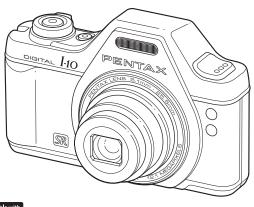
# **PENTAX**

Digital Camera

# Optio I-10

# **Operating Manual**











To ensure the best performance from your camera, please read the Operating Manual before using the camera.

Thank you for purchasing this PENTAX Digital Camera.

Please read this manual before using the camera in order to get the most out of all the features and functions. Keep this manual safe, as it can be a valuable tool in helping you to understand all the camera's capabilities.

#### Regarding copyrights

Images taken using the PENTAX Digital Camera that are for anything other than personal enjoyment cannot be used without permission according to the rights as specified in the Copyright Act. Please take care, as there are cases where limitations are placed on taking pictures even for personal enjoyment during demonstrations, performances or of items on display. Images taken with the purpose of obtaining copyrights also cannot be used outside the scope of use of the copyright as laid out in the Copyright Act, and care should be taken here also.

#### Regarding trademarks

- PENTAX and Optio are trademarks of HOYA CORPORATION.
- SDHC logo ( ) is a trademark of SD-3C, LLC.
- ArcSoft<sup>®</sup>, and its logo are either the registered trademark or trademark of ArcSoft Inc. in the United States and/or other countries.
- Microsoft and Windows are registered trademarks of Microsoft Corporation in the United States and other countries. Windows Vista is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.
- Macintosh and Mac OS are trademarks of Apple Inc., registered in the U.S. and other countries.
- This product supports PRINT Image Matching III. PRINT Image Matching enabled digital still cameras, printers and software help photographers to produce images more faithful to their intentions. Some functions are not available on printers that are not PRINT Image Matching III compliant. Copyright 2001 Seiko Epson Corporation. All Rights Reserved. PRINT Image Matching is a trademark of Seiko Epson Corporation. The PRINT Image Matching logo is a trademark of Seiko Epson Corporation.
- Eye-Fi, the Eye-Fi connected are trademarks of Eye-Fi, Inc.
- All other brands or product names are trademarks or registered trademarks of their respective companies.

#### Regarding Product Registration

In order to better serve you, we request that you complete the product registration, which can be found on the CD-ROM supplied with the camera or the PENTAX website. Thank you for your cooperation.

Refer to "Connecting to a Computer" (p.213) for more information.

#### To users of this camera

- Do not use or store this device in the vicinity of equipment that generates strong electromagnetic radiation or magnetic fields.
  - Strong static charges or the magnetic fields produced by equipment such as radio transmitters could interfere with the monitor, damage the stored data, or affect the product's internal circuitry and cause camera misoperation.
- The liquid crystal panel used in the display is manufactured using extremely high precision technology. Although the level of functioning pixels is 99.99% or better, you should be aware that 0.01% or fewer of the pixels may not illuminate or may illuminate when they should not. However, this has no effect on the recorded image.
- If you point the camera toward an object that is bright, a band of light may appear on the screen display. This phenomenon is referred to as "smear" and is not a malfunction of the camera.
- There is a possibility that the illustrations and the display screen in this manual are different from the actual product.
- In this manual, both an SD Memory Card and an SDHC Memory Card are referred to as SD Memory Cards hereafter.
- In this manual, the generic term "computer(s)" refers to either a Windows PC or a Macintosh hereafter.
- In this manual, the term "battery" refers to any type of batteries used for this camera and accessories.

# **Using Your Camera Safely**

We have paid close attention to the safety of this product. When using this product, we request your special attention regarding items marked with the following symbols.



Warning

This symbol indicates that violating this item could cause serious personal injuries.



Caution

This symbol indicates that violating this item could cause minor or medium personal injuries, or loss of property.

#### **About the Camera**



#### / Warning

- · Do not disassemble or modify the camera. High voltage areas are present inside the camera, with the risk of electric shock.
- If the camera interior is exposed due to dropping or otherwise damaging the camera, never touch the exposed portion. There is a risk of electric shock.
- Wrapping the strap around your neck is dangerous. Take care that small children do not hang the strap around their necks.
- If any irregularities occur during use, such as smoke or a strange odor, stop use immediately, remove the battery or the AC adapter, and contact your nearest PENTAX Service Center. Continuing to use the product can cause a fire or electric shock.



#### ✓ !\ Caution

- Do not place your finger over the flash when discharging the flash. You may burn yourself.
- · Do not cover the flash with clothing when discharging the flash. Discoloration may occur.
- · Some portions of the camera heat up during use. There is a risk of low temperature burns when holding such portions for long periods.
- · Should the monitor be damaged, be careful of glass fragments. Also, be careful not to allow the liquid crystal to get on your skin, in your eyes or mouth.
- · Depending on your individual factors or physical condition, the use of the camera may cause itching, rashes or blisters. In case of any abnormality, stop using the camera and get medical attention immediately.

#### About the Battery Charger and the AC Adapter



#### ✓! Warning

 Always use the battery charger and AC adapter exclusively developed for this product, with the specified power and voltage. Using a battery charger or AC adapter not exclusive to this product, or using the exclusive battery charger or AC adapter with an unspecified power or voltage can cause a fire, electric shock, or camera breakdown. The specified voltage is 100 -240V AC.

- Do not disassemble or modify the product. This can cause a fire or electric shock.
- · If the generation of smoke or strange odor from the product or other abnormality occurs, immediately discontinue use and consult a PENTAX Service Center. Continuing to use the product can cause a fire or electric shock.
- If water should happen to get inside the product, consult a PENTAX Service Center. Continuing to use the product can cause a fire or electric shock.
- If a thunder storm should occur while using the battery charger, unplug the AC plug cord and discontinue use. Continuing to use the product can cause damage to the equipment, fire, or electric shock.
- Wipe off the plug of the AC plug cord if it becomes covered with dust. Dust on the plug may cause a fire.



#### 

- Do not place or drop heavy objects on or forcefully bend the AC plug cord. Doing so may damage the cord. Should the AC plug cord be damaged, consult a PENTAX Service Center.
- Do not touch or short-circuit the terminal area of the AC plug cord while the cord is plugged in.
- Do not plug or unplug the power cord with wet hands. This can cause an electric shock.
- Do not drop the product, or subject it to violent impact. This can cause equipment breakdown.
- Do not use the battery charger to charge a battery other than a rechargeable lithium-ion battery D-LI92. Attempting to charge other types of batteries may cause an explosion, or heating, or may damage the battery charger.
- To reduce the risk of hazards, use only a CSA/UL certified power supply cord set, cord is Type SPT-2 or heavier, minimum NO.18 AWG copper, one end with a molded-on male attachment plug cap (with a specified NEMA configuration), and the other is provided with a molded-on female connector body (with a specified IEC nonindustrial type configuration) or the equivalent.

#### **About the Battery**



#### / Warning

- · Be sure to store the battery out of the reach of small children. Placing it in their mouths may cause an electric shock.
- If any leakage from the battery should come in contact with your eyes, do not rub them. Flush your eyes with clean water and get medical attention immediately.



#### Caution

- · Only use the specified battery with this camera. Use of other batteries may cause an explosion or fire.
- · Do not disassemble the battery. Disassembling the battery may cause an explosion or leakage.
- · Remove the battery from the camera immediately if it becomes hot or begins to smoke. Be careful not to burn yourself during removal.
- · Keep wires, hairpins, and other metal objects away from the + and contacts of the battery.
- Do not short the battery or dispose of the battery in fire. This can cause an explosion or fire.
- If any leakage from the battery should come in contact with skin or clothes, wash the affected areas thoroughly with water.
- · Precautions for D-LI92 Battery Usage:
  - BATTERY MAY EXPLODE OR CATCH FIRE IF MISTREATED.
  - DO NOT DISASSEMBLE OR DISPOSE THE BATTERY OF IN A FIRE.
  - DO NOT CHARGE EXCEPT UNDER SPECIFIED CHARGING CONDITIONS.
  - DO NOT HEAT ABOVE 140°F / 60°C, OR SHORT CIRCUIT.
  - DO NOT CRUSH OR MODIFY.

#### Keep the Camera and Supplied Accessories out of the Reach of **Small Children**



#### /!\ Warning

- · Do not place the camera and supplied accessories within the reach of small children.
  - 1. If the product falls or is operated accidentally it may cause serious personal injuries.

- 2. Wrapping the strap around a neck may cause suffocation.
- 3. To avoid the risk of a small accessory such as the battery or SD Memory Cards from being swallowed by mistake, keep them out of the reach of small children. Seek medical attention immediately if an accessory is accidentally swallowed.

# Care to be Taken During Handling

#### **Before Using Your Camera**

- When traveling, take the Worldwide Service Network listing that is included in the package. This will be useful if you experience problems abroad.
- When the camera has not been used for a long time, confirm that it is still
  working properly, particularly prior to taking important pictures (such as at
  a wedding or when traveling). Pictures and sound cannot be guaranteed if
  recording, playback or transferring your data to a computer, etc. is not
  possible due to a malfunction of your camera or recording media (SD
  Memory Card), etc.

#### **About the Battery and Charger**

- Storing the battery fully charged may decrease the battery performance.
   Avoid storing in high temperatures.
- If the battery is left inserted and the camera is not used for a long time, the battery will over-discharge and shorten the battery's usage span.
- Charging the battery a day before use or on the day of use is recommended.
- The AC plug cord provided with this camera is developed exclusively for the battery charger D-BC92. Do not use it with other devices.

#### **Precautions on Carrying and Using Your Camera**

- Do not subject the camera to high temperatures or high humidity. Do not leave the camera in a vehicle, as the temperature can get very high.
- Do not subject the camera to strong vibrations, shocks, or pressure. Use a cushion to protect the camera from vibrations of motorcycles, automobiles, or ships.
- The temperature range for camera use is 0°C to 40°C (32°F to 104°F).
- The monitor may appear black at high temperatures, but will return to normal at normal temperatures.

- The monitor may respond more slowly at low temperatures. This is due to liquid crystal properties, and is not a malfunction.
- Sudden temperature changes will cause condensation on the inside and outside of the camera. Place the camera in your bag or a plastic bag, and remove it after temperature of the camera and surroundings are equalized.
- Avoid contact with garbage, mud, sand, dust, water, toxic gases, or salts.
   These could cause the camera to breakdown. Wipe the camera dry off any rain or water drops.
- Please do not press forcefully on the monitor. This could cause it to break or malfunction.
- Be careful not to sit down with the camera in your back pocket as this may damage the exterior of the camera or the display.
- · Be careful not to overtighten the tripod screw when using a tripod.
- The lens on this camera is not interchangeable. The lens is not removable.

#### **Cleaning Your Camera**

- Do not clean the product with organic solvents such as thinner, alcohol or benzene.
- Use a lens brush to remove dust accumulated on the lens. Never use a spray blower for cleaning as it may damage the lens.

#### **Storing Your Camera**

 Do not store the camera with preservatives or chemicals. Storage in high temperatures and high humidity can cause mold to grow on the camera. Remove the camera from its case and store it in a dry and well-ventilated location.

#### **Other Precautions**

- Periodic inspections are recommended every one to two years to maintain high performance.
- Refer to "Precautions When Using an SD Memory Card" (p.39) regarding the SD Memory Card.
- Please note that deleting images or sound files, or formatting the SD Memory Cards or the built-in memory does not completely erase the original data. Deleted files can sometimes be recovered using commercially available software. It is the user's responsibility to ensure the privacy of such data.

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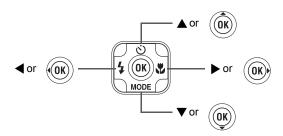
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In this manual, the method for operating the four-way controller is shown in illustrations, such as in the ones below.



The meanings of the symbols used in this Operating Manual are explained below.

r\$	indicates the reference page number for an explanation of the related operation.
memo	indicates information that is useful to know.
Caution	indicates precautions to be taken when operating the camera.
<b>□</b> mode	This is the mode for capturing still pictures and recording movies. In this manual, the mode for taking still pictures is referred to as the "still picture capture mode" and the mode for recording movies is referred to as the "## mode".
<b>▶</b> mode	This is the mode for viewing still pictures and playing back movies and sound files.

# **Composition of the Operating Manual**

This Operating Manual contains the following chapters.

#### 1 Getting Started -

This chapter explains what you need to do after purchasing the camera before you start taking pictures. Be sure to read it and follow the instructions.

#### 2 Common Operations ——

This chapter explains common operations such as the functions of the buttons and how to use the menus. For more details, refer to the respective chapters below.

#### 3 Taking Pictures ---

This chapter explains the various ways of capturing images and how to set the relevant functions.

#### 4 Playing Back and Deleting Images -----

This chapter explains how to view still pictures and movies on the camera or on a TV screen and how to delete images from the camera.

#### 5 Editing and Printing Images -----

This chapter explains the various ways of printing still pictures and how to edit images with the camera.

#### 6 Recording and Playing Back Sound ————

This chapter explains how to record sound files or add sound (a voice memo) to an image, and how to play back them.

#### 7 Settings -----

This chapter explains how to set the camera-related functions.

#### 8 Connecting to a Computer —

This chapter explains how to connect the camera to a computer, and includes installation instructions and a general overview of the provided software.

#### 9 Appendix-

This chapter deals with troubleshooting and lists the optional accessories.

1















#### **Camera Features**

In addition to basic picture-taking, the Optio I-10 has a variety of shooting modes to suit different situations. This section describes how to make the most of the key features of your camera. Together with the explanations of camera operations, it will enable you to enjoy your camera to the full.

# Easy-to-Navigate Capture and Playback Functions!

The user-friendly design of the Optio I-10 enables easy operation with only a few buttons. Simply by choosing the appropriate icon, you can select the shooting mode (p.67) and choose the optimal settings for the situation, or the playback mode (p.136, p.158) and enjoy the various playback and editing functions. A guide on the display lets you check the functions available in each mode and how to use them.



- A shooting mode guide is displayed in the Capture Mode Palette and a playback mode guide in the Playback Mode Palette (p.67, p.136).
- Use the Green Mode to take pictures easily using standard settings (p.74).

#### **Resistant to Camera Shake!**

The Optio I-10 is equipped with an optical camera shake reduction feature (Shake Reduction). This feature prevents camera shake when you take a picture in dark locations or at the moment you release the shutter

#### **Perfect for Portrait Shots!**

The Optio I-10 comes with a "Face Detection" function that spots the faces in your shot and automatically adjusts the focus and exposure for the faces. It can detect up to 32 people per shot (\*), so it will help you take perfect group shots too. It will automatically release the shutter when people are smiling, or if anyone blinked, it will tell you that so you can take the shot again until it is perfect. It also has a feature that lets you enlarge each person's face in sequence during playback so you can quickly check their facial expressions.

- \* Up to 31 face detection frames (up to 30 frames in Half-length Portrait mode) are displayed on the monitor.
  - Face Detection function (p.70)
  - Modes for taking stunning pictures of people (p.80)
  - Close-ups of people's faces for easy checking during playback (p.144)

#### **Add Various Frames to Your Pictures!**



When you take a picture with the Optio I-10, you can choose from a wide range of fun frames to create attractive framed shots (p.88). You can also add frames to pictures you have taken. Adjust the position of the subject in the picture or reduce or enlarge the picture size to match the frame shape and size. Now you no longer have to worry about the subject not fitting into the frame (p.167).

For decorating your pictures with a frame

## Display Images and Sound Files in Calendar Format!

With the Optio I-10, you can display recorded images and sound files by date in calendar format (p.135). This lets you quickly find the image or sound file you want to play back.

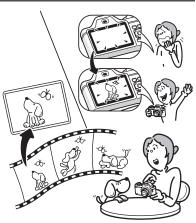
# **Advanced Movie Recording Functions**

The Optio I-10 has a shake reduction function (Movie SR) to reduce camera shake during movie recording (p.126). And it enables you to record movies in 1280×720 pixel (16:9) HDTV format (\*) (p.125).

- \* When connecting to and playing back images on AV equipment, image data is output at normal screen resolution. To view movies in HDTV, transfer the data to a computer and play it back on the computer.
  - Use the camera to shoot fun-filled movies of your children or pets as a visual diary of their development (p.123).

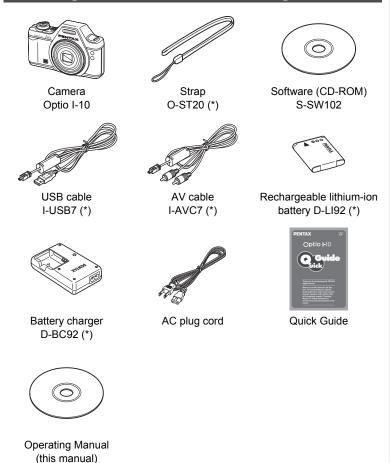
# A Multitude of Functions Inside the Camera for Enjoying Images Without a Computer!

The Optio I-10 has a variety of functions to let you enjoy playing back and editing images without having to connect the camera to your computer and transfer the images first. The camera is all you need to take and edit still pictures and movies (p.158). And no more worries about accidentally deleting images, because now, with the Optio I-10, you can recover them again (p.151).



- Resize (p.158), Cropping (p.159) and Red-eye Compensation (p.166) can be used, while the image is displayed in the playback mode.
- You can divide a movie into two or select a frame from a movie to save it as a still picture (p.176).

# **Checking the Contents of the Package**

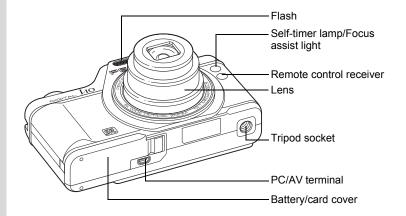


Items marked with an asterisk (\*) are also available as optional accessories. The battery charger and AC plug cord are only sold as a set (Battery Charger Kit K-BC92).

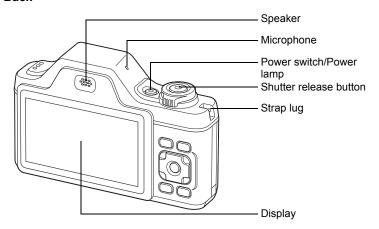
For other optional accessories, refer to "Optional Accessories" (p.252).

# **Names of Parts**

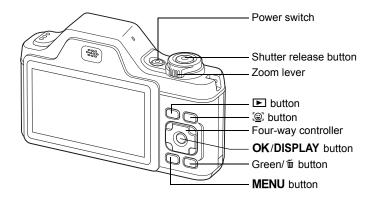
#### **Front**



#### **Back**



# **Names of Operating Parts**



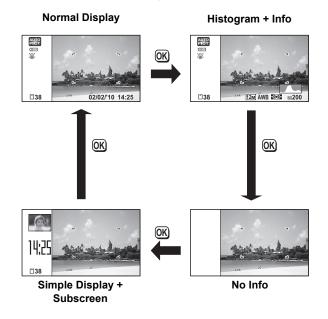


Refer to "Understanding the Button Functions" (p.50 - p.54) for an explanation of the function of each button.

