage and loss of data on the card. Once lost, data cannot be restored. Be careful of the following when using the card.
 - Do not bend the card or subject it to physical shock or vibrations.
 - Do not store the card in areas of high temperature, high humidity, or high dust content.
 - Do not get the card wet.
 - Do not touch the card's metal connector part, or touch it to any other metal.
 - Never turn off the power, disturb the card, or remove the card or battery while the card is writing/reading data.
- When the card is worn out from overuse, replace it with a new one.
- The card cannot be used if it is formatted on the computer or other devices. Be sure to format the card on your camera before use.
- Olympus is not responsible for lost or destroyed data in the card, or for damage of data stored in other media.

LCD monitor

- Do not push the monitor forcibly; otherwise the image may become fuzzy, resulting in a playback mode failure or damage to the monitor. If the monitor is damaged, be careful not to get any of the liquid crystals from the monitor in your mouth. If liquid crystals get on your limbs or clothes, wash them off.
- 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. A LCD monitor exhibiting poor performance due to low temperatures will recover in normal temperatures.
- **The LCD monitor is made with high-precision technology. However, black spots or bright spots of light may appear on the LCD monitor. These spots may not be uniform in color and brightness depending on their characteristics or the angle at which you are viewing the monitor. This is not a malfunction.**

CCD (Charge-Coupled Device)

This converts light passing through the lens into electrical signals. With this camera, light is picked up and converted into RGB signals to build a single image.

DCF (Design rule for Camera File system)

A standard for image files by the Japan Electronics and Information Technology Industries Association (JEITA).

Digital ESP (Electro-Selective Pattern) Light Metering

This determines the exposure by metering and calculating the light levels in the center and other areas of the image separately. With this camera, this system works when the metering mode is set to ESP.

DPOF (Digital Print Order Format)

This is for saving desired print settings on digital cameras. By entering which images to print and the number of copies of each, the user can easily have the desired images printed by a printer or print lab that supports the DPOF format.

EV (Exposure Value)

A system for measuring exposure. EV0 is when the aperture is at F1 and the shutter speed is 1 second. The EV then increases by 1 each time the aperture increases by one F stop or the shutter speed increases by one increment. EV can also be used to indicate brightness and ISO settings.

Exposure

The amount of light used to capture an image. The exposure is determined by the time the shutter is open (shutter speed) and the amount of light that passes through the lens (aperture).

JPEG (Joint Photographic Experts Group)

A compression format for color still images. Photographs (images) shot using this camera are recorded onto the card in JPEG format. By downloading these images to a personal computer, users can edit them using graphics application software or view the images using an Internet web browser.

NTSC (National Television Systems Committee) / PAL (Phase Alternating Line)

Television formats. NTSC is mainly used in Japan, North America and Korea. PAL is mainly used in Europe and China.

PictBridge

A standard that enables digital cameras and printers made by different manufacturers to be connected, and also allows pictures to be printed directly from the camera.

Pixels

A pixel is the smallest unit (dot) used to make up an image. Clear large-sized printed images require millions of pixels.

TFT (Thin-Film Transistor) Color Monitor

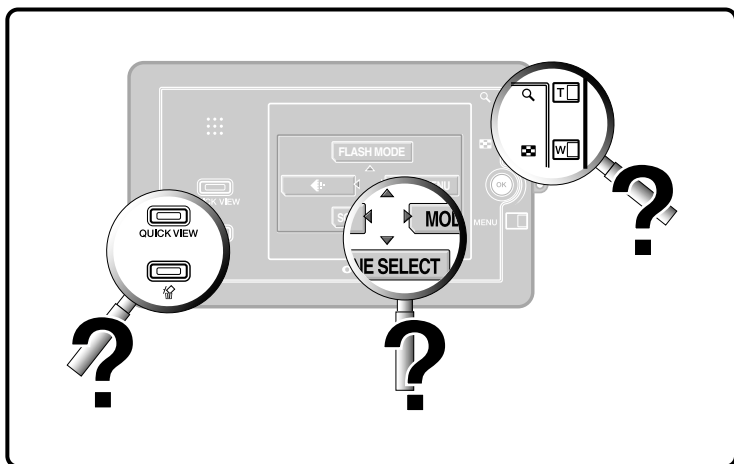
A transistor color monitor constructed using thin-film technology.