## **Monitor Indications**

#### Display in Mode

The display shows information such as the shooting conditions in the capture mode. The display changes in the following sequence each time you press the **OK/DISPLAY** button: "Normal Display", "Histogram + Info", "No Info" and "Simple Display + Subscreen".

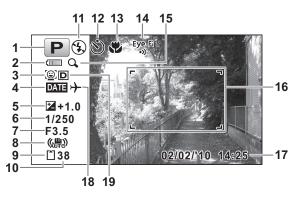




When the shooting mode is set to (Green) mode, the monitor display is as shown on the right. You cannot change the information on the display by pressing the **OK/DISPLAY** button (p.74).



#### Normal Display in Still Picture Capture Mode



- 1 Shooting mode (p.67)
- **2** Battery level indicator (p.34)
- **3** Face Detection icon (p.70)
- 4 Date Imprint setting (p.119)
- **5** EV Compensation (p.108)
- 6 Shutter speed
- 7 Aperture
- 8 Camera shake reduction icon (p.116)
- **9** Memory status (p.41)
- **10** Remaining image storage capacity

- **11** Flash Mode (p.100)
- 12 Drive Mode (p.90, p.91)
- 13 Focus Mode (p.102)
- **14** Eye-Fi communication status (p.205)
- **15** Digital Zoom/Intelligent Zoom icon (p.76)
- **16** Focus frame (p.64)
- **17** Date and time (p.47)
- 18 World Time setting (p.198)
- 19 D-Range Setting (p.109)
- \* 6 and 7 appear only when the shutter release button is pressed halfway.
- \* 8 varies depending on the following conditions.

When the shutter release button is pressed halfway with [Shake Reduction] in the [♠ Rec. Mode] menu set to ☞ (On).
When [Shake Reduction] is set to □ (Off) (If the camera shake is likely to occur, 🚣 is indicated when the shutter button is pressed halfway.)

\* For 13, when the focus mode is set to **AF** and the Auto-Macro function is activated, the **4** appears on the display (p.102).

 \* 14 changes as follows depending on the [Eye-Fi] setting in [♣ Setting] menu.

Eye-Fi •))	During Eye-Fi communication. The camera is communicating or searching for the access point when [Eye-Fi] is set to ☑ (on).
Eye-Fi •	Eye-Fi communication waiting. The camera is not communicating when [Eye-Fi] is set to   (on).
Eye-Fi	Eye-Fi communication prohibited. [Eye-Fi] is set to □ (off).
Eye-Fi	Eye-Fi version error. The version of the Eye-Fi card is out of date.

- \* 17 disappears if any operation is not performed for two seconds.
- \* 19 depends on the [D-Range Setting] setting in the [ ☐ Rec. Mode] menu.

D:	When [Highlight Correction] is set to   ✓
<u>r</u>	When [Shadow Correction] is set to   ✓
D	When [Highlight Correction] and [Shadow Correction] are both set to   ✓

If [Highlight Correction] and [Shadow Correction] are both set to  $\Box$  (Off), nothing appears in 19.

\* Some indications may not appear depending on the shooting mode.

Histogram + Info/No Info Display in Still Picture Capture Mode
A1 to A18 and B3 appear when "Histogram + Info" is selected. Only B3
appears when "No Info" is selected.



- A1 Shooting mode (p.67)
- A2 Battery level indicator (p.34)
- A3 Face Detection icon (p.70)
- A4 Date Imprint setting (p.119)
- A5 EV Compensation (p.108)
- A6 Camera shake reduction icon (p.116)
- A7 Memory status (p.41)
- **A8** Remaining image storage capacity
- **A9** Flash Mode (p.100)
- **A10** Drive Mode (p.90, p.91)
- **A11** Focus Mode (p.102)

- **A12** Eye-Fi communication status (p.205)
- A13 Digital Zoom/ Intelligent Zoom icon (p.76)
- A14 Histogram (p.28)
- A15 Sensitivity (p.114)
- A16 World time setting (p.198)
- A17 D-Range Setting (p.109)
- A18 Recorded Pixels (p.106)
- A19 White Balance (p.110)
- A20 AE Metering (p.112)
- **B1** Shutter speed
- **B2** Aperture
- **B3** Focus frame (p.64)
- \* A6 varies depending on the following conditions.

(AUT))	When the shutter release button is pressed halfway with [Shake Reduction] in the [♠ Rec. Mode] menu set to ♥ (On).
(%)	When [Shake Reduction] is set to □ (Off) (If the camera shake is likely to occur, ♠♥ is indicated when the shutter button is pressed halfway.)

\* A12 changes as follows depending on the [Eye-Fi] setting in [ Setting] menu.

	Eye-Fi •))	During Eye-Fi communication. The camera is communicating or searching for the access point when [Eye-Fi] is set to 😿 (on).
	Eye-Fi •	Eye-Fi communication waiting. The camera is not communicating when [Eye-Fi] is set to
ĺ	Eye-Fi	Eye-Fi communication prohibited. [Eye-Fi] is set to □ (off).
	Eye-Fi <b>A</b>	Eye-Fi version error. The version of the Eye-Fi card is out of date.

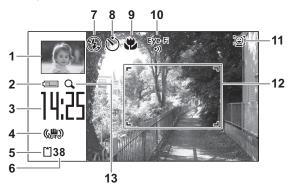
\* A17 depends on the [D-Range Setting] setting in the [ Rec. Mode] menu.

	C:	When [Highlight Correction] is set to   ✓
Γ	<u>r</u>	When [Shadow Correction] is set to   ✓
Γ	D	When [Highlight Correction] and [Shadow Correction] are both set to   ✓

If [Highlight Correction] and [Shadow Correction] are both set to □ (Off), nothing appears in A17.

- \* B1 and B2 appear only when the shutter release button is pressed halfway.
- \* When the shooting mode is **(Auto Picture)** and if you press the shutter release button halfway, the automatically selected shooting mode appears in A1 even when "No Info" is selected (p.72).
- \* Some indications may not appear depending on the shooting mode.

#### Simple Display + Subscreen in Still Picture Capture Mode



- 1 Subscreen image (p.208)
- **2** Battery level indicator (p.34)
- 3 Current time (p.47)
- 4 Camera shake reduction icon (p.116)
- **5** Memory status (p.41)
- **6** Remaining image storage capacity
- **7** Flash Mode (p.100)

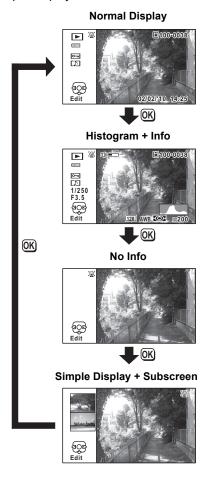
- 8 Drive Mode (p.90, p.91)
- 9 Focus Mode (p.102)
- **10** Eye-Fi communication status (p.205)
- 11 Face Detection icon (p.70)
- **12** Focus frame (p.64)
- 13 Digital Zoom/ Intelligent Zoom icon (p.76)
- \* 4 varies depending on the following conditions.

When the shutter release button is pressed halfway with [Shake Reduction] in the [♠ Rec. Mode] menu set to ☞ (On).
When [Shake Reduction] is set to □ (Off) (If the camera shake is likely to occur, ♠♥ is indicated when the shutter button is pressed halfway.)

- \* For 9, when the focus mode is set to **AF** and the Auto-Macro function is activated, the **♣** appears on the display (p.102).
- \* Some indications may not appear depending on the shooting mode.

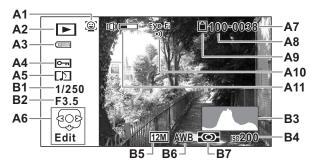
#### Display in **Mode**

The display shows the shooting information of the image in the playback mode. The display changes in the following sequence each time you press the **OK/DISPLAY** button: "Normal Display", "Histogram + Info", "No Info" and "Simple Display + Subscreen".



Normal Display/Histogram + Info Display in Playback Mode (All of the display items are displayed here for explanatory purposes.)

The display shows information such as the shooting conditions. A1 to A11 appear when "Normal Display" or "Histogram + Info" is selected. B1 to B7 appear only when "Histogram + Info" is selected.

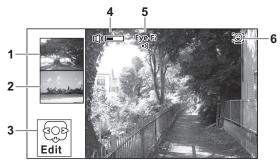


- A1 Face Detection icon (p.70)
- A2 Playback mode
  - ► : Still Picture (p.132)
  - **□** : Movie (p.133)
  - **□** : Sound (p.188)
- A3 Battery level indicator (p.34)
- A4 Protect icon (p.152)
- A5 Voice memo icon (p.191)
- A6 Four-way controller guide
- A7 File number
- A8 Folder number (p.203)

- A9 Memory status (p.41)
- **A10** Eye-Fi communication status (p.205)
- A11 Volume icon
- **B1** Shutter speed
- **B2** Aperture
- **B3** Histogram (p.28)
- **B4** Sensitivity (p.114)
- **B5** Recorded Pixels (p.106)
- **B6** White Balance (p.110)
- **B7** AE Metering (p.112)
- \* A1 appears only if the Face Detection function worked when the image was shot.
- \* In "Normal Display", A3 disappears if no operation is performed for two seconds.
- \* A6 appears even when "No Info" is selected, but disappears if no operation is performed for two seconds. When no operation is performed for two seconds in "Normal Display" or "Histogram + Info", only "Edit" disappears.

\* A11 appears only when the volume is being adjusted during playback of movies, sound files or voice memo (p.133, p.188, p.191).

#### Simple Display + Subscreen in Playback Mode



- 1 Next image
- 2 Previous image
- 3 Four-way controller guide
- 4 Volume icon

- **5** Eye-Fi communication status (p.205)
- 6 Face Detection icon (p.70)

#### **Guide Indications**

A guide for each available button operation appears as follows on the display during operation.

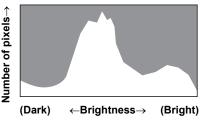
MENU	MENU button
<b>•</b>	Four-way controller (▶)
◀	Four-way controller (◀)
▼	Four-way controller (▼)
<b>A</b>	Four-way controller (▲)

Q,	Zoom lever
OK	OK/DISPLAY button
SHUTTER	Shutter release button
◉, ໝ	Green/ m button
( <u>0</u> ), <u>Q</u>	© button

#### **Using the Histogram**

A histogram shows the brightness distribution of an image. The horizontal axis represents brightness (dark at the left and bright at the right) and the vertical axis represents the number of pixels.

The shape of the histogram before and after shooting tells you whether the brightness and



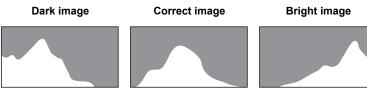
contrast are correct or not, and lets you decide if you need to use EV compensation and take the picture again.

Setting the Exposure (EV Compensation) 

□ p.108

#### **Understanding Brightness**

If the brightness is correct, the graph peaks in the middle. If the image is too dark, the peak is on the left side, and if it is too bright, the peak is on the right side.



When the image is too dark, the part to the left is cut off (dark portions) and when the image is too bright, the part to the right is cut off (bright portions).

#### **Understanding Contrast**

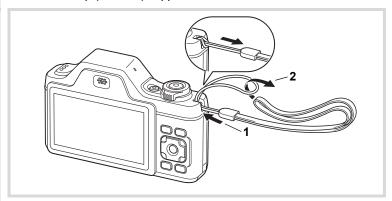
The graph peaks gradually for images in which contrast is balanced. The graph peaks on both sides but sinks in the middle for images with a large difference in contrast and low amounts of mid-level brightness.

# Getting Started

Attaching the Strap	30
Powering the Camera	31
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Turning the Camera On and Off	<b>4</b> 1
Initial Settings	43

# **Attaching the Strap**

Attach the strap (O-ST20) supplied with the camera.



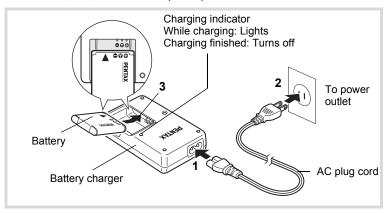
- Pass the narrow end of the strap through the strap lug.
- Pass the other end of the strap through the loop and pull tight.

1

# **Charging the Battery**

Use the supplied battery charger (D-BC92) to charge the supplied rechargeable lithium-ion battery (D-LI92) before using it in the camera for the first time or after a long period of non-use, or when the [Battery depleted] message appears.

Note: AC plug cord "Listed, Type SPT-2 or NISPT-2, 18/2 flexible cord, rated 125 V, 7A, minimum 6 ft (1.8 m)"



- Connect the AC plug cord to the battery charger.
- Plug the AC plug cord into the power outlet.
- Place the battery in the battery charger so that the PENTAX logo is facing up.

The charging indicator lights while the battery is charging and turns off when charging is finished.

Remove the battery from the battery charger when charging is finished.



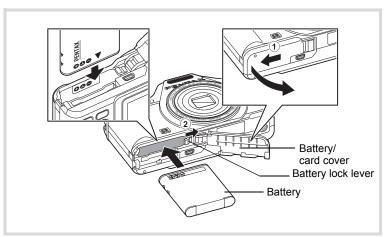
- Do not use the supplied battery charger (D-BC92) to charge batteries other than the rechargeable lithium-ion battery D-LI92, as the battery charger may overheat or be damaged.
- The battery has reached the end of its service life when it starts to run down soon after being charged. Replace it with a new battery.
- If the battery is inserted correctly but the charging indicator fails to light, the battery may be faulty. Replace it with a new battery.



The time required to fully charge the battery is about 120 minutes (max.). (The charging time may vary depending on the ambient temperature and charging conditions.) The appropriate ambient temperature for charging the battery is 0°C to 40°C (32°F to 104°F).

## Installing the Battery

Use the rechargeable lithium-ion battery D-LI92 that is provided with the camera. Charge the battery before using it in the camera for the first time.



## Open the battery/card cover.

Slide the battery/card cover outward (1).

Press the battery lock lever in the direction of ② and insert the battery so that the PENTAX logo is facing toward the screen display.

Match the marks on the battery to the marks inside the battery compartment and push the battery in until it is locked in place.



Make sure that the battery is inserted with the PENTAX logo pointing toward the screen display. If the battery is incorrectly oriented, malfunction may result.

Close the battery/card cover.

Close the battery/card cover and slide it inward.

#### Removing the Battery

- Open the battery/card cover.
- Press the battery lock lever in the direction of ②.

  The battery will be ejected. Take care not to drop the battery when removing it.



- This camera uses a rechargeable lithium-ion battery D-LI92. Use of any other type of battery may damage the camera and cause malfunction.
- Insert the battery correctly. If the battery is incorrectly oriented, malfunction may result.
- · Do not remove the battery while the camera is turned on.
- When storing the battery for more than 6 months, charge the battery for 30 minutes using the battery charger and store the battery separately.
  - Be sure to recharge the battery every 6 to 12 months. Storing the battery below room temperature is ideal. Avoid storing it in high temperatures.
- The date and time may be returned to the default setting if the camera is left without the battery for a long time.
- Be careful as the camera or the battery may become hot when the camera is used continuously for a long period of time.

# Image Storage Capacity, Movie Recording Time, Sound Recording Time, and Playback Time

(at 23°C with the display on and the battery fully charged)

Image Storage Capacity*1 (flash used for 50% of shots)	Movie Recording Time <sup>*2</sup>	Sound Recording Time <sup>*2</sup>	Playback Time <sup>*2</sup>
Approx. 250 pictures	Approx. 100 min.	Approx. 350 min.	Approx. 300 min.

- \*1 Recording capacity shows the approximate number of shots recorded during CIPA-compliant testing (with display on, flash used for 50% of the shots, and 23 degrees centigrade/73 degrees Fahrenheit). Actual performance may vary according to operating conditions.
- \*2 According to the result of in-house testing.



- In general, battery performance may temporarily deteriorate as the temperature decreases.
- · Be sure to take a spare battery with you when traveling abroad or to a cold region, or if you intend to take a lot of pictures.

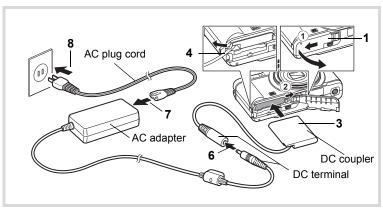
#### · Battery Level Indicator

You can check the battery level by the indicator on the display.

Screen Display	Battery Status
(green)	Adequate power remains.
(green)	Battery is running low.
(yellow)	Battery is running very low.
(red)	Battery is exhausted.
[Battery depleted]	The camera will turn off after this message appears.

## Using the AC Adapter

Use of the optional AC adapter kit (K-AC92) is recommended if you intend to use the camera for a long time or connect it to a computer.



- Make sure that the camera is turned off and open the battery/card cover.
- 2 Remove the battery.

Refer to p.32 - p.33 on how to open/close the battery/card cover and remove the battery.

Insert the DC coupler while holding down the battery lock lever.

Confirm the DC coupler is locked in place.

4 Extract the DC coupler cord.

> Pull out the tab located on the side (the battery/card cover side) of the camera so that the DC coupler cord can be extracted from here.

5 Close the battery/card cover.

# Connect the DC terminal of the AC adapter to the DC terminal of the DC coupler.

Connect the AC plug cord to the AC adapter.

Plug the AC plug cord into the power outlet.



8

- Make sure that the camera is turned off before connecting or disconnecting the AC adapter.
- Make sure that the AC plug cord and the DC terminal connecting the AC adapter to the camera are inserted securely. Data may be lost if either becomes disconnected while data is being recorded on the SD Memory Card or the built-in memory.
- Use the AC adapter with due care to avoid fire or electric shock.
   Be sure to read "About the Battery Charger and the AC Adapter" (p.2) before using the AC adapter.
- Be sure to read the operation manual accompanying the AC adapter kit K-AC92 before using the adapter.
- When connecting the AC adapter, do not place the camera with the lens facing down because the lens extends when the camera turns on.

# **Installing the SD Memory Card**

This camera uses either an SD Memory Card or an SDHC Memory Card. (Both cards are referred to as SD Memory Cards hereafter.) Captured images and sound files are saved on the SD Memory Card if a card is inserted in the camera. They are saved in the built-in memory if a card is not inserted (p.41).



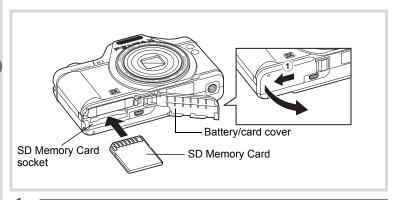
- Be sure to use this camera to format (initialize) an SD Memory Card that is unused or has been used on other cameras or digital devices. Refer to "Formatting an SD Memory Card" (p.194) for instructions on formatting.
- Make sure that the camera is turned off before inserting or removing the SD Memory Card.



- The still picture storage capacity varies depending on the capacity of the SD Memory Card and the selected number of recorded pixels and quality level (p.40).
- The self-timer lamp blinks while the SD Memory Card is being accessed (data is being recorded or read).

#### **Backing Up Data**

The camera may not be able to access data in the built-in memory in the case of a malfunction. Use a computer or other device to back up important data in another location.



- Open the battery/card cover. Slide the battery/card cover outward (1).
- 2 Insert the SD Memory Card into the SD Memory Card socket so that the label is facing toward the back of the camera (the side with the display).

Push the card in all the way. Data may not be recorded correctly if the card is not inserted all the way.

3 Close the battery/card cover.

Close the battery/card cover and slide it inward.

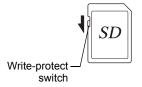
#### To Remove the SD Memory Card

- Open the battery/card cover.
- Push the card into the SD Memory Card socket to eject it.

Pull the card out.

#### **Precautions When Using an SD Memory Card**

 The SD Memory Card is equipped with a writeprotect switch. Setting the switch to LOCK prevents new data from being recorded on the card, the stored data from being deleted, and the card from being formatted by the camera or computer.



appears on the display when the card is write-protected.

- Care should be taken when removing the SD Memory Card immediately after using the camera, as the card may be hot.
- Keep the card cover closed and do not remove the SD Memory Card or turn
  the camera off while the image is being played back or saved to the card, or
  the camera is connected to a computer with the USB cable, as this may cause
  the data to be lost or the card to be damaged.
- Do not bend the SD Memory Card or subject it to violent impact. Keep it away from water and store away from high temperature.
- Keep the card cover closed and do not remove the SD Memory Card during formatting as this may damage the card and render it unusable.
- The data on the SD Memory Card may be deleted in the following circumstances. We do not accept any liability for data that is deleted
  - (1) when the SD Memory Card is mishandled by the user.
  - (2) when the SD Memory Card is exposed to static electricity or electrical interference.
  - (3) when the SD Memory Card has not been used for a long time.
  - (4) when the SD Memory Card is ejected or the battery is removed while the data on the card is being recorded or accessed.
- If it is not used for a long time, the data on the card may become unreadable.
   Be sure to regularly make a backup of important data on a computer.
- Avoid using or storing the card where it may be exposed to static electricity or electrical interference.
- Avoid using or storing the card in direct sunlight or where it may be exposed to rapid changes in temperature or to condensation.
- When using an SD Memory Card with a slow recording speed, recording may stop while you are taking movies even when there is adequate space in the memory, or shooting and playback may take a long time.
- Be sure to format SD Memory Cards that are unused or have been used on another camera. Refer to "Formatting an SD Memory Card" (p.194).

# Number of Images Recordable on an SD Memory Card

The sizes of the recorded images differ depending on the number of recorded pixels of the images, so the number of images that will be saved on an SD Memory Card also differs.

Choose the appropriate number of recorded pixels for still pictures on the **[** Rec. Mode] menu.

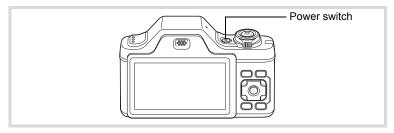
Selecting the Number of Recorded Pixels ™p.106

Choose the appropriate number of recorded pixels and frame rate in [Movie] on the [ Rec. Mode] menu.

Selecting the Recorded Pixels and Frame Rate for Movies ™p.125

For an approximate guide to the number of images or the length of recorded movies that can be saved on an SD Memory Card, see "Main Specifications" (p.254).

# **Turning the Camera On and Off**



#### Press the power switch.

The camera turns on and the display turns on.

When you turn the camera on, the lens cover opens and the lens extends.

If the [Language/言語] screen or [Date Adjustment] screen appears when you turn the camera on, follow the procedure on p.43 to set the display language and/or current date and time.

## **2** Press the power switch again.

The display turns off, the lens closes, and the camera turns off.

Taking Still Pictures ™p.64

#### **Checking the SD Memory Card**

The SD Memory Card is checked when the camera turns on and the memory status is displayed.

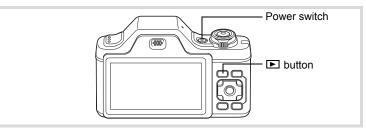
	The SD Memory Card is inserted. Images and sound files will be saved on the SD Memory Card.
	The SD Memory Card is not inserted. Images and sound files will be saved in the built-in memory.
[];	The write-protect switch on the SD Memory Card is in the LOCK position (p.39). Images and sounds cannot be recorded.



Memory status

## Starting-up in the Playback Mode

If you want to play back images or sound files straightaway without taking any pictures, you can start up the camera in the playback mode.



# Press the power switch while holding down the button.

The display turns on with the lens retracted and the camera turns on in the playback mode.



To switch from the playback mode to the capture mode, press the button or press the shutter release button halfway.

Playing Back Still Pictures ™p.132

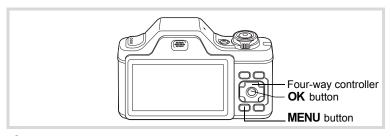
# **Initial Settings**

The [Language/言語] screen appears when the camera is turned on for the first time. Perform the operations in "Setting the Display Language" below to set the language, and in "Setting the Date and Time" (p.47) to set the current date and time.

The language, date, and time can be changed later. Refer to the pages below for instructions.

- To change the language, follow the steps in "Changing the Display Language" (\$\sip\$p.202).
- To change the date and time, follow the steps in "Changing the Date and Time" (Parp. 196).

#### **Setting the Display Language**



Use the four-way controller (▲▼◀►) to choose the display language.

Lannuage/	= ==	
Language/		
English	日本語	Türkçe
Français	Dansk	Ελληνικά
Deutsch	Svenska	Русский
Español	Suomi	ไทย
Português	Polski	한국어
Italiano	Čeština	中文繁體
Nederlands	Magyar	中文简体
MENU Cancel		окок

#### Press the OK button.

The [Initial Setting] screen appears in the selected language. If the desired settings for [Hometown] and [DST] (Daylight Saving Time) appear, proceed to Step 3.

Proceed to "To Set Hometown and DST" (p.46) if the desired settings do not appear.



Daylight saving time

Press the four-way controller (▼) twice to select [Settings complete].



#### Press the OK button.

The [Date Adjustment] screen appears. Set the date and time by following the procedure in "Setting the Date and Time" (p.47).

If you accidentally select the wrong language and proceed to the next procedure, perform the following operation to set the desired language.

- When the Wrong Language Has Been Inadvertently Selected
- **1** Press the four-way controller (▶).
- 2 Use the four-way controller (▲ ▼ ◀ ▶) to select the language and press the OK button.

The [Initial Setting] screen appears in the selected language.

- When the Screen After Step 2 Appears in the Wrong Language
- **1** Press the MENU button.

The setting screen is canceled and the camera is set to still picture capture mode.

Press the MENU button.

The [ Rec. Mode] menu appears.

- **3** Press the four-way controller (▶).
- **4** Use the four-way controller (▼▲) to select [Language/言語].
- **5** Press the four-way controller (▶).

The [Language/言語] screen appears.

- Use the four-way controller (▲ ▼ ◀ ▶) to select the language.
- Press the OK button.

The [ Setting] menu appears in the selected language.

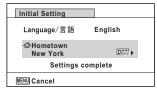
The language is now switched to your desired language. To reset [Hometown], [Date] and [Time], refer to the pages below for instructions.

- To change [Hometown], follow the steps in "Setting the World Time" (\$\sip\$,198).
- To change the [Date] and [Time], follow the steps in "Changing the Date and Time" (P. 196).

#### To Set Hometown and DST

Press the four-way controller (▼).

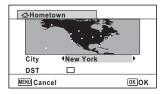
The frame moves to [☎ Hometown].



Press the four-way controller (►).

The [ Hometown] screen appears.

Use the four-way controller (◄►) to choose a city.



Press the four-way controller (▼).

The frame moves to [DST] (Daylight Saving Time).

- Juse the four-way controller (◄►) to select v or □.
- Press the OK button.

The [Initial Setting] screen reappears.

Press the four-way controller (▼) to select [Settings complete].



Press the OK button.

The [Date Adjustment] screen appears. Next, set the date and time.

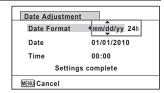
The video output format (NTSC/PAL) is set to the format of the city selected in [Hometown] on the [Initial Setting] screen. Refer to "List of World Time Cities" (p.251) for the video output format of each city set as the initial setting, and "Changing the Video Output Format" (p.204) for changing the setting of the video output format.

## **Setting the Date and Time**

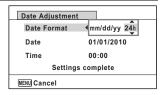
Set the current date and time and the display style.

- Press the four-way controller (▶).
  The frame moves to [mm/dd/vv].
- Use the four-way controller (▲ ▼) to choose the date and time display style.

Choose from [mm/dd/yy], [dd/mm/yy] or [yy/mm/dd].



- Press the four-way controller (►).
  The frame moves to [24h].
- Use the four-way controller (▲▼) to select [24h] (24-hour display) or [12h] (12-hour display).

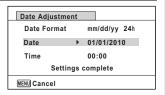


**7** Press the four-way controller (▶).

The frame returns to [Date Format].

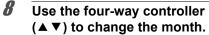
Press the four-way controller (▼).

The frame moves to [Date].



# Press the four-way controller (▶).

The frame moves to the month.



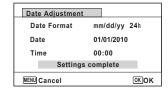
Change the day and year in the same manner.

Next, change the time.

If you selected [12h] in Step 4, the setting switches between am and pm corresponding to the time.

Date Adjustment	
Date Format	mm/dd/yy 24h
Date	01/01/2010
Time	00:00
Settings	complete
MENU Cancel	

Press the four-way controller (▼) to select [Settings complete].



#### Press the OK button.

This confirms the date and time.



If you press the **OK** button in Step 10, the camera clock is reset to 00 seconds. To set the exact time, press the **OK** button when the time signal (on the TV, radio, etc.) reaches 00 seconds.



When the [Initial Setting] or [Date Adjustment] screen is displayed, you can cancel the setting operation and switch to the capture mode by pressing the **MENU** button. In this case, the [Initial Setting] screen will appear next time you turn the camera on.

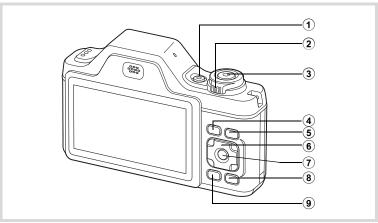
[Language/言語], [Date], [Time], [Hometown] and [DST] can be changed. Refer to the pages below for instructions.

- To change the language, follow the steps in "Changing the Display Language" (☞p.202).
- To change the date and time, follow the steps in "Changing the Date and Time" (\*\*p.196).
- To change the city or turn DST on and off, follow the steps in "Setting the World Time" (sep.198).

# Common Operations

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#### **△** Mode



#### 1 Power switch

Turns the camera on and off (p.41).

#### 2 Zoom lever

Changes the captured area (p.76).

#### 3 Shutter release button

Focuses the camera on the subject when pressed halfway in still picture capture mode (except in **PF**, **\( \Ldot\)** and **MF** modes). Takes a still picture when pressed down fully (p.65). Starts and stops movie recording in **(P)** (Movie) mode (p.123). Starts and stops sound file recording in Voice Recording (p.187).

#### (4) **b** button

Switches to the mode (p.54).

#### 5 @ button

Switches the Face Detection function (p.70). The Face Detection function is switched as follows each time the 2 button is pressed: Smile Capture  $\rightarrow$  Face Detection Off  $\rightarrow$  Face Detection On

#### **(6)** Four-way controller

- Changes the drive mode (p.90, p.91).
- Displays the Capture Mode Palette (p.67).
- Changes the flash mode (p.100).
- Changes the focus mode (p.102).
- Adjusts the focus when the focus mode is set to MF (p.103).

#### **(7**) **OK/DISPLAY** button

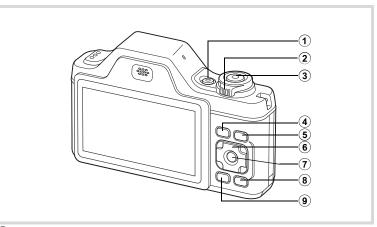
Changes the information on the display (p.20).

#### (8) **Green button**

Switches to the **●** (Green) mode (p.74). Calls up the assigned function (p.120).

#### 9 **MENU** button

Displays the [ Rec. Mode] menu (p.56).



#### **1** Power switch

Turns the camera on and off (p.41).

#### **(2**) Zoom lever

Turn to the left (➡) during single-image display to change to six-image display. Changes to twelve-image display when turned to the left again. Returns to the previous display when turned to the right  $(\mathbf{Q})$  (p.134). Enlarges the image when turned to the right (Q) during single-image display. Returns to the previous display when turned to the left ( ) (p.142).

Turn to the left (➡) during twelve-image display to change to folder or calendar display (p.135).

Turn to the right  $(\mathbf{Q})$  during folder/calendar display to change to twelve-image display (p.135).

Adjusts the volume during playback of movies, sound files or voice memo (p.133, p.188, p.191).

#### **3** Shutter release button

Switches to mode (p.54).

#### **(4**) **▶** button

Switches to **n** mode (p.54).

#### **(5**) button

Zooms in on the subject's faces in the face-detected image in the order the faces were detected when the picture was taken. (Face close-up playback) (p.144)

#### **(6)** Four-way controller

- Plays back and pauses a movie or sound file (p.133, p.188). Displays the Playback Mode Palette (p.136).
  - Stops a movie or sound file during playback (p.133, p.188).
- Displays the previous or next image or sound file during single-image display (p.132).

Fast-forwards, fast-reverses, frame forwards, frame reverses, reverses a movie and makes a movie play forwards during playback (p.133).

Fast-forwards, fast-reverses, and moves to the next index in sound file playback (p.188).

Selects an image in six-/twelve-image display, a folder in folder display, and a date in calendar display (p.134, p.135). Moves the display area during zoom display (p.142). Moves the image when using the Frame Composite function (p.167).

> Adjusts the position of a frame or an image when you are using the Original Frame function (p.171, p.174).

#### **(7**) OK/DISPLAY button

Changes the information on the display (p.25).

Returns to single-image display during six-/twelve-image display or zoom display (p.134, p.142).

Changes to twelve-image display of the selected folder during folder display (p.135).

Changes to single-image display of the selected date during calendar display (p.136).

#### (8) Green/m button

Switches from single-image display to the Delete screen (p.146). Switches from six-/twelve-image display to the Select & Delete screen (p.148).

Switches from folder display to the calendar display screen (p.135). Switches from calendar display to the folder display screen (p.135).

#### 9 MENU button

Displays the [ Setting] menu during single-image display (p.56). Returns to single-image display during Playback Mode Palette display (p.136).

Returns to single-image display during six-/twelve-image display or zoom display (p.134).

Changes to twelve-image display of the selected folder during folder display (p.135).

Changes to twelve-image display of the selected date during calendar display (p.135).

## Switching Between 🗅 Mode and 🕒 Mode

In this manual, the capture mode, such as for taking still pictures, is referred to as " mode" (the capture mode). The playback mode, such as for displaying captured images on the display, is referred to as " mode" (the playback mode). In mode, you can perform simple editing operations on the captured images.

Follow the procedure below to switch between **n** mode and **n** mode.

#### To Switch from Mode to Mode

Press the **b** button.

The camera switches to **b** mode.

#### To Switch from 🕒 Mode to 🗖 Mode

Press the button or the shutter release button halfway.

The camera switches to 
mode.

#### Displaying data stored in the built-in memory

When an SD Memory Card is inserted in the camera, images, movies, and sounds on the SD Memory Card are displayed. If you want to display images, movies and sounds in the built-in memory, turn the camera off and remove the SD Memory Card, or follow the procedure below to use the "Built-in memory display" function.



Make sure that the camera is turned off before inserting or removing the SD Memory Card.

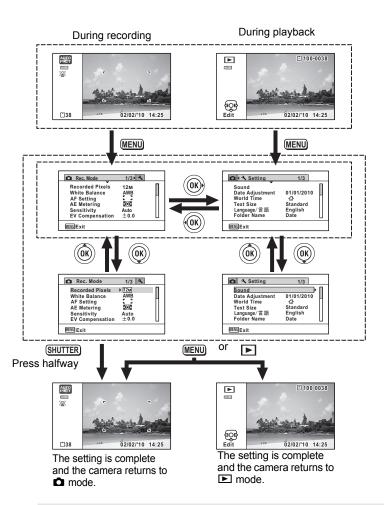
- Viewing images in the built-in memory while the SD Memory Card is inserted (built-in memory display)
  - When you press and hold down the **b** button for more than one second in mode, the lens is retracted. After the message [Displays image/sound] from built-in memory] appears, images, movies and sound files stored in the built-in memory are displayed.
  - · In the built-in memory display, you can play back still pictures (including enlarged display) (p.132, p.142), movies (p.133) and sounds (p.188), and switch between six-/twelve-image display, folder display and calendar display (p.134).
  - In the built-in memory display, you cannot delete data, delete a selection, display the Playback Mode Palette or display the menu. If you want to perform any of these operations on images, movies or sounds in the builtin memory, do so after removing the SD Memory Card.

# Setting the Camera Functions

To change the camera settings, press the **MENU** button to display the [ ☐ Rec. Mode] menu or [ Setting] menu. Menus for playing back and editing images and sound files are displayed from the Playback Mode Palette (p.136).

### **Operating the Menus**

Press the **MENU** button in **n** mode to display the **n** Rec. Mode] menu. Press the **MENU** button in **▶** mode to display the [ **♦** Setting] menu. Use the four-way controller (◀▶) to switch between [♠ Rec. Mode] menu and [ Setting] menu.





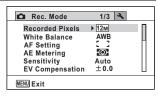
Available button operations appear on the display during menu operation (p.27).

Press the MENU button in n mode.

The [ Rec. Mode] menu appears.

Press the four-way controller (▼).

The frame moves to [Recorded Pixels].



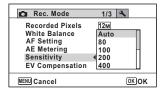
**3** Press the four-way controller (▼) four times.

The frame moves to [Sensitivity].

Press the four-way controller (►).