10 Information

This chapter covers all the camera's functions already described in Chapters 1 through 9.

You can refer to the names of the camera's buttons and parts, the names and meanings of the icons displayed on the monitor, and the top menu and mode menu lists as necessary.

Use the index when you want to find the pages describing the functions and items if these are not included in the table of contents. You can also use the "Names of parts" and "Menu directory" to search for the relevant pages.



















● Shooting menu (📷 mode)

Top menu	Tab	Function	Setting	Ref. page	
MODE MENU	CAMERA		OFF, ON	P. 42	
			OFF, ,	P. 41	
		ESP/	ESP,	P. 55	
			-2.0 - 0.0 - +2.0	P. 56	
		DRIVE		P. 43	
		ISO	AUTO, 80, 100, 200, 400	P. 54	
		DIGITAL ZOOM	OFF, ON	P. 40	
			OFF, ON	P. 49	
		PANORAMA		P. 44	
		2 IN 1		P. 46	
		PICTURE	WB	AUTO, , , ,	P. 57
		CARD	FORMAT	YES, NO	P. 106
		SETUP	ALL RESET	OFF, ON	P. 82
				ENGLISH, FRANCAIS, DEUTSCH, ESPAÑOL, PORTUGUES*	P. 84
	PW ON SETUP		SCREEN	OFF, 1, 2	P. 85
			SOUND	OFF, 1, 2	
	PW OFF SETUP		SCREEN	OFF, 1, 2	P. 85
			SOUND	OFF, 1, 2	
	REC VIEW		OFF, ON	P. 89	
			OFF, LOW, HIGH	P. 91	
	BEEP		OFF, 1, 2 — LOW, HIGH	P. 92	
	SHUTTER SOUND		OFF, 1, 2 — LOW, HIGH	P. 93	
	FILE NAME		RESET, AUTO	P. 94	
	PIXEL MAPPING			P. 95	
				P. 96	
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	VIDEO OUT		NTSC, PAL*	P. 99	
	FLASH MODE			AUTO, , ,	P. 53

To the next page

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

: Factory default setting

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			 ,  ,  ,  ,  ,  ,  ,			
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			 3:2 2288 x 1520			
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			 3:2 2288 x 1520			
			SQ1 —		P. 29	
			2048 x 1536			HIGH, NORMAL
			1600 x 1200			
1280 x 960						
SQ2 —	P. 29					
1024 x 768		HIGH, NORMAL				
640 x 480						

Shooting menu (📷 mode)

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			OFF, ,	P. 41	
		ESP/	ESP,	P. 55	
			-2.0 - 0.0 - +2.0	P. 56	
			OFF, ON	P. 49	
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	CARD	FORMAT	YES, NO	P. 106	
	SETUP	ALL RESET	OFF, ON	P. 82	
			ENGLISH, FRANCAIS, DEUTSCH, ESPAÑOL, PORTUGUES*	P. 84	
		PW ON SETUP	SCREEN	OFF, 1, 2	P. 85
			SOUND	OFF, 1, 2	
		PW OFF SETUP	SCREEN	OFF, 1, 2	P. 85
			SOUND	OFF, 1, 2	
			OFF, LOW, HIGH	P. 91	
		BEEP	OFF, 1, 2 — LOW, HIGH	P. 92	
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		VIDEO OUT	NTSC, PAL*	P. 99	
				OFF, ON	P. 58
				SHQ, HQ, SQ1, SQ2	P. 29
	DIGITAL ZOOM		OFF, ON	P. 40	

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

Playback menu (▶ mode)















































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		*1		P. 69		
	EDIT		BLACK&WHITE ^{*1}		P. 66	
			SEPIA ^{*1}		P. 66	
			*1		P. 67	
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			INDEX ^{*2}		P. 73	
			EDIT ^{*2}		P. 75	
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			FORMAT	YES, NO	P. 106	
	SETUP		ALL RESET	OFF, ON	P. 82	
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			PW ON SETUP	SCREEN	OFF, 1, 2	P. 85
				SOUND	OFF, 1, 2	
			PW OFF SETUP	SCREEN	OFF, 1, 2	P. 85
				SOUND	OFF, 1, 2	
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			VOLUME	OFF, 1, 2, 3, 4, 5	P. 90	
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					P. 97	
			VIDEO OUT	NTSC, PAL ^{*3}	P. 99	
				4, 9, 16, 25	P. 100	
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*1				P. 64		
MOVIE PLAY ^{*2}				P. 70		
INFO			OFF, ON	P. 105		
			OFF, ON	P. 78		

*1: Not displayed during movie playback.



