A pull-down menu appears with the items that can be selected.

The pull-down menu displays only those items that can be selected with the current camera settings.



- Use the four-way controller (▲ ▼) to change the setting.
  The sensitivity changes each time the four-way controller (▲ ▼) is pressed.
- Press the OK button or the four-way controller (◄).

  The setting is saved and then the camera is ready for setting the other functions.

To exit the settings, press the **MENU** button.

To use another operation, refer to the following alternate Step 6 options.

#### To Save the Setting and Start Taking Pictures

**f** Press the shutter release button halfway.

The setting is saved and the camera returns to capture status. When the shutter release button is pressed fully, the picture is taken.



When the [戊 Setting] menu is displayed from ▶ mode, you can switch to ♠ mode by pressing the ▶ button.

#### To Save the Setting and Start Playback of Images

f Press the ▶ button.

When the [ Rec. Mode] menu is displayed from mode, the setting is saved and the camera returns to playback status.

#### To Cancel the Changes and Continue with Menu Operations

Press the MENU button.

The changes are canceled and the screen shown in Step 3 reappears.

memo

The **MENU** button function differs depending on the screen. Refer to the guide indications.

MENU Exit Exits the menu and returns to the original screen.

MENU Setting. Returns to the previous screen with the current setting.

MENU Cancel Cancels the current selection, exits the menu and

returns to the previous screen.

#### **Menu List**

This displays the items that can be set with the menus and provides descriptions of each item. See the list of default settings in the Appendix "Default Settings" (p.246) to check whether the settings are saved when the camera is turned off and whether the settings return to the defaults when the camera is reset.

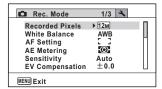
#### [ Rec. Mode] Menu

This menu shows the functions related to taking still pictures and recording movies.

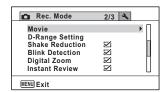
	Item	Description	Page
Recorded Pixels		For choosing the number of recorded pixels of still pictures	p.106
White Balance		For adjusting the color balance according to the lighting conditions	p.110
Setting	Focusing Area	For changing the area of the autofocus	p.104
AF S	Focus Assist	For choosing whether or not to use the Focus Assist function.	p.105
ΑE	Metering	For setting the area of the screen that is metered to determine the exposure	p.112
Se	nsitivity	For setting the sensitivity	p.114
ΕV	Compensation	For adjusting the overall brightness of the picture	p.108
vie	Recorded Pixels	For choosing the number of recorded pixels of movies	p.125
Movie	Movie SR	For choosing whether or not to use the movie shake reduction function	p.126
Setting	Highlight Correction	Adjusts the bright areas when the image is too bright	n 100
D-Range Setting	Shadow Correction	Adjusts the dark areas when the image is too dark	p.109
Shake Reduction		For correcting camera shake during shooting.	p.116
Blink Detection		For choosing whether to use the Blink Detection function when the Face Detection function worked	p.115
Digital Zoom		For choosing whether or not to use the Digital Zoom function	p.77
Instant Review		For choosing whether to display Instant Review	p.117
Memory		For choosing whether to save the set values of the shooting function or return to the defaults when the camera is turned off	p.128

Green Button	For assigning a function to the Green button in node	p.120
Sharpness	For choosing sharp or soft outlines	p.117
Saturation	For setting the color saturation	p.118
Contrast	For setting the image contrast level	p.119
Date Imprint	For choosing whether to imprint the date and/or time when taking still pictures	p.119

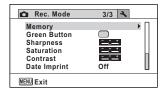
#### • [ Rec. Mode] Menu 1



#### • [ Rec. Mode] Menu 2



#### • [ Rec. Mode] Menu 3





- Use the (Green) mode to enjoy easy picture-taking using standard settings, regardless of the settings in the [ Rec. Mode] menu (p.74).
- · Assigning a frequently used function to the Green button enables you to go straight to the desired function (p.120).

#### [ Setting] Menu

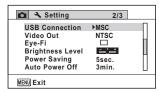
Item	Description	Page
Sound	For adjusting the operation volume and playback volume, and setting the start-up sound, shutter sound, key operation sound and self-timer sound	p.195
Date Adjustment	For adjusting the date and time	p.196
World Time	For setting the Hometown and Destination	p.198
Text Size	For setting the text size of the menu.	p.201

Item	Description	Page
Language/言語	For setting the language in which menus and messages appear	p.202
Folder Name	For choosing how names are assigned to folders for storing images and sound files	p.203
USB Connection	For setting the USB connection mode (MSC or PTP) when connected to a computer via the USB cable	p.219
Video Out	For setting the output format to AV equipment	p.204
Eye-Fi	For setting whether or not to use Eye-Fi communication.	p.205
Brightness Level	For changing the brightness of the display	p.206
Power Saving	For setting the time until the camera enters power- saving mode	p.206
Auto Power Off	For setting the time until the camera turns off automatically	p.207
Reset	For returning settings to their defaults	p.211
Delete All	For deleting all the saved images and sound files at once	p.150
Pixel Mapping	For mapping out and correcting for defective pixels in the CCD sensor	p.210
Format	For formatting the SD Memory Card	p.194

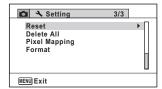
#### [¾ Setting] Menu 1



# [¾ Setting] Menu 2



## ● [¾ Setting] Menu 3

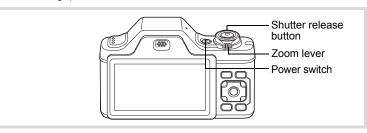


# 3 Taking Pictures

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#### **Taking Pictures**

The Optio I-10 features a wide range of shooting modes and functions to suit almost any subject or scene. This chapter describes how to take pictures with the most commonly used standard settings (the factory default settings).



#### Press the power switch.

The camera turns on and is ready to take still pictures. In this manual, this is called "still picture capture mode".

# **2** Confirm the subject and shooting information on the display.

The focus frame in the middle of the display indicates the zone of automatic focusing.

When the camera detects a person's face, the Face Detection function is activated and the face detection frame appears (p.70).



Focus frame

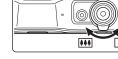


Face detection frame

You can change the captured area by turning the zoom lever to the left or right (p.76).

Right (♣) Enlarges the subject.

Left ( ••• ) Widens the area that is captured by the



camera. Press the shutter release button halfway.

> The camera emits Focus Assist light in dark shooting situations (p.105). The focus frame (or face detection frame) on the display turns green when the camera focuses on the subject at the correct distance.



Press the shutter release button fully.

The picture is taken.

The flash discharges automatically depending on the light conditions. The image appears on the display (Instant Review: p.67) and is saved to the SD Memory Card or the built-in memory.



Press the Green button to switch to the (Green) mode and let the camera set all the shooting functions automatically (p.74).

#### **Using the Shutter Release Button**

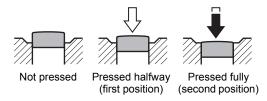
The shutter release button works in a two-step action as follows.

#### Press halfway

This refers to pressing the shutter release button gently to the first position. This locks the focus setting and the exposure. The green focus frame lights on the display when the shutter release button is pressed halfway and the subject is in focus. If the subject is out of focus, the frame turns white.

#### 3 Press fully

This refers to pressing the shutter release button all the way down to the fully depressed position. This takes a picture.



#### Poor focusing conditions

The camera may not be able to focus under the following conditions. In these cases, lock the focus on an object the same distance away as the subject (by pressing and holding the shutter release button halfway), then aim the camera at your subject and press the shutter release button fully.

- · Objects that lack contrast such as a blue sky or white wall
- · Dark places or objects, or conditions that prevent light being reflected back
- Horizontal lines or intricate patterns
- · Fast moving objects
- When there is an object in the foreground and an object in the background in the captured area
- Strongly reflected light or strong backlighting (bright background)

#### Instant Review and Blink Detection

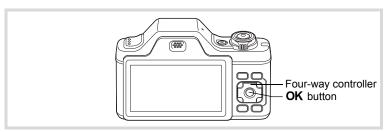
The image appears on the display immediately after it is captured (Instant Review). If the camera detects that the subject's eyes are closed while the Face Detection function (p.70) is activated, the message [Closed eyes have been detected] appears for 3 seconds (Blink Detection).



- When the Face Detection function does not work, Blink Detection also does not function. Even if the subject's faces are detected, Blink Detection could not function depending on the condition of the detected faces.
- You can also disable the Blink Detection function (p.115).

#### **Setting the Shooting Mode**

The Optio I-10 has a variety of shooting modes that let you take pictures or record movies in different situations simply by choosing the appropriate mode for the particular situation from the Capture Mode Palette.



- Press the four-way controller (▼) in the Capture Mode Palette appears.
- Use the four-way controller (▲ ▼ ◀ ▶) to choose a shooting mode.

When an icon is selected in the Capture Mode Palette, the selected shooting mode guide appears.



#### 3 Press the OK button.

The shooting mode is selected and the camera returns to capture status.



There are 24 shooting modes which can be selected from the Capture Mode Palette.

Ģ	Shooting Mode	Description	Page
AUTO PICT	Auto Picture	Automatically selects the best capture mode.	p.72
P	Program	Used for basic shooting. Various functions can also be set with this mode.	p.73
僵	Night Scene	For night time images. Use of a tripod or other support is suggested.	p.78
4	Night Scene Portrait	For images of people at night. Use of a tripod or other support is advised.	p.78
•	Half-length Portrait	For portraits with proper framing by automatic zoom.	p.80
<b>,22</b>	Movie	For recording movies.	p.123
*	Landscape	For capturing landscape views. Enhances colors of sky and foliage.	_
*	Flower	For images of flowers. The outline of the flower is softened.	_
Ø	Portrait	For capturing portraits. Reproduces a healthy and bright skin tone.	p.80
	Surf & Snow	For bright images such as sand or snow. Accurately meters for bright scenes.	p.85
*	Sport	For a fast moving subject. Tracks the subject until the picture is taken.	p.85
<b>(2)</b>	Digital SR	Higher sensitivity reduces blur.	p.78
*	Kids	For capturing moving kids. Reproduces a healthy and bright skin tone.	p.81
	Pet	Automatically detects and captures a pet's full face.	p.82
¥1	Food	For images of food and prepared dishes. Enhances saturation and contrast.	
*	Fireworks	For capturing fireworks. Use of a tripod or other support is suggested.	p.78

Shooting Mode		Description	Page
0	Frame Composite	For capturing images with a frame.	p.88
Ÿ	Party	For capturing images at parties or in dim light.	p.86
	Natural Skin Tone	For images of people. Enhances skin tones while smoothing blemishes.	p.80
誉	Candlelight	For capturing scenes in candlelight.	p.78
A	Text	Captures text in an easy to read manner. Text contrast can be adjusted.	p.87
	Blog	Captures images for blogs or email. The number of recorded pixels is fixed at 640 (640×480).	_
WIDE	Digital Wide	Stitches two pictures together to create a wider image.	p.94
	Digital Panorama	Stitches images taken with the camera to create a panoramic photograph.	p.97

In addition to the modes listed above, (Green) mode (p.74) and Voice Recording (p.186) are also available.



- saturation, contrast, sharpness, white balance, etc. are automatically set to the optimal settings for the selected mode.
- Some functions may not be available or may not work fully depending on the selected shooting mode. For details, refer to "Functions Available for Each Shooting Mode" (p.240).

## **Using the Face Detection Function**

When the camera detects a person's face in the image, the Face Detection function displays a yellow frame (Face detection frame) around the face on the display screen, sets the focus (Face Detection AF) and compensates the exposure (Face Detection AE).

If the subject in the face detection frame moves, the frame also moves and changes its own size as it tracks the face.

The Face Detection function can detect up to 32 people's faces. If it detects multiple faces, the camera displays a yellow frame over the main face and white frames over the other face(s). It can display up to a total of 31 frames (up to 30 frames in Halflength Portrait mode), including a main frame and white frame(s).



Face detection frame

# When the multiple faces are detected



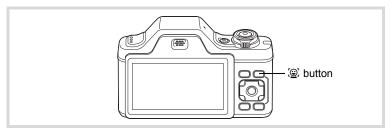
Main frame White frame



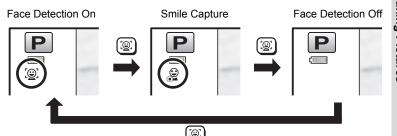
- Face Detection AF and AE may not work if the subject is wearing sunglasses, has part of their face covered or is not looking toward the camera.
- If the camera cannot detect the subject's face, the camera focuses using the setting currently selected in [Focusing Area].
- When the Smile Capture function is activated, the shutter may not be released automatically because the Smile Capture function may not work in some situations, such as when the detected face is too small.
- In the (Pet) mode, the Face Detection mode is switched to pet detection and the camera detects a registered pet's face.

#### To Switch the Face Detection Function

By default, the Face Detection function is set to Face Detection On. You can switch to the Smile Capture function, which automatically releases the shutter when your subject smiles. The Face Detection function is switched as follows each time the 2 button is pressed: Smile Capture  $\rightarrow$  Face Detection Off  $\rightarrow$  Face Detection On



An icon indicating either Face Detection or Smile Capture appears on the display. (The Face Detection Off icon only appears right after the Face Detection function is switched to off.)

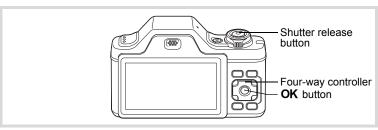




- The Face Detection function cannot be set to off in (Auto Picture). (Night Scene Portrait), (Half-length Portrait), (Portrait), 🕏 (Kids), 😘 (Pet) or 💇 (Natural Skin Tone) mode. You can select either Face Detection On or Smile Capture in these modes.
- Face Detection On is automatically selected in (Green), 
  (Auto Picture), P (Night Scene Portrait), (Half-length Portrait), (Movie), ② (Portrait), 炎 (Kids) or ② (Natural Skin Tone) mode. When switching to another mode from one of these modes, the Face Detection setting returns to the previous setting.
- If you use the Face Detection function when the flash mode is set to \$\frac{1}{2}\$. (Auto), the flash mode automatically changes to % (Flash On + Redeye).

## **Taking Pictures Automatically** (Auto Picture Mode)

In **(Auto Picture)** mode, the camera automatically selects the most appropriate mode depending on the situations and subjects.



- 1 Press the four-way controller (▼) in 
   mode.
  - The Capture Mode Palette appears.
- 2 Use the four-way controller (▲ ▼ ◀ ▶) to select .
- 3 Press the OK button.

The mode is selected and the camera returns to capture status. When the camera detects a person's face, the Face Detection function is activated and the face detection frame appears (p.70).



1 Press the shutter release button halfway.

The selected shooting mode is displayed on the top left of the screen.

AL PI	Portrait	ALTO PICE	Flower	ALTO PICE	Candlelight
ALTO PI	Landscape	AUTO	Sport	AU A	Night Scene
AUTO	Night Scene Portrait	PI PI	Others*		

The focus frame on the display turns green when the camera focuses on the subject at the correct distance.

\* This mode is selected when the suitable shooting mode is not determined.

#### 5 Press the shutter release button fully.

The picture is taken.

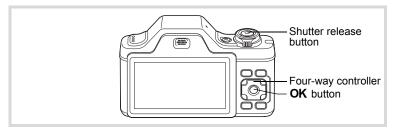


The following restrictions apply in a mode:

- · You cannot turn the Face Detection function off.
- The focusing area setting is fixed at [ ] (Multiple).
- The R (Flower) mode cannot be selected when using Digital Zoom or Intelligent Zoom.
- If the (Night Scene) mode is selected when the flash mode is \$\frac{1}{4}\$. (Auto) or A (Auto + Red-eye), the flash mode automatically changes to (Flash Off).
- If the (Night Scene Portrait) mode is selected when the flash mode is  $\frac{1}{4}$  (Auto), the flash mode automatically changes to  $\frac{9}{4}$  (Flash On + Red-eye) when the camera detects a face and determines that the flash is needed.

## Taking Pictures in the Custom Settings (Program Mode)

In P (Program) mode, the camera automatically sets the shutter speed and aperture for taking still pictures. However, you can change other settings such as the flash mode and the number of recorded pixels.



- Press the four-way controller (▼) in **□** mode. The Capture Mode Palette appears.
- 2 Use the four-way controller ( $\blacktriangle \lor \blacktriangleleft \blacktriangleright$ ) to select  $\blacksquare$ .

The P mode is selected and the camera returns to capture status. When the camera detects a person's face, the Face Detection function is activated and the face detection frame appears (p.70).



### 4 Set the functions you want to change.

Refer to "Setting the Shooting Functions" (p.100 - p.122) for details on how to set the functions.

## **5** Press the shutter release button halfway.

The focus frame on the display turns green when the camera focuses on the subject at the correct distance.

#### **f** Press the shutter release button fully.

The picture is taken.

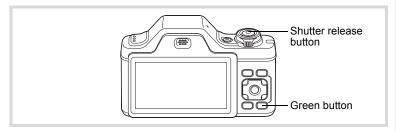
## Taking Pictures in the Basic Mode (Green Mode)

In lacktriangle (Green) mode, you can enjoy easy picture-taking using standard settings, regardless of the settings in the [lacktriangle Rec. Mode] menu.

The mode settings are as shown below.

Flash Mode	¼ (Auto)
Drive Mode	☐ (Standard)
Focus Mode	<b>AF</b> (Standard)
Face Detection	On
Information Display	Normal
Shake Reduction	☑ (On)
Recorded Pixels	12m (4000×3000)
White Balance	AWB (Auto)
Focusing Area	[ ] (Multiple)
Focus Assist	✓ (On)
AE Metering	(Multi-segment metering)

Sensitivity	Auto
EV Compensation	±0.0
Highlight Correction	□ (Off)
Shadow Correction	□ (Off)
Blink Detection	<b>☑</b> (On)
Digital Zoom	<b>☑</b> (On)
Instant Review	<b>☑</b> (On)
Sharpness	——
Saturation	— <u></u>
Contrast	i (Normal)
Date Imprint	Off



Press the Green button in a mode.

The camera switches to ■ mode.

Press the Green button again to return to the status before ■ mode was selected.



When the camera detects a person's

face, the Face Detection function is activated and the face detection frame appears (p.70).

Press the shutter release button halfway.

The focus frame on the display turns green when the camera focuses on the subject at the correct distance.

**3** Press the shutter release button fully.

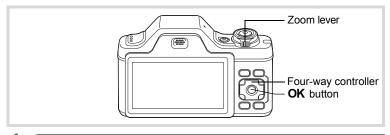
The picture is taken.



- Assign 
   mode to the [Green Button] on the [
   Rec. Mode] for using
   mode (p.121). The default setting is 
   mode.
- In 
   ■ mode, you cannot change the information on the display by pressing the OK/DISPLAY button.
- If you press the MENU button in 
   mode, the [♣ Setting] menu appears. The [♠ Rec. Mode] menu cannot be displayed.
- When the camera is turned off in 
   mode, it turns on in 
   mode next time the power switch is pressed.

### **Using the Zoom**

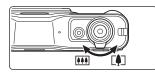
You can use the zoom to change the captured area.



#### Turn the zoom lever in mode.

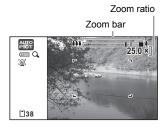
Right ( Enlarges the subject. Left ( ••• )

Widens the area that is captured by the camera.

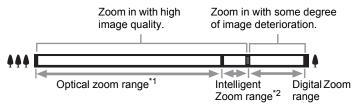


When you continue to turn to the right (♠), the camera automatically switches from optical zoom to Intelligent Zoom.

Once the lever is released and turned again, the camera switches to Digital Zoom.



The zoom bar is displayed as follows.



<sup>\*1</sup> You can zoom in to a maximum of 5× optically.

\*2 The Intelligent Zoom range differs depending on the number of recorded pixels. See the following table.

#### Recorded pixels and the maximum zoom ratio

Recorded Pixels	Intelligent Zoom	Digital Zoom
12ME / 12M / 9M (39)	Not Available (5× optical zoom only)	
7м / <u>5.3м</u> пар	Approx. 6.5×	
5м / 3.8м гото	Approx. 7.7×	
3м	Approx. 9.8×	Equivalent to approx. 31.3×
<u>2.1м</u> ггэ	Approx. 10.4×	31.54
2м	Approx. 12.5×	
1024	Approx. 19.5×	
640	Approx. 31.3× (Same as Digital Zoom)	



- It is recommended to use a tripod to prevent camera shake when taking pictures at high zoom.
- · Pictures taken in the Digital Zoom range appear grainier than pictures taken in the optical zoom range.
- Intelligent Zoom is not available under the following conditions:
  - When the number of recorded pixels is set to 12ME / 12M / 9M (5× optical zoom available)
  - When the sensitivity is set to 3200 or 6400
- Digital Zoom and Intelligent Zoom are not available in the (Pet) mode/ (a) (Digital SR) mode.
- · The image enlarged using Intelligent Zoom may appear rough on the display. This does not affect the quality of the recorded image.
- In **#** (Movie) mode, only Digital Zoom is available while recording.

#### To Set the Digital Zoom

The Digital Zoom is set to 

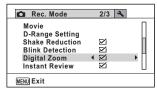
✓ (On) in the default settings. To take pictures using only the optical zoom and Intelligent Zoom, set the Digital Zoom to □ (Off).

- Press the MENU button in n mode. The [ Rec. Mode] menu appears.
- Use the four-way controller (▲ ▼) to select [Digital Zoom1.

## Use the four-way controller (◀▶) to select ☑ or □.

- Uses Digital Zoom
- Uses only optical zoom and Intelligent Zoom

The setting is saved.



#### 4 Press the MENU button.

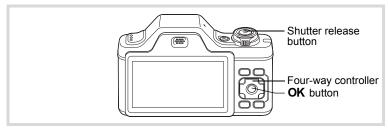
The camera returns to capture status.

Saving the Digital Zoom Function setting ™p.128

## Taking Pictures of Dark Scenes (Night Scene/ Night Scene Portrait/Digital SR/Fireworks/ Candlelight Mode)

You can choose settings appropriate for taking pictures of dark scenes, such as nightscapes.

		·
7	Night Scene	For night time images. Use of a tripod or other support is suggested.
A	Night Scene Portrait	For images of people at night. Use of a tripod or other support is advised. If the camera detects a face when the flash mode is set to 1/4 (Auto), the flash mode automatically changes to 1/9, (Flash On + Red-eye).
<b>(2</b> )	Digital SR	Higher sensitivity reduces blur. The sensitivity is automatically set to Auto and the number of recorded pixels is fixed at [5M] (2592×1944)/3.8MIE (2592×1464).
*	Fireworks	For capturing fireworks. Use of a tripod or other support is suggested. The sensitivity is fixed at its minimum setting.
誉	Candlelight	For capturing scenes in candlelight.



- Press the four-way controller (▼) in 
   mode. The Capture Mode Palette appears.
- 2 Use the four-way controller ( $\blacktriangle \lor \blacktriangleleft \blacktriangleright$ ) to select  $\blacksquare$ ,  $\blacksquare$ , **(≜)**), **※** or 誉.
- 3 Press the OK button.

The **4**, **(4)**, **\*** or \* mode is selected and the camera returns to capture status.

When the camera detects a person's face, the Face Detection function is activated and the face detection frame appears (p.70).

Press the shutter release button halfway.

The focus frame on the display turns green when the camera focuses on the subject at the correct distance.

5 Press the shutter release button fully.

The picture is taken.

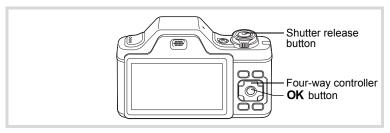


- · The shutter speed tends to be slower when taking pictures of dark scenes.
- To prevent camera shake, use a tripod and/or the self-timer function (p.90).
- Digital Zoom and Intelligent Zoom are not available in (1) (Digital SR) mode

## Taking Pictures of People (Half-length Portrait/ Portrait/Natural Skin Tone Mode)

The (Half-length Portrait), (Portrait) and (Natural Skin Tone) modes are suitable for taking pictures of people. The Face Detection function (p.70) operates for each shooting mode, making it easier to emphasize the subject's face when taking pictures.

•	Half-length Portrait	For portraits with proper framing by automatic zoom. The number of recorded pixels is fixed to (2048×1536)/2.1mm (1920×1080).
<b>(2)</b>	Portrait	For capturing portraits. Reproduces a healthy and bright skin tone.
<b>(2)</b>	Natural Skin Tone	For images of people. Enhances skin tones while smoothing blemishes.



- Press the four-way controller (▼) in **n** mode. The Capture Mode Palette appears.
- 2 Use the four-way controller (▲ ▼ ◀ ▶) to select 🚇, 🕲 or **O**.

The . The mode is selected and the camera returns to capture status. When the camera detects a person's face, the Face Detection function is activated and the face detection frame appears (p.70).



If the camera detects a person's face in 🚇 mode, an orange frame appears showing the area to be zoomed in.

#### 1 Press the shutter release button halfway.

The focus frame on the display turns green when the camera focuses on the subject at the correct distance.

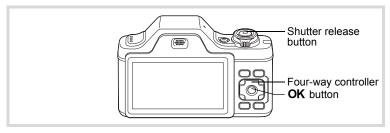
If the camera detects a person's face in A mode, the camera automatically zooms in to enlarge the area in the orange frame shown in Step 3.

#### 5 Press the shutter release button fully.

The picture is taken.

## Taking Pictures of Children (Kids Mode)

The  $\stackrel{1}{\cancel{\sim}}$  (Kids) mode is suitable for taking pictures of moving children. It also reproduces healthy and bright skin tone. The Face Detection function (p.70) operates automatically for this mode, making it easier to emphasize the subject's face when taking pictures.



Press the four-way controller (▼) in 
 mode.

The Capture Mode Palette appears.

- 2 Use the four-way controller (▲ ▼ ◀ ▶) to select 炎.
- Press the OK button.

  The ★ mode is selected and the camera returns to capture status.

  When the camera detects a person's face, the Face Detection function is activated and the face detection frame

appears (p.70).



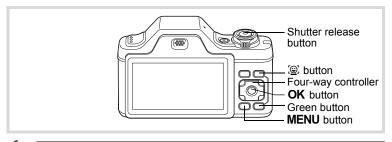
4 Press the shutter release button halfway.

The focus frame on the display turns green when the camera focuses on the subject at the correct distance.

**7** Press the shutter release button fully. The picture is taken.

### **Taking Pictures of Your Pet (Pet Mode)**

In (Pet) mode, the camera automatically releases the shutter when a registered pet is detected. You can capture the color of your pet's coat.



- Press the four-way controller (▼) in mode.
  The Capture Mode Palette appears.
- 2 Use the four-way controller (▲ ▼ ◀ ▶) to select .

## 3

#### Press the OK button.

The pet registration screen appears. Aiming the camera at a pet's full face automatically releases the shutter and the pet registration confirmation screen appears. When you select [Registry] using four-way controller (▲) and press the **OK** button, the picture of the registered pet is indicated on the upper-left corner of the display and the camera returns to the capture status.

When the camera detects the pet's face, the camera automatically releases the shutter

You can also take a picture by pressing the shutter release button.

When you press the ② button twice in the capture status screen, the pet registration screen appears to register another pet. You can register up to three pets.



Pet registration screen



Registry confirmation screen



Capture status screen



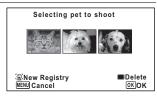
- When you press the MENU button on the pet registration screen, the registration will be canceled and the camera returns to the still picture capture mode. However, the camera will not release the shutter automatically when it detects a pet's face if no pets are registered.
- Only dogs and cats can be registered using the Pet Detection function.
   Other animals or human faces cannot be registered. You may not be able to register a pet's face if, for example, the pet's face is too small.
- The camera may not detect the registered pet's face, depending on the shooting situation.
- Digital Zoom and Intelligent Zoom are not available in the (Pet) mode.

#### To Switch the Pet You Want to Shoot

If you have registered two or three pets, choose the pet you want to detect.

Press the @ button on the capture status screen in 😘 (Pet) mode.

The pet registration screen appears.



- 2 Use the four-way controller (◀▶) to select the pet you want to detect.
- Press the OK button.

The selected pet is switched to the pet you want to detect and the camera returns to capture status.

#### To Delete the Pet from the Entry

Press the @ button on the capture status screen in (Pet) mode.

The pet registration screen appears.



- 2 Use the four-way controller (◀▶) to select the pet you want to delete.
- Press the Green button
- 4 Use the four-way controller (▲) to select [Delete].
- 5 Press the OK button.

The selected pet is deleted.



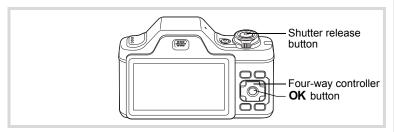
- [Focusing Area] is set to 

  ③ (Automatic Tracking AF) and the flash mode is set to 

  ⑤ (Flash Off). However, you can change these settings.
- [Focus Assist] is set to off. However, you can change this setting.

## Taking Pictures of Sports and Leisure Activities (Surf & Snow/Sport Mode)

•	Surf & Snow	For bright images such as sand or snow. Accurately meters for bright scenes.
36	Sport	For a fast moving subject. Tracks the subject until the picture is taken.



- Press the four-way controller (▼) in the Capture Mode Palette appears.
- 2 Use the four-way controller (▲ ▼ ◀ ▶) to select � or ┺.
- Press the OK button.

  The or mode is selected and the camera returns to capture status.

  When the camera detects a person's face, the Face Detection function is activated and the face detection frame

appears (p.70).



Press the shutter release button halfway.

The focus frame on the display turns green when the camera focuses on the subject at the correct distance.

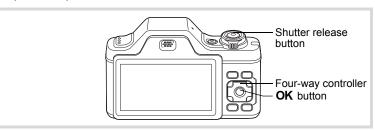
When the **%** (Sport) mode is selected, the focus frame follows the subject while the shutter release button is pressed halfway.

**5** Press the shutter release button fully.

The picture is taken.

## Taking Pictures Indoors (Party Mode)

The  $\overrightarrow{Y}$  (Party) mode is perfect for taking pictures indoors, such as snapshots at parties.



Press the four-way controller (▼) in 
mode.

The Capture Mode Palette appears.

- 2 Use the four-way controller (▲ ▼ ◀ ▶) to select Ÿ.
- Press the OK button.

The  $\Upsilon$  mode is selected and the camera returns to capture status. When the camera detects a person's face, the Face Detection function is activated and the face detection frame appears (p.70).

4 Press the shutter release button halfway.

The focus frame on the display turns green when the camera focuses on the subject at the correct distance.

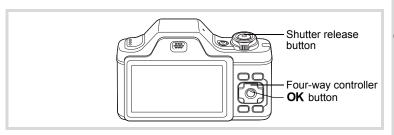
**7** Press the shutter release button fully.

The picture is taken.

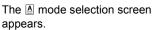
## Taking Pictures of Text (Text Mode)

The (Text) mode allows you to take clear pictures of written text. This is convenient for capturing a digital copy of an important document or enhancing legibility of small print.

A	Color	Maintains original colored text.
<u>A</u>	Neg. Color	Reverses the color of the text.
A	B & W	Turns text into black and white.
A	Neg. B & W	Turns text into reversed black and white.



- 1 Press the four-way controller (▼) in node. The Capture Mode Palette appears.
- Use the four-way controller (▲ ▼ ◀ ▶) to select △.
- Press the OK button.





Use the four-way controller ( $\blacktriangle \lor$ ) to select  $\triangle$ ,  $\triangle$ ,  $\triangle$  or Α.

The selected icon appears and the camera returns to capture status. When the camera detects a person's face, the Face Detection function is activated and the face detection frame appears (p.70).



**6** Press the shutter release button halfway.

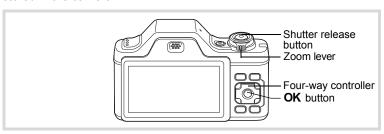
The focus frame on the display turns green when the camera focuses on the subject at the correct distance.

Press the shutter release button fully.

The picture is taken.

### **Framing Your Pictures (Frame Composite Mode)**

In (Frame Composite) mode, you can take pictures using the frames stored in the camera.



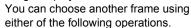
- Press the four-way controller (▼) in mode.
  The Capture Mode Palette appears.
- 2 Use the four-way controller (▲ ▼ ◀ ▶) to select ⊙.
- Press the OK button.
- The 12-frame display of the frame selection screen appears.

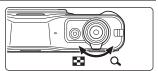
#### Use the four-way controller (▲ ▼ ◀ ▶ ) to choose the frame you want to use.



#### 5 Turn the zoom lever to the right $(\mathbf{Q})$ .

The selected frame appears in singleimage display.





Four-way controller (◀▶)	Press to choose a different frame.
, ,	Returns to the 12-frame display of the frame selection screen, and then perform Step 4 to choose a different frame.

#### ĥ Press the OK button.

The framed image appears on the display.

When the camera detects a person's face, the Face Detection function is activated and the face detection frame. appears (p.70).



## Press the shutter release button halfway.

The focus frame on the display turns green when the camera focuses on the subject at the correct distance.

## Press the shutter release button fully.

The picture is taken.



- The number of recorded pixels is fixed at 3m (2048×1536)/2.1m (1920×1080).
- At shipment, the camera includes 3 default frames and 42 optional frames for each aspect ratio (4:3 and 16:9). (The CD-ROM supplied with the camera contains a total of 90 frames, including the default frames.)

#### **Optional Frames**

The optional frames are stored in the built-in memory in the Optio I-10. These optional frames are deleted if the files on the built-in memory are deleted with a computer or the built-in memory is formatted. To reload the optional frames into the built-in memory, copy the files from the CD-ROM (S-SW102) supplied with the camera (p.170).

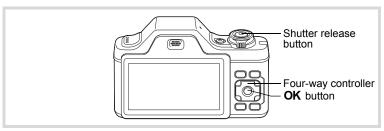
Adding a Frame to a captured image ™p.167

## 3 Using the Self-timer

In Self-timer mode, the picture is taken ten seconds or two seconds after the shutter release button is pressed.

Stabilize the camera with a tripod or other support when taking a picture using the self-timer.

Ó	Self-timer	Use this mode when you want to be included in a group picture. The picture is taken approximately ten seconds after the shutter release button is pressed.
( <u>)</u> 25	2 sec. Self-timer	Use this mode to avoid camera shake. The picture is taken approximately two seconds after the shutter release button is pressed.



- Press the four-way controller (▲) in ☐ mode.
  The [Drive Mode] screen appears.
- Use the four-way controller (◄►) to select ⋄ and press the four-way controller (▼).

# Je the four-way controller (◀▶) to select ७ or ७ and press the OK button.

The camera is ready to take the picture using the self-timer.

When the camera detects a person's face, the Face Detection function is





## Press the shutter release button halfway.

The focus frame on the display turns green when the camera focuses on the subject at the correct distance.

## **5** Press the shutter release button fully.

The picture is taken ten seconds or two seconds later.



Focusing may be compromised if you move the camera while the self-timer lamp is blinking when taking still pictures.



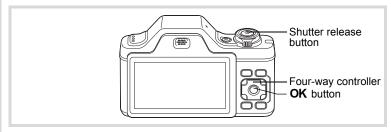
- In (Movie) mode, recording will start after ten seconds (or two seconds).
- Press the shutter release button halfway while the self-timer is engaged to stop the countdown and press fully to restart the countdown.
- ★ cannot be selected while (Green) mode setting remains the default. Select ★ in another shooting mode and then switch the shooting mode to .

# Taking a Series of Pictures (Continuous Shooting/Burst Shooting Mode)

In these modes, pictures are taken continuously as long as the shutter release button is pressed.

<u></u>	Continuous Shooting	Each time a picture is taken, the image is saved in the memory before the next image is taken. The higher the image quality, the longer the interval between shots.
□нѕ	Burst Shooting	The number of recorded pixels is fixed at 5m (2592×1944)/ 3.8mm (2592×1464) and the interval between shots is shorter than "Continuous Shooting".

<sup>\*</sup> The number of images that can be shot continuously and the interval between shots depend on shooting situations.



Press the four-way controller (▲) in ☐ mode.
The [Drive Mode] screen appears.

Use the four-way controller
(◀►) to select 및 or 및 and
press the OK button.

The camera is ready to take a series of

pictures.



**3** Press the shutter release button halfway.

The focus frame on the display turns green when the camera focuses on the subject at the correct distance.

Press the shutter release button fully.

Pictures are taken continuously as long as you keep the shutter release button pressed.



- The flash does not discharge in 

  and 

  and 

  modes.
- and □ scannot be selected in (Green), 
   (Auto Picture), 
   (Night Scene), 
   (Movie), 
   (Fireworks), 
   (Frame Composite), 
   (Digital Wide) or 
   (Digital Panorama) mode.

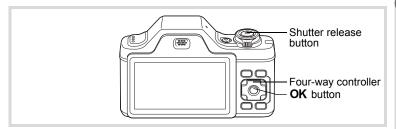


- The interval of 및 (Continuous Shooting) varies according to the Recorded Pixels and Quality Level settings.
- The focus, exposure and white balance are locked with the first shot.
- When the Face Detection function is activated (p.70), it works only when taking the first shot.
- The Blink Detection function works only for the last shot.