*2: Not displayed during still picture playback.

*3: Settings differ depending on the region where the camera is sold.

Available functions by shooting mode

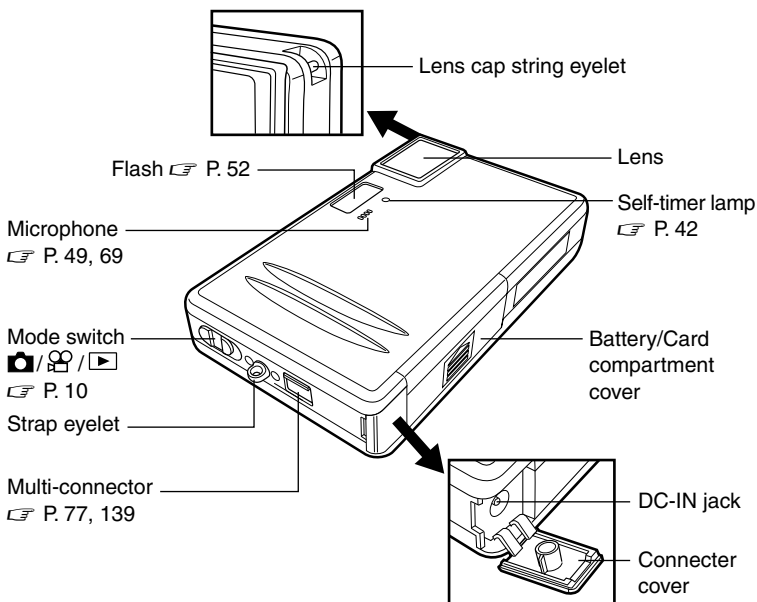
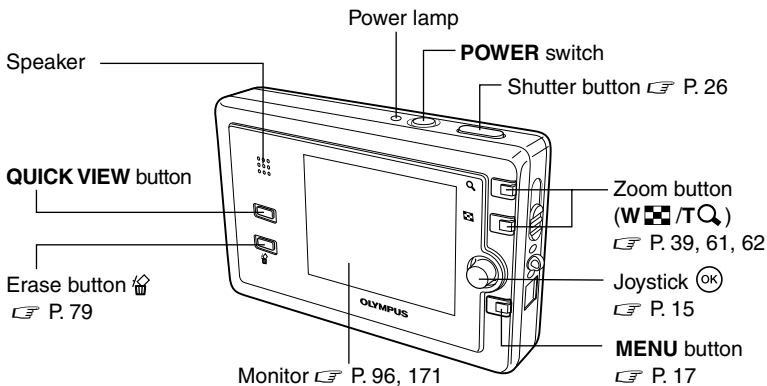
Mode			
		      	
Function		      	
Zoom		✓	
QUICK VIEW		✓	
Flash	AUTO	✓ (Cannot be selected in  mode)	
		✓ (Cannot be selected in  mode)	
		✓ (Cannot be selected in  mode)	
		✓	✓
SCENE SELECT		✓	
		✓	
		—	✓
DIGITAL ZOOM		✓ (Cannot be selected in  mode)	
		✓	
		✓ (Cannot be selected in  mode)	
		✓ (Cannot be selected in  /  mode)	
		✓	—
		✓	
		      	
ISO		✓	
 (still picture)		✓	—
PANORAMA		✓ (Cannot be selected in  mode)	
2 IN 1		✓	
 (movie)		—	✓
WB		Only available for  mode.	
ALL RESET		✓	
		✓	
PW ON SETUP		✓	
PW OFF SETUP		✓	
REC VIEW		✓	—
		✓	
BEEP		✓	
SHUTTER SOUND		✓	—