## Taking Pictures Using the Remote Control Unit (Optional)

You can release the shutter or adjust the zoom from a distance by using the remote control unit (optional).

≣̃3S	The shutter will be released after about three seconds when the shutter release button on the remote control unit is pressed.
ê	The shutter will be released immediately when the shutter release button on the remote control unit is pressed.



- Press the four-way controller (A) in mode. The [Drive Mode] screen appears.
- 2 Use the four-way controller ( ◀ ▶ ) to select \$\tilde{\blue}\$ and press the four-way controller (▼).
- 3 Use the four-way controller (◀▶) to select has or hand press the OK button.

The camera is ready to take a picture using the remote control unit. When the camera detects a person's face, the Face Detection function is



activated and the face detection frame appears (p.70).

#### Press the shutter release button on the remote control unit.

green at the point where the focus is achieved and the camera takes a picture after about three seconds.

When (0-sec Remote Control) is selected: The camera takes a picture immediately.

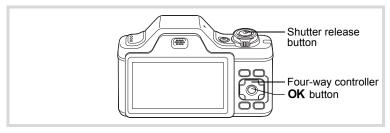


- The operating range is approx. 4 m (13 ft) from the front of the camera when using the remote control unit.
- In 🛱 (Movie) mode, pressing the shutter release button again stops the recording.
- The camera takes a picture even if the focus is not achieved.
- In Remote Control mode, the self-timer lamp blinks. When the camera receives a shutter release signal, the self-timer lamp blinks quickly right before and after the shot takes place. Also, when the camera receives a zoom signal, the self-timer lamp blinks quickly.
- If the shutter release button is pressed halfway during the countdown, the countdown stops. If the shutter release button is pressed fully, the camera starts the countdown again.
- • iss/i cannot be selected in 
   • (Green) mode.

## **Using the Digital Wide Function** (Digital Wide Mode)

In [Digital Wide] mode, you can stitch two vertical images captured with this camera into a single frame up to approx. 21 mm coverage (35 mm film equivalent).





- Press the four-way controller (▼) in 
   mode. The Capture Mode Palette appears.
- 2 Use the four-way controller (▲ ▼ ◀ ▶) to select wo.
- 3 Press the OK button.

The camera enters the WIDE mode. Turn the camera 90° clockwise and align your first picture.

When the camera detects a person's face, the Face Detection function is activated and the face detection frame appears (p.70).



1 Press the shutter release button halfway.

The focus frame on the display turns green when the camera focuses on the subject at the correct distance.

### Press the shutter release button fully.

The first captured image is temporarily saved, and the shooting screen for the second image is displayed.



ß

5

#### Take the second image.

Overlap the image on the preview guide on the left of the screen to compose the second image. Repeat Steps 4 and 5 to take the second image.

The stitched first and second image appears on the display (Instant Review), and then is saved.



- To minimize distortion when taking the second image, turn the camera so that it pivots around the right edge of the preview guide on the screen.
- Some distortion may result from moving objects, repeating patterns, or if nothing exists when overlapping the first and second image on the preview guide.
- When the Face Detection function is activated (p.70), it works only when taking the first image.
- The stitched together images are saved with the pixel size of 5M (2592×1944).

#### To Cancel after Taking the First Shot

When the shooting screen for the second image is displayed in Step 5 on p.96, press the OK button.

A confirmation dialog appears.

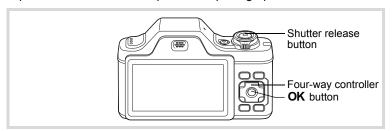
### Use the four-way controller (▲ ▼) to select an option and press the OK button.

Save	Saves the first image and you can retake the first shot. The first image is saved in [3M] (2048×1536).	
Discard	Discards the first image and you can retake the first shot.	
Cancel	Returns to the shooting screen for the second image.	



## **Taking Panoramic Pictures** (Digital Panorama Mode)

In ■■ (Digital Panorama) mode, you can stitch together two or three captured frames to create a panoramic photograph with the camera.



- Press the four-way controller (▼) in 
   mode. The Capture Mode Palette appears.
- 2 Use the four-way controller (▲ ▼ ◀ ▶) to select ▶■¶.
- Press the OK button.

The camera enters the ■■ mode and the message [Set shift direction] is displayed.

5

### Use the four-way controller (◀▶) to choose the direction in which the images will be joined.

The screen for taking the first frame is displayed.

When the camera detects a person's face, the Face Detection function is activated and the face detection frame appears (p.70).





#### Press the shutter release button halfway.

The focus frame on the display turns green when the camera focuses on the subject at the correct distance.

#### Press the shutter release button fully.

The screen for taking the second frame is displayed after you take the first frame.

#### If you select right (▶) in Step 4:

The right edge of the first frame appears in semi-transparent form on the left edge of the display.

#### If you select left (◄) in Step 4:

The left edge of the first frame appears in semi-transparent form on the right edge of the display.

#### Take the second frame.

Move the camera so that the semitransparent image and the actual view overlap and press the shutter release button.



#### Take the third frame.

Repeat Steps 5 to 7 to take the third frame.

The panorama images are joined and a stitched together image appears.

The stitched together image does not appear when [Instant Review] (p.67, p.117) is  $\Box$  (Off).



- Some distortion may result from moving objects, repeating patterns, or if nothing exists when overlapping the first and second frames or the second and third frames on the preview guide.
- When the Face Detection function is activated (p.70), it works only when taking the first frame.

#### To Cancel after Taking the First or Second Frame

After shooting the first frame in Step 6 on p.98 or the second frame in Step 7, press the OK button.

A confirmation dialog appears.

2 Use the four-way controller (▲ ▼) to select an option and press the OK button.

Save	Saves the captured image(s) and you can retake the first frame. When this option is selected after shooting the second frame, the first and the second frames are stitched together and saved as a panoramic photograph.
Discard	Discards the captured image(s) and you can retake the first frame.
Cancel	Returns to the previous shooting screen.





Unstitched images captured in **III** mode are saved with a pixel size of 2м (1600×1200).

## **Selecting the Flash Mode**

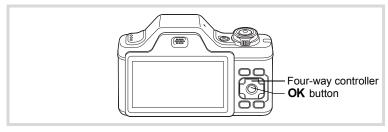
<b>4</b> <sub>A</sub>	Auto	The flash discharges automatically depending on the light conditions. If you use the Face Detection function, the mode is automatically set to \$\mathbb{G}\$.
<b>3</b>	Flash Off	The flash does not discharge, regardless of the brightness. Use this mode to take pictures where flash photography is prohibited.
4	Flash On	The flash discharges regardless of the brightness.
® <sub>A</sub>	Auto + Red-eye	This mode reduces the phenomenon of red eyes caused by the light from the flash being reflected in the subject's eyes. The flash discharges automatically (A pre-flash discharges before the main flash).
<b>©</b> 4	Flash On + Red-eye	This mode reduces the phenomenon of red eyes caused by the light from the flash being reflected in the subject's eyes. The flash discharges regardless of the light conditions (A pre-flash discharges before the main flash).
SOFT 4	Soft Flash	This mode reduces the intensity of the flash so that the flash is not too bright even when fired at close range. The flash discharges regardless of the light conditions.



- The flash mode is fixed at ® in the following situations:
  - When ₹ (Movie) or ∰ (Fireworks) is selected as the capture mode
  - When 및 (Continuous Shooting) or 및 (Burst Shooting) is selected as the drive mode
  - When **\( \Lambda \)** (Infinity) is selected as the focus mode
- In (Green) mode, you can only select \$\( \frac{1}{2} \) or \$\( \frac{1}{2} \).
- In [7] (Night Scene) mode, you cannot select 4 and 9.



Using the flash when capturing images at a close distance may cause irregularities in the image due to the light distribution.



## Press the four-way controller (◄) in ♠ mode.

The [Flash Mode] screen appears. The flash mode changes each time the button is pressed. You can also change the setting using the four-way controller (▲ ▼).



#### Press the OK button.

The setting is saved and the camera returns to capture status.

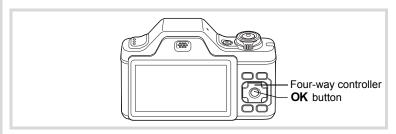
#### About the red-eye phenomenon

Taking pictures using the flash may cause the subject's eyes to appear red in the resulting picture. This phenomenon occurs when the light from the flash is reflected in the subject's eyes. It can be reduced by illuminating the area around the subject or moving closer to the subject and zooming out to a wider angle. Setting the flash mode to % or % is also an effective way of reducing red eyes. If the subject's eyes appear red despite such precautions, they can be corrected by the red-eye compensation function (p.166).

Saving the Flash Mode setting ™p.128

## **Selecting the Focus Mode**

AF	Standard	Use this mode when the distance to the subject is 40 cm (16 in.) or more. The camera is focused on the subject in the autofocus area when the shutter release button is pressed halfway.
*	Macro	This mode is used when the distance to the subject is approx. 10 cm to 50 cm (4 in. to 20 in.). The camera is focused on the subject in the autofocus area when the shutter release button is pressed halfway.
st	Super Macro	This mode is used when the distance to the subject is approx. 8 cm to 15 cm (3 in. to 5 in.). The camera is focused on the subject in the autofocus area when the shutter release button is pressed halfway.
PF	Pan Focus	This mode is used when you ask someone to take pictures for you, or when taking pictures of the scenery through the window of a car or train. The entire picture, from the front to the back, is focused.
<b>A</b>	Infinity This mode is used for taking distant objects. The flash is s to ③ (Flash Off).	
MF	Manual Focus	This mode lets you adjust the focus manually.



## Press the four-way controller(►) in mode.

The [Focus Mode] screen appears. The focus mode changes each time the button is pressed. You can also change the setting using the four-way controller ( $\blacktriangle \blacktriangledown$ ).



The setting is saved and the camera returns to capture status.



- When **AF** is selected and the subject is closer than 40 cm (16 in.), the camera automatically focuses from 10 cm (Auto-Macro function). In
- When shooting with selected, if the subject is further than 50 cm (20) in.) away, the camera automatically focuses to  $\infty$  (Infinity). By pressing the shutter release button fully, you can also take a picture even when the focus is not set

Saving the Focus Mode setting 

p.128

#### To Set the Focus Manually (Manual Focus)

- Press the four-way controller (▶) in □ mode. The [Focus Mode] screen appears.
- 2 Press the four-way controller (▶) to select MF.
- 3 Press the OK button.

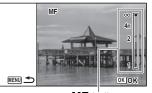
The central portion of the image is magnified to full screen on the display.



Use the four-way controller (▲ ▼) to adjust the focus.

> The **MF** indicator appears on the display to indicate the approximate distance to the subject. Adjust the focus using the indicator as a guide.

- for distant focus
- for closer focus



MF indicator

The focus is fixed and the camera returns to capture status.

After the focus is fixed, you can press the four-way controller (▶) again to display the **MF** indicator and readjust the focus.



The shooting mode and drive mode cannot be changed while the **MF** indicator is displayed.



To switch from **MF** to another focus mode, press the four-way controller (**>**) while the **MF** indicator is displayed.

#### To Set the Focusing Area

You can change the autofocus area (Focusing Area).

[ ]	Multiple	Normal autofocus area
[]	Spot	The autofocus area becomes smaller.
≣€3	Automatic Tracking AF	Keeps moving subjects in focus.

Press the MENU button in node.

The [ Rec. Mode] menu appears.

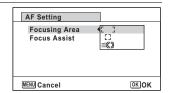
- 2 Use the four-way controller (▲ ▼) to select [AF Setting].
- 3 Press the four-way controller (►).

The [AF Setting] screen appears.

- Use the four-way controller (▲ ▼) to select [Focusing Area].
- **7** Press the four-way controller (▶).

A pull-down menu appears.

Use the four-way controller
(▲▼) to change the focusing area setting.



The setting is saved.

Press the MENU button twice.

The camera returns to capture status.

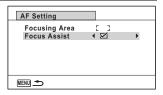


- In 🖀 (Movie) and 🖸 (Frame Composite) modes, the focusing area cannot be set to ■3.
- In (Green) and IIII (Auto Picture) modes, the focusing area is fixed at [
- · If you change the focusing area setting frequently, you can save time by assigning it to the Green button (p.120).

#### To Set the Focus Assist Light (Focus Assist)

The camera automatically emits the Focus assist light in dark shooting situations. You can set the light to on or off.

- Press the MENU button in n mode. The [ Rec. Mode] menu appears.
- 2 Use the four-way controller (▲ ▼) to select [AF Setting].
- 3 Press the four-way controller (▶). The [AF Setting] screen appears.
- 4 Use the four-way controller (▲ ▼) to select [Focus Assist].
- 5 Use the four-way controller  $(\blacktriangleleft \triangleright)$  to select  $\square$  or  $\square$ .
  - Focus Assist function works.
  - Focus Assist function does not П work.



ß Press the MENU button twice.

The camera returns to capture status.



The Focus Assist light cannot be used in 
 <sup>M</sup> (Movie) or when [Focus Mode] is set to 
 <sup>M</sup> (Infinity)/MF (Manual Focus).

## **Selecting the Number of Recorded Pixels**

You can choose from 11 recorded pixels settings for still pictures. The larger the number of recorded pixels, the clearer the details will appear when you print your picture. As the quality of the printed picture also depends on the image quality, exposure control, resolution of the printer, and other factors, you do not need to select more than the required number of recorded pixels. 3M is adequate for making postcard-size prints. The more pixels there are, the larger the picture and the bigger the file size.

Refer to the following table for the appropriate settings according to expected usage.

Recorded Pixels		Expected Usage
12MI 4000×3000		For printing high quality photos or A4-size pictures or
<u>9м</u> (55) 4000×2256	4	larger, or editing images on a computer.
7m 3072×2304		
<u>5.3м</u> <sub>[59]</sub> 3072×1728		
5м 2592×1944	Clearer	
3.8M <sub>[∰]</sub> 2592×1464	Cle	
зм 2048×1536		For making postcard-size prints.
<b>2.1м</b> 1920×1080		
1024 × 768		
640 × 480		For posting on a website or attaching to e-mail.
The defends a strong to too		

The default setting is 12M.



- Selecting provides better image quality than the setting, but the file sizes will be larger.
- When 9m (雨)/5.3m (雨)/3.8m (雨)/ 2.1mm is selected, the aspect ratio of the image is 16:9 and the monitor display for recording and playback is as shown on the right.



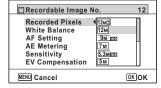
Press the MENU button in n mode.

The [ Rec. Mode] menu appears.

- Use the four-way controller (▲ ▼) to select [Recorded Pixels].
- 3 Press the four-way controller (▶).

A pull-down menu appears.

4 Use the four-way controller (▲ ▼) to change the number of recorded pixels.



5 Press the OK button.

The setting is saved.

ĥ Press the MENU button.

The camera returns to capture status.



- The number of recorded pixels for images captured in (Green) mode is fixed at 12M.
- The number of recorded pixels for images captured in (Half-length Portrait) or (Frame Composite) is fixed at 3M/2.1M[69].
- The number of recorded pixels for images captured in WDE (Digital Wide) mode is fixed at 5m. (The number of recorded pixels will be 3m if you exit the work mode without taking the second picture.)
- The number of recorded pixels for images captured in (12) (Digital SR) mode is fixed at 5 m / 3.8 m rsss.
- The number of recorded pixels for images captured in \( \ext{(Blog)} \) is fixed at 640
- If you change the [Recorded Pixels] setting frequently, you can save time by assigning it to the Green button (p.120).

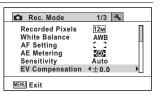
# **Setting the Exposure (EV Compensation)**

You can adjust the overall brightness of the picture.

Use this function to take pictures that are intentionally overexposed or underexposed.

- Press the MENU button in a mode.
  - The [ Rec. Mode] menu appears.
- 2 Use the four-way controller (▲ ▼) to select [EV Compensation1.
- 3 Use the four-way controller ( ◀ ▶ ) to select the EV value. To brighten, select a positive (+) value.

To darken, select a negative (-) value. You can choose the EV setting in the range of -2.0 EV to +2.0 EV in 1/3 EV steps.



4 Press the MENU button.

The camera returns to capture status.



- When the histogram is displayed in still picture capture mode/playback mode, you can check the exposure (p.28).
- If you change the [EV Compensation] setting frequently, you can save time by assigning it to the Green button (p.120).

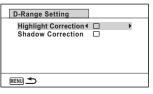
Saving the EV Compensation Value setting 

p.128

# **Correcting the Brightness (D-Range Setting)**

Expands the dynamic range and prevents bright and dark areas from occurring. [Highlight Correction] adjusts the bright areas when the image is too bright and [Shadow Correction] adjusts the dark areas when the image is too dark.

- Press the MENU button in a mode.
  - The [ Rec. Mode] menu appears.
- Use the four-way controller (▲ ▼) to select [D-Range Setting].
- **3** Press the four-way controller (▶). The [D-Range Setting] screen appears.
- Use the four-way controller (▲▼) to select [Highlight Correction] or [Shadow Correction].



5 Use the four-way controller (◀▶) to select ☑ or □.



### Press the MENU button twice.

The camera returns to capture status. The D-Range Setting icon appears on the display.

Ē:	When [Highlight Correction] is set to   ✓
Ľ	When [Shadow Correction] is set to   ✓
D	When [Highlight Correction] and [Shadow Correction] are set to   ✓







- 160.
- If you change the [Highlight Correction] or [Shadow Correction] setting frequently, you can save time by assigning it to the Green button (p.120).

### **Adjusting the White Balance**

You can take pictures in natural colors by adjusting the white balance according to the light conditions at the time of shooting.

AWB Auto		The camera adjusts the white balance automatically.		
☆ Daylight		Use this mode when taking pictures outside in sunlight.		
<u> </u>	Shade	Use this mode when taking pictures outside in the shade.		
ا عراج Tungsten Light Use this mode when taking pictures under electric or o tungsten light.		Use this mode when taking pictures under electric or other tungsten light.		
淵	Fluores. Light	Use this mode when taking pictures under fluorescent light.		
Д	Manual	Use this mode when adjusting the white balance manually.		



- · Set another white balance if you are not satisfied with the color balance of pictures taken with the white balance set to AWB.
- · Depending on the selected shooting mode, the white balance setting may not be changed. Refer to "Functions Available for Each Shooting Mode" (p.240) for details.

Press the MENU button in n mode.

The [ Rec. Mode] menu appears.

- 2 Use the four-way controller (▲ ▼) to select [White Balance].
- 3 Press the four-way controller (▶). The [White Balance] screen appears.
- 4 Use the four-way controller (▲ ▼) to change the setting. You can check the results of selected white balance settings on the preview image each time you press the four-



way controller (▲ ▼). 5 Press the OK button.

The setting is saved.

ĥ Press the MENU button.

> The camera returns to capture status. Refer to the section "To Set the White Balance Manually" for instructions on adjusting the white balance manually.

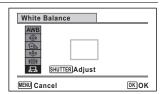


If you change the [White Balance] setting frequently, you can save time by assigning it to the Green button (p.120).

### To Set the White Balance Manually

Have a blank sheet of white paper or similar material ready.

- 1 In the [White Balance] screen, use the four-way controller (▲ ▼) to select 🚨 (Manual).
- 2 Point the camera at the blank sheet of paper or other material so that it fills the frame displayed in the center of the screen.



3 Press the shutter release button fully. The white balance is automatically adjusted.

4 Press the OK button. The setting is saved and the [ Rec. Mode] menu reappears.

5 Press the MENU button.

The camera returns to capture status.

# **Setting the AE Metering**

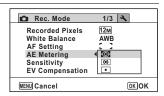
You can set the area of the screen where the brightness is metered to determine the exposure.

0	Multi-segment metering	The camera divides the image into 256 areas, meters the brightness and determines the exposure.	
0	Center-weighted metering	The camera takes a reading of the overall brightness of the picture with the center of the image having more influence on the exposure.	
•	Spot AE metering	The camera determines the exposure by metering the brightness only at the center of the image.	

Press the MENU button in a mode.

The [ Rec. Mode] menu appears.

- Use the four-way controller (▲ ▼) to select [AE Metering].
- Press the four-way controller (►).
  A pull-down menu appears.
- Use the four-way controller (▲▼) to select the AE Metering setting.



**5** Press the OK button.

The setting is saved.

**6** Press the MENU button.

The camera returns to capture status.



- When the shutter release button is pressed halfway, the brightness is metered and the exposure is determined.
- When the subject is outside the focusing area and you want to use
   (Spot AE metering), aim the camera at the subject and press the shutter release button halfway to lock the exposure, then compose your picture again and press the shutter release button fully.
- Depending on the selected shooting mode, the AE metering setting may not be changed. Refer to "Functions Available for Each Shooting Mode" (p.240) for details.
- If you change the [AE Metering] setting frequently, you can save time by assigning it to the Green button (p.120).

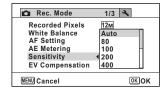
Saving the AE Metering setting ™p.128

# **Setting the Sensitivity**

You can select the sensitivity to suit the brightness of the surroundings.

Auto	The sensitivity is automatically adjusted by the camera. (Sensitivity 80 - 800		
80	The lower the sensitivity, the less noise that affects the image. The		
100	shutter speed will be slower in low light conditions.		
200			
400			
800			
1600	Higher sensitivity settings use faster shutter speeds in low light		
3200	conditions to reduce camera shake, but the image may be affected by		
6400	noise.		

- Press the MENU button in node.
  - The [ Rec. Mode] menu appears.
- Use the four-way controller ( ▲ ▼ ) to select [Sensitivity].
- Press the four-way controller (►).
  A pull-down menu appears.
- Use the four-way controller (▲ ▼) to change the sensitivity.



**5** Press the OK button.

The setting is saved.

Press the MENU button.

The camera returns to capture status.



- When the sensitivity is set to 3200 or 6400, the number of recorded pixels is fixed at 5m (2592×1944)/3.8mm (2592×1464).
- When set to ((1) (Digital SR) mode, only Auto (sensitivity 80 6400) is available.
- When set to \$\iiint (Fireworks) mode, the sensitivity is fixed at its minimum setting.
- If you change the [Sensitivity] setting frequently, you can save time by assigning it to the Green button (p.120).

Saving the Sensitivity setting 

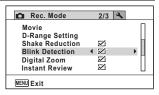
p.128

# **Setting Blink Detection**

This specifies whether Blink Detection function works when you use the Face Detection function. The default setting is  $\mathbf{E}'$  (On).

- Press the MENU button in **a** mode. The [**a** Rec. Mode] menu appears.
- Use the four-way controller (▲ ▼) to select [Blink Detection].
- Use the four-way controller (◄►) to select 
   or □.
  - Blink Detection function works.
  - □ Blink Detection function does not work.

The setting is saved.



4 Press the MENU button.

The camera returns to capture status.

Blink Detection ™p.67

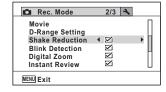
# **Setting Shake Reduction**

You can set this function to reduce camera shake which occurs during shooting. The default setting is  $\mathscr{C}$  (On).



Use the Movie SR function (p.126) to correct camera shake in **#** (Movie) mode.

- Press the MENU button in node.
  - The [ Rec. Mode] menu appears.
- Use the four-way controller (▲ ▼) to select [Shake Reduction].
- Use the four-way controller (◀▶) to select ☑ or □.
  - Corrects camera shake.
  - Does not correct camera shake.



4 Press the MENU button.

The camera returns to capture status.



[Shake Reduction] is fixed to  $\mathbf{V}$  (On) in  $\mathbf{O}$  (Green) mode.

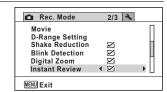


The camera shake reduction function may not work properly when, for example, the shutter speed is slower, such as when capturing night scenes. In such cases, we recommend that you set [Shake Reduction] to  $\Box$  (Off) and use a tripod or other support.

# **Setting the Instant Review**

Use this setting to specify whether or not an Instant Review is displayed immediately after images are shot. The default setting is  $\mathscr{C}$  (On).

- Press the MENU button in node.
  - The [ Rec. Mode] menu appears.
- Use the four-way controller (▲ ▼) to select [Instant Review].
- Use the four-way controller
  (◄►) to select ☑ or □.
  - ☑ Instant Review is displayed.
  - Instant Review is not displayed.



Press the MENU button.

The camera returns to capture status.

Instant Review ™p.67



If the Blink Detection function worked when shooting, the message [Closed eyes have been detected] appears for 3 seconds during Instant Review

# **Setting the Image Sharpness (Sharpness)**

You can give the image sharp or soft outlines.

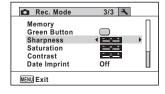
- Press the MENU button in a mode.
  - The [ Rec. Mode] menu appears.
- 2 Use the four-way controller (▲ ▼) to select [Sharpness].

3 Use the four-way controller (◀▶) to change the sharpness level.

Soft

Normal

Sharp



Press the MENU button.

The camera returns to capture status.



If you change the [Sharpness] setting frequently, you can save time by assigning it to the Green button (p.120).

### **Setting the Color Saturation (Saturation)**

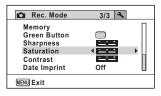
You can set the color saturation.

1 Press the MENU button in a mode.

The [ Rec. Mode] menu appears.

- Use the four-way controller (▲ ▼) to select [Saturation].
- Use the four-way controller ( ◀ ▶ ) to change the saturation level.

Low Normal High



Press the MENU button.

The camera returns to capture status.



If you change the [Saturation] setting frequently, you can save time by assigning it to the Green button (p.120).

# **Setting the Image Contrast (Contrast)**

You can set the image contrast level.

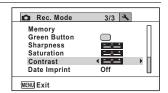
Press the MENU button in node.

The [ Rec. Mode] menu appears.

- 2 Use the four-way controller (▲ ▼) to select [Contrast].
- Use the four-way controller (◀▶) to change the contrast level.



<del>\_\_</del><u></u> → Normal



4 Press the MENU button.

The camera returns to capture status.



If you change the [Contrast] setting frequently, you can save time by assigning it to the Green button (p.120).

# **Setting the Date Imprint Function**

You can choose whether to imprint the date and/or time when taking still pictures.

1 Press the MENU button in node.

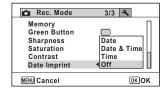
The [ Rec. Mode] menu appears.

- Use the four-way controller (▲ ▼) to select [Date Imprint].
- 3 Press the four-way controller (►).

A pull-down menu appears.

Use the four-way controller (▲ ▼) to select the Date Imprint details.

Choose from [Date], [Date & Time], [Time] or [Off].



### **5** Press the OK button.

The setting is saved.

**6** Press the MENU button.

The camera returns to capture status.



- The date and/or time imprinted with the Date Imprint function cannot be deleted
- Note that if the printer or the image editing software is set to print the date and the images to be printed already have the date and/or time imprinted, the imprinted dates and/or times may overlap.



- Date appears on the display in mode when [Date Imprint] is set.
- The date and/or time are imprinted on the picture with the display style set in the [Date Adjustment] screen (p.47).

# **Calling Up a Specific Function**

You can assign a function to the Green button and recall it quickly by simply pressing the Green button. This is useful for going straight to the setting screens of frequently used functions.

The following functions can be assigned to the Green button:

- **(**Green) Mode
- Recorded Pixels
- · White Balance
- · Focusing Area
- AE Metering
- · Sensitivity
- EV Compensation

- · Highlight Correction
- · Shadow Correction
- Sharpness
- Saturation
- Contrast
- · Voice Recording

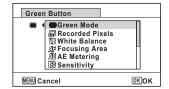


- · The Green button setting can be returned to its default setting by selecting [Reset] on the [ Setting] menu.
- The functions other than 

  (Green) mode and Voice Recording can be set in the usual manner on the [ Rec. Mode] menu.
- You cannot save different settings for the same function on the Green button and on the [ Rec. Model menu.

### To Assign a Function to the Green Button

- Press the MENU button in n mode.
  - The [ Rec. Mode] menu appears.
- 2 Use the four-way controller (▲ ▼) to select [Green Button].
- 3 Press the four-way controller (▶). A pull-down menu appears.
- 4 Use the four-way controller (▲ ▼) to choose a function and press the OK button.



5 Press the MENU button.

The selected function is assigned to the Green button.

### To Use the Green Button

1 Press the Green button in n mode.

The function assigned to the Green button is called up.

2 Use the four-way controller (◀▶) to change the settings and press the OK button.

The camera returns to capture status.



Taking Pictures in the Basic Mode (Green Mode) ™p.74 Recording Sound (Voice Recording) ™p.186

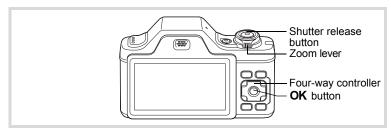


If a function other than the (Green) mode and Voice Recording has been assigned to the Green button, the camera returns to the original screen if no operation is performed for 1 minute after the Green button is pressed.

# **Recording Movies**

### Recording a Movie

This mode enables you to record movies. Sound is recorded at the same time.



- Press the four-way controller (▼) in mode.
  The Capture Mode Palette appears.
- Use the four-way controller (▲▼◆▶) to select # (Movie).

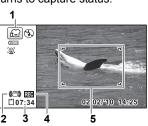


**3** Press the OK button.

The camera enters the A mode and returns to capture status.

The following information appears on the display.

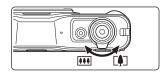
- 1 Movie mode icon
- 2 Movie shake reduction icon
- 3 Remaining recordable time
- 4 REC indicator (blinks during recording)
- **5** Focus frame (does not appear during recording)



You can change the captured area by turning the zoom lever to the left or right.

Right ( Enlarges the subject.

Left ( Widens the area that is captured by the camera.



Press the shutter release button fully.

Recording starts. You can continue recording until the built-in memory or the SD Memory Card is full, or the size of the recorded movie reaches 2 GB

Press the shutter release button fully.

Recording stops.

Playing Back a Movie 

p.133



5

- The flash does not discharge in # mode.
- · The focus mode can be changed before recording starts.
- When the focus mode is set to MF(Manual Focus), you can adjust the focus before recording starts.
- You can use the optical zoom only before recording, while the digital zoom is available both before and during recording.
- Even if you change the display mode by pressing the OK/DISPLAY button while recording a movie, the histogram cannot be displayed on the monitor
- When the shooting mode is set to ♣, the Face Detection function is automatically activated. You can switch to Smile Capture or Face Detection Off by pressing the ♠ button before starting recording a movie (p.70). When the Smile Capture function is selected, movie recording starts automatically when the camera detects the subject's smile. However, depending on the condition of the detected faces, movie recording may not start automatically because the Smile Capture function may not work. If this happens, press the shutter release button to start movie recording.
- You can record a movie using the remote control unit (optional) (p.93).

### **Keeping the Shutter Release Button Pressed**

If you keep the shutter release button pressed for more than one second. recording will continue as long as you keep the button pressed. Shooting stops when you take your finger off the shutter release button.

### Selecting the Recorded Pixels and Frame Rate for Movies

You can choose the number of recorded pixels and frame rate settings for movies.

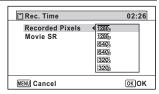
The more pixels there are, the clearer the details and the bigger the file size. The more frames per second, the better the quality of the movie, but the file size becomes larger.

Setting	Recorded Pixels	Frame Rate	Use
128@ <sub>0</sub>	1280×720	30 fps	Records images in HDTV format (16:9). Movement is recorded smoothly. (default setting)
<u>128Q</u> <sub>B</sub>	1280×720	15 fps	Records images in HDTV format (16:9). Increases the total recording time by making the file size smaller.
640	640×480	30 fps	Suitable for viewing on a TV or computer screen. Movement is recorded smoothly.
<b>64Q</b> ₃	640×480	15 fps	Suitable for viewing on a TV or computer screen. Increases the total recording time by making the file size smaller.
320	320×240	30 fps	Suitable for posting on a website or attaching to e-mail. Movement is recorded smoothly.
<b>32Q</b> ₃	320×240	15 fps	Suitable for posting on a website or attaching to e- mail. Increases the total recording time by making the file size smaller.

The frame rate (fps) indicates the number of frames per second.

- Press the MENU button in n mode.
  - The [ Rec. Mode] menu appears.
- Use the four-way controller (▲ ▼) to select [Movie].

- 3 Press the four-way controller (▶).
  - The [Movie] screen appears.
- 4 Use the four-way controller (▲ ▼) to select [Recorded Pixels1.
- 5 Press the four-way controller (▶). A pull-down menu appears.
- 6 Use the four-way controller (▲ ▼) to change the number of recorded pixels and frame rate.



- Press the OK button.
  - The setting is saved.
- R Press the MENU button twice.

The camera returns to capture status.

### **Setting the Movie SR (Movie Shake Reduction) Function**

In 🗗 mode, you can correct camera shake while you are recording a movie with the Movie SR (Movie Shake Reduction) function.

- Press the MENU button in n mode.
  - The [ Rec. Mode] menu appears.
- 2 Use the four-way controller (▲ ▼) to select [Movie].
- 3 Press the four-way controller (▶).
  - The [Movie] screen appears.
- 4 Use the four-way controller (▲ ▼) to select [Movie SR].

### 5 Use the four-way controller $(\blacktriangleleft \triangleright)$ to select $\checkmark$ or $\square$ .

- Corrects camera shake.
- Does not correct camera П shake.

The setting is saved.

Movie		
Recorded Pixels	1280	
Movie SR	4 ☑	<b>&gt;</b>
MENU 🍮		

#### 6 Press the MENU button twice.

The camera returns to capture status.

# **Saving the Settings (Memory)**

The Memory function is for saving the current camera settings when the camera is turned off.

For some camera settings, the Memory function is always set to  $\checkmark$  (On) (the settings are saved when the camera is turned off), while for others you can choose on or off (to choose whether the settings are saved or not when the camera is turned off). The items which can be set to  $\checkmark$  (On) or  $\Box$  (Off) in the Memory function are shown in the table below. (Items not listed here are always saved in the selected settings when the camera is turned off.)

If you select  $\checkmark$  (On), the settings will be saved in the status they were in immediately before the camera was turned off. If you select  $\Box$  (Off), the settings will be reset to the defaults when the camera is turned off. The table below also shows whether the Memory default setting for each item is on or off.

Item	Description	Default Setting	Page
Face Detection	A Face Detection mode set by using the ② button		p.70
Flash Mode	The flash mode set with the four-way controller (◀)	₩	p.100
Drive Mode	The drive mode set with the four-way controller (▲)		p.90 p.91
Focus Mode	The focus mode set with the four-way controller (▶)		p.102
Zoom Position	The zoom position set with the zoom lever		p.76
MF Position	The manual focus position set with the four-way controller (▲ ▼)		p.103
White Balance	The [White Balance] setting on the [♠ Rec. Mode] menu		p.110
Sensitivity	The [Sensitivity] setting on the [ Rec. Mode] menu		p.114
EV Compensation	The [EV Compensation] setting on the [♠ Rec. Mode] menu		p.108
AE Metering	The [AE Metering] setting on the [ Rec. Mode] menu		p.112
Digital Zoom	The [Digital Zoom] setting on the [ Rec. Mode] menu		p.77
DISPLAY	The information display mode set with the <b>OK/DISPLAY</b> button		p.20

If a new SD Memory Card is inserted when 

✓ (On) File No. has been selected, file numbers are assigned ゼ sequentially

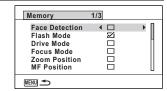
Press the MENU button in n mode.

The [ Rec. Mode] menu appears.

- 2 Use the four-way controller (▲ ▼) to select [Memory].
- 3 Press the four-way controller (▶).

The [Memory] screen appears.

4 Use the four-way controller (▲ ▼) to choose an item.



- 5 Use the four-way controller (◀▶) to select ☑ or □.
- ĥ Press the MENU button twice.

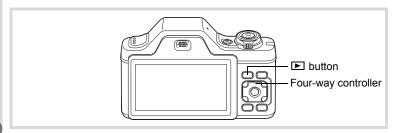
The camera returns to capture status.

### Memo

# 4 Playing Back and Deleting Images

Playing Back Images	132
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# **Playing Back Still Pictures**



Press the button after taking a picture.

The camera enters the ightharpoonup mode and the captured image appears on the display (single-image display).



### To Play Back the Previous or Next Image

Press the four-way controller (◀►).

The previous or next image appears.

### To Delete the Displayed Image

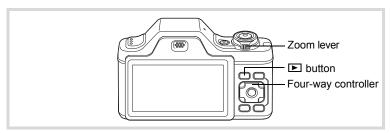
Press the fi button while the image is displayed to display the Delete screen. Press the four-way controller ( ) to select [Delete] and press the **OK** button.



For information on other deletion procedures p.146

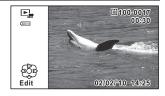
# **Playing Back a Movie**

You can play back the movies you have taken. The sound is played back at the same time.



- In ▶ mode, use the four-way controller (◀▶) to choose the movie you want to play back.
- Press the four-way controller (▲).

Playback starts.



### Available operations during playback

Zoom lever to the right ([4])	Increases the volume.	
Zoom lever to the left ( !!!)	Reduces the volume.	
Four-way controller (▲)	Pauses playback.	
Four-way controller (▶)	Fast-forwards playback while the button is held down.	
Four-way controller (◀)	Plays back in reverse. Fast-reverses playback while the button is held down.	

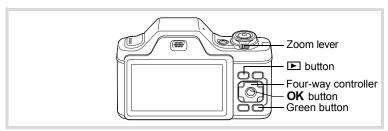
### Available operations while playback is paused

Four-way controller (▲)	Resumes playback.
Four-way controller (►)	Forwards the frame.
Four-way controller (◀)	Reverses the frame.

### Press the four-way controller (▼).

Playback stops.

# **Multi-Image Display**

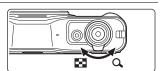


### Six-Image Display/Twelve-Image Display

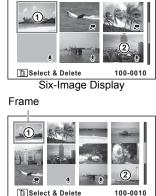
You can display six or twelve thumbnails of captured images at a time.

In ▶ mode, turn the zoom lever to the left (►).

The six-image display appears showing a page consisting of six thumbnail images. Turn the zoom lever to the left (►) again to switch to twelve-image display.



A page consisting of six or twelve thumbnail images appears. The displayed images change six or twelve images at a time page by page. Use the four-way controller (▲ ▼ ◀ ▶) to move the frame. If there are too many images to fit on one page. pressing the four-way controller (▲ ◀) while the image 1 is selected will display the previous page. Similarly, if you choose image 2 and press the four-way controller (▼ ▶ ), the next page appears.



Twelve-Image Display

The icons that appear on the images indicate the following:

(No icon)	Still picture without sound	
Movie (the first frame appears)		
	Still picture with sound	
	Sound file only	

Press the **OK** button to switch to single-image display of the selected image.

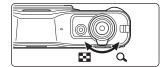
Press the button to switch to mode.

### Folder Display/Calendar Display

In twelve-image display, turn the zoom lever to the left (₺) to switch to folder display or calendar display. Press the Green button to switch between folder display and calendar display.

### In **b** mode, turn the zoom lever to the left (■) three times.

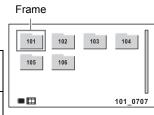
The screen changes to folder display or calendar display.



### Folder display

The list of folders with recorded images and sound files appears.

Four-way controller (▲▼◀▶)	Moves the frame.
Zoom lever to the right (Q)/ <b>OK</b> button	Displays the images in the selected folder in twelve-image display.
MENU button	Returns to twelve- image display.



### Calendar display

Images and sound files are displayed by date in calendar format.

The first image recorded on a date is displayed for that date on the calendar.

Four-way controller (▲ ▼ ◀ ▶)	Moves the frame.
Zoom lever to the right (Q)	Displays the images for that date in twelve-image display.
<b>OK</b> button	Displays the first image recorded on that date in single-image display.
MENU button	Returns to twelve- image display.

### Frame



# **Using the Playback Function**

Press the four-way controller (▼) in ▶ mode.

The Playback Mode Palette appears.

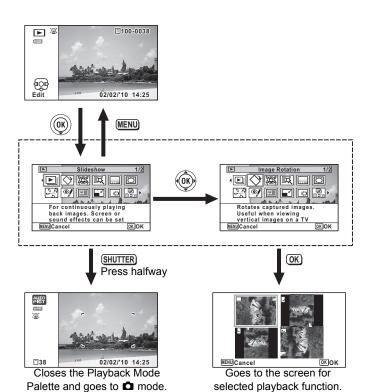
# Use the four-way controller (▲▼◀▶) to choose an icon.

The guide for the selected function appears below.



### Press the OK button.

The selected playback function is called up.



# **Playback Mode Palette**

Playback Mode		ck Mode	Description	Page
Þ	Slideshow		For continuously playing back images. Screen or sound effects can be set.	p.139
◇ Image Rotation		e Rotation	Rotates captured images. Useful when viewing vertical images on a TV.	p.141
	Small Face Filter		Processing image to smaller for detected face.	p.160
檿	Digital Filter		For modifying images with a Color filter or Soft filter.	p.162
	Original Frame		For making a frame by selecting your favorite frame type and color. Text can be entered, too.	p.171
0	Frame Composite		For composing an image with a frame. Select Overwrite or Save as to save.	p.167
28	Movie Edit	Save as Still Image	For saving one frame from a movie as a still picture.	p.176
		Divide Movies	For dividing a movie into two.	
		Adding title picture	For adding a title picture to your movie.	p.178
<b>ø</b> /	Red-eye Compensation		For compensating red-eye. May not work due to the condition of the image.	p.166
	Subscreen Input		For displaying the selected image on the subscreen.	p.208
	] Resize		Changes Recorded Pixels and Quality Level to make the file size smaller.	p.158
	Cropping		For cropping images to the size you like. Saved as a new image.	p.159
D.	Image/Sound Copy		For copying images and sounds between the built-in memory and SD Memory Card.	p.179
<b>©</b>	Voice Memo		Attaches sound to images. Recording is possible till the memory card is full.	p.190
о-п	Protect		Protects images and sounds from accidental deletion. Formatting will delete.	p.152
DPOF	DPOF		For the print settings. Useful when printing at a printing service.	p.181
46	Image Recovery		For recovering image and sound files which were accidentally deleted.	p.151
огло	Start-up Screen		For setting a captured image as the Start-up Screen.	p.209

### **Slideshow**

You can play back recorded images one after another.

- In ▶ mode, use the four-way controller (◀▶) to choose the image to start the slideshow with.
- Press the four-way controller (▼).
  The Playback Mode Palette appears.
- Use the four-way controller
  (▲▼◀▶) to select ►
  (Slideshow).



- **Press the OK button.**The slideshow setting screen appears.
- Use the four-way controller (▲▼) to select [Start].



**b** Press the OK button.

The slideshow starts.

Pressing the **OK** button during the slideshow pauses the slideshow. To resume the slideshow, press the **OK** button again.

Press any button other than the OK button.

The slideshow stops.

### To Set the Slideshow Conditions

You can set the playback interval and also a screen effect and sound effect for when one image changes to the next.

Use the four-way controller (▲▼) to select [Interval] in Step 5 on p.139.



Press the four-way controller (▶).

A pull-down menu appears.

Use the four-way controller (▲ ▼) to change the interval and press the OK button.

Choose from [3sec.], [5sec.], [10sec.], [20sec.] or [30sec.].

- Use the four-way controller (▲ ▼) to select [Screen Effect].
- Fress the four-way controller (►).

A pull-down menu appears.

Use the four-way controller (▲ ▼) to choose the screen effect and press the OK button.

Wipe	The next image slides over the previous one from left to right
Checker	The next image appears in small square mosaic blocks
Fade	The current image gradually fades out and the next image fades in
Off	No effect

- Juse the four-way controller (▲ ▼) to select [Sound Effect].
- Use the four-way controller ( ◄ ► ) to select ☑ or □.

   Except when the [Screen Effect] is set to [Off], you can choose ☑ (On) or □ (Off) for the sound that is played when one image changes to the next.



# Use the four-way controller (▲ ▼) to select [Start] and press the OK button.

The slideshow starts using the selected interval and effect.

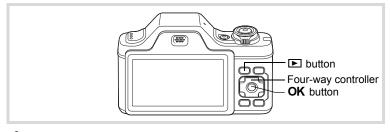


- The slideshow will continue until you press any button other than the OK button.
- Movies or pictures with sound will be played through to the end before
  the next picture is played back, regardless of the interval setting.
  However, pressing the four-way controller (>) while playing back a
  movie or a picture with sound skips to the next image.
- Sound files made in Voice Recording are not played back in the slideshow.
- Panorama images are displayed by scrolling from left to right in 4 seconds before the next picture is played back, regardless of the Interval or Screen Effect setting.

Connecting the Camera to AV Equipment 

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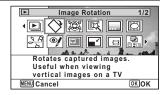
# Rotating the Image



- Press the button after taking a picture.
  - The image appears on the display.
- Press the four-way controller (▼).

The Playback Mode Palette appears.

Use the four-way controller
 (▲ ▼ ◀ ▶) to select ♡ (Image Rotation).

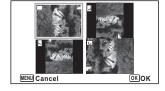


Press the OK button.

The rotation selection screen (0°, Right 90°, Left 90°, or 180°) appears.

Use the four-way controller (▲▼◀►) to choose the rotation direction and press the OK button.

The rotated image is saved.

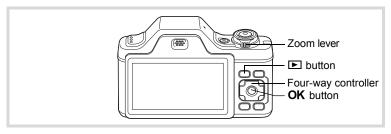




- · Panoramic images and movies cannot be rotated.
- Protected images can be rotated, but they cannot be saved in a rotated state.

# **Zoom Playback**

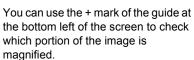
You can magnify an image up to ten times.



In ▶ mode, use the four-way controller (◀▶) to choose the image you want to magnify.

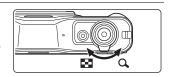
## Turn the zoom lever to the right $(\mathcal{Q})$ .

The image is magnified (×1.1 to ×10). Continuing to turn the zoom lever to the right (Q) changes the magnification continuously.



#### Available operations while an image is magnified

Four-way controller (▲▼◀▶)	Moves the position to be magnified.
	Makes the image bigger (max. ×10).
	Makes the image smaller (min. ×1.1).





Guide

## Press the OK button.

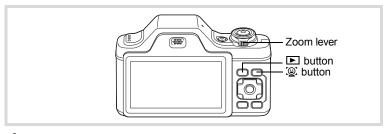
The image returns to single-image display.



Movies cannot be magnified.

# Zoom In on the Subject's Face Automatically (Face Close-up Playback)

You can enjoy playing back images with the subject's faces zoomed up simply by pressing the (2) button (Face close-up playback) if the Face Detection function operated when the images were taken.



- In **▶** mode, use the four-way controller (**♦ ▶**) to choose the image you want to magnify.
- **2** Confirm that the @ icon is displayed in the image and press the @ button.

The image is magnified around the face first detected when the image was taken.

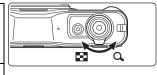
If multiple faces were detected when the image was taken, the subject's faces are zoomed up on each time the <a>©</a> button is pressed in order of the detection during shooting.





#### Available operations during Face close-up playback mode

Zoom lever to the right (Q)	Zooms up on the subject being displayed for Face close-up playback at an equal or slightly larger magnification ratio.
Zoom lever to the left (►)	Zooms up on the subject being displayed for Face close-up playback at an equal or slightly smaller magnification ratio.



## 3

#### Press the OK button.

The image returns to single-image display.



- Face close-up playback is not available for images that are saved as still pictures from the movies.
- The magnification ratio for Face close-up playback may differ depending on the conditions such as the size of the face detected when shooting.
- Face close-up playback is also available for pet's faces recorded in (Pet) mode.

## **Deleting Images and Sound Files**

You can delete images and sound files that you do not want to keep.

#### When images or sound files are inadvertently deleted

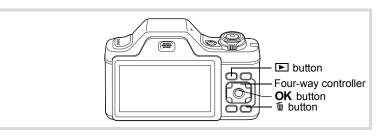
Deleted images and sound files can be recovered with the Optio I-10 (p.151). Deleted images and sound files can be recovered even if the camera has been turned off after deletion as long as the SD Memory Card has not been removed. However, deleted images and sound files cannot be recovered after operations to write data such as taking pictures, recording movies, protecting images, saving DPOF settings, resizing images, cropping images, or formatting has been performed.

## **Deleting a Single Image**

You can delete a single image or sound file.



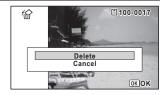
Protected images and sound files cannot be deleted (p.152).



- In ▶ mode, use the four-way controller (◀▶) to choose the image/sound file you want to delete.
- Press the fi button.

A confirmation screen appears.

# Use the four-way controller (▲▼) to select [Delete].



Press the OK button.

The image or sound file is deleted.

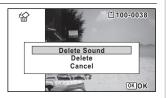
Recovering Deleted Images ™p.151

#### To Delete the Sound from an Image

If sound (voice memo) has been added to an image (p.190), you can delete the sound without deleting the image.

- In ▶ mode, use the four-way controller (◀▶) to choose the image with sound.

  □ appears on the images with sound.
- Press the fi button.
  A confirmation screen appears.
- Use the four-way controller (▲▼) to select [Delete Sound].



Press the OK button.

The sound data is deleted.



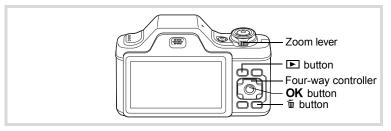
- Select [Delete] in Step 3 above to delete both the image and sound data
- · You cannot delete only the sound in a movie.

## **Deleting Selected Images and Sound Files**

You can delete several images/sound files selected from the six-/twelveimage display at once.

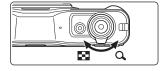


Protected images and sound files cannot be deleted (p.152).



In ▶ mode, turn the zoom lever to the left (☒) once or twice.

Six-image display or twelve-image display appears.

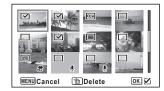


Press the ⋓ button.

□ appears on the images and sound files.



## Use the four-way controller (▲▼◀▶) to choose the images and sound files that you want to delete and press the OK button.



and sound files.

If you select an image and turn the zoom lever to the right  $(\mathbf{Q})$ , the selected image appears in single-image display as long as the lever is turned, enabling you to check whether you really want to delete it or not. (The display returns to six-/twelve-image display when you release the lever.) However, protected images cannot be displayed in single-image display.

Press the m button.

A confirmation dialog appears.

5 Use the four-way controller (▲ ▼) to select [Select & Delete1.



ß Press the OK button.

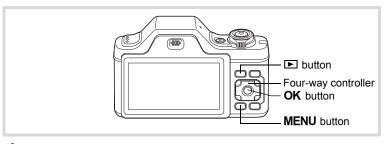
The selected images and sound files are deleted.

## **Deleting All Images and Sound Files**

You can delete all the images and sound files at once.



Protected images and sound files cannot be deleted (p.152).

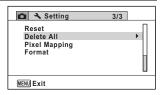


Press the MENU button in D mode.

The [ Setting] menu appears.

When you press the **MENU** button in **□** mode, press the four-way controller (**▶**) once.

Use the four-way controller (▲ ▼) to select [Delete All].



**3** Press the four-way controller (▶).

The [Delete All] screen appears.

Use the four-way controller (▲▼) to select [Delete All].



All the images and sound files are deleted.

## **Recovering Deleted Images**

You can recover images or sound files that were taken with this camera and then deleted.



If any of the following operations have been performed after deleting an image, the deleted image and sound file cannot be recovered.

- Shooting
- Protect setting/DPOF setting/Resizing/Cropping
- Registering a subscreen image
- Formatting
- Removing the SD Memory Card
- After deleting a file, press the four-way controller (▼).

  The Playback Mode Palette appears.
- Use the four-way controller (▲ ▼ ◀ ▶) to select ⅙ (Image Recovery).

When **S** is displayed, there are no images that can be recovered.



**3** Press the OK button.

The number of recoverable images appears.

If you selected  $\otimes$  and pressed the **OK** button, the message [No image to be processed] appears. In this case, press the **OK** button to return to the Playback Mode Palette.

Use the four-way controller (▲▼) to select [Recover].



The files are recovered.



- Recovered images and sound files have the same file name as before they were deleted.
- · Up to 999 deleted image files can be recovered.

# Protecting Images and Sound Files from Deletion (Protect)

You can protect stored images and sound files from being accidentally deleted.

- In ▶ mode, use the four-way controller (◀▶) to choose the image you want to protect.
- Press the four-way controller (▼).
  The Playback Mode Palette appears.
- Use the four-way controller
  (▲▼◀▶) to select O¬¬¬
  (Protect).



4 Press the OK button.

The screen for selecting [Single Image/Sound] or [All Images/Sounds] appears.

Use the four-way controller
(▲ ▼) to select [Single Image/
Sound].



The message [Protects this image/sound] appears.

To protect another image or sound file, use the four-way controller  $(\blacktriangleleft \blacktriangleright)$  to select another image or sound file.

## Use the four-way controller (▲ ▼) to select [Protect].



#### Press the OK button.

The selected image or sound file is protected and the screen shown in Step 5 reappears.

To protect other images or sound files, repeat Steps 5 to 8. Select [Cancel] to exit the Protect settings.



- To cancel the protection of the image, select [Unprotect] in Step 7.
- 🔄 appears on the protected images and sound files during playback.
- The maximum number of images and sound files you can protect in succession with [Single Image/Sound] is 99.

#### To Protect All Images and Sound Files

Select [All Images/Sounds] in Step 5 on p.152.



- Press the OK button.
- Use the four-way controller (▲ ▼) to select [Protect].



4 Press the OK button.

All the images and sound files are protected and the screen shown in Step 1 reappears.

Use the four-way controller (▲ ▼) to select [Cancel] and press the OK button.

The Playback Mode Palette reappears.



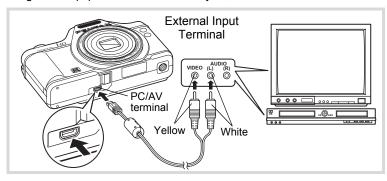
Protected images and sound files will be deleted if the SD Memory Card is formatted (p.194).



To cancel the protection of all your images and sound files, select [Unprotect] in Step 3.

# Connecting the Camera to AV Equipment

By using the supplied AV cable (I-AVC7), you can capture and play back images on equipment with a video IN jack, such as a TV.



- Turn the AV device and camera off.
- Connect the AV cable to the PC/AV terminal of the camera.

Connect the terminal of the AV cable with arrow mark  $\leftarrow$  facing the front side of the camera.

Connect the other ends of the AV cable to the video input terminal and audio input terminal of the AV device.

When using stereo sound equipment, insert the sound terminal into the L (white) terminal.

4 Turn the AV device on.

When the device that the camera is connected to and the device that plays back images are different, turn both devices on.

When viewing images on AV equipment with multiple video input terminals (such as a TV), refer to the operation manual of the device and select the video input terminal to which the camera is connected.

#### Turn the camera on.



- The Power lamp on the camera lights up during a connection.
- It is recommended to use the optional AC adapter kit K-AC92 if you intend to use the camera for a long time (p.35).
- Depending on the country or region, images and sound files may fail
  to be played back if the video output format is set differently from the
  one in use there. If this happens, change the video output format
  setting (p.204).
- The camera display turns off and the volume cannot be adjusted with the zoom lever while the camera is connected to AV equipment.



When connecting to and playing back images on AV equipment, image data is output at normal screen resolution. To