✓: Available —: Not available

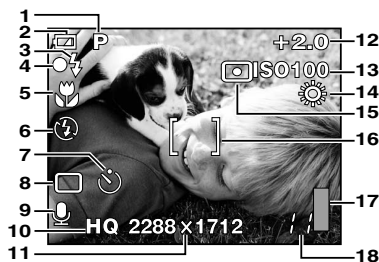
Function \ Mode			
	             		
FILE NAME		✓	
PIXEL MAPPING		✓	
		✓	
		✓	
VIDEO OUT		✓	

✓: Available —: Not available

Camera
































Monitor indications

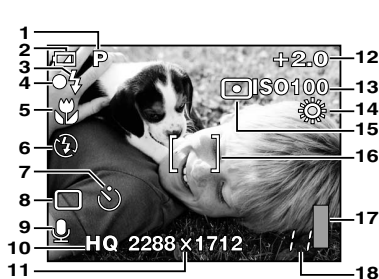


Shooting mode



Playback mode

	Items	Indications	Ref. page
1	Shooting modes	 ,  ,  ,  ,  ,  ,  ,  ,  ,  ,  ,  ,  , 	P. 34
2	Battery check	 , 	P. 173
3	Flash stand-by Camera movement warning/Flash charging	 (Lit)  (Blinks)	P. 52
4	Green lamp		P. 27
5	Macro mode Super macro mode	 	P. 41
6	Flash mode	 ,  , 	P. 52
7	Self-timer		P. 42
8	Drive mode	 , 	P. 43
	Image stabilizer (movie)		P. 58
9	Sound record		P. 69
10	Record mode	SHQ, HQ, SQ1, SQ2	P. 29
11	Resolution	2288x1712, 3:2 2288x1520, 2048x1536, 1600x1200, 1280x960, 1024x768, 640x480	P. 31
12	Exposure compensation	-2.0 - +2.0	P. 56



Shooting mode



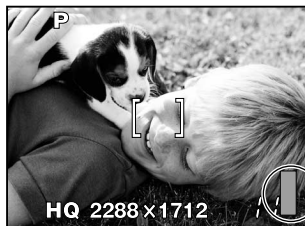
Playback mode

	Items	Indications	Ref. page
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14	White balance		P. 57
15	Metering mode		P. 55
16	AF target mark	[]	P. 26
17	Memory gauge		P. 173
18	Number of storable still pictures	11	–
	Remaining movie recording time	05:00	P. 47
19	File number	100-0030	–
20	Date/time	'04.12.23 21:56	P. 97
21	Print reservation, Number of prints	X10	P. 108
	Movie		P. 70
22	Sound record		P. 69
23	Protect		P. 78
24	Frame number (still image)	30	–
	Elapsed playback time/ Overall recording time (movie)	00:00/56:34	P. 47

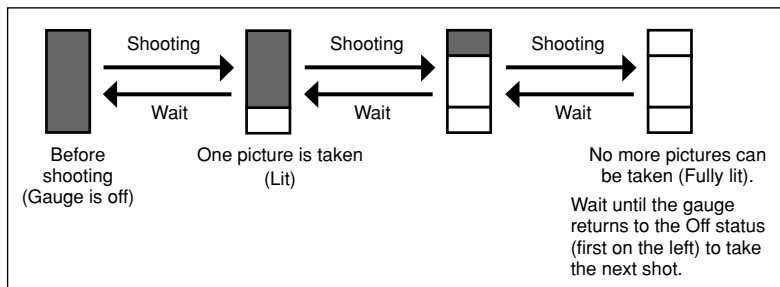
Memory gauge

The memory gauge lights up when the camera is storing a still picture you have just taken on the card. The memory gauge indication changes as shown below depending on the shooting status.

If the memory gauge is fully lit, wait a few seconds until it goes off to take the next shot.

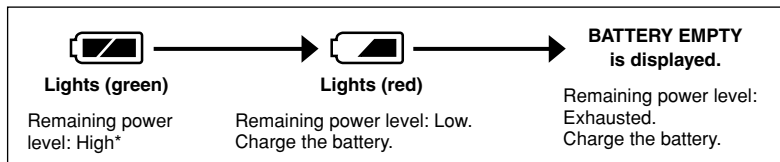


Memory gauge



Battery check

If the remaining battery power is low, the battery check indication changes as follows when the camera is turned on or while the camera is in use.



* Your digital camera's power consumption varies greatly depending on usage and operating conditions. Under some operating conditions, the camera may turn off without warning that battery power is low. If this occurs, re-charge the battery.

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





















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


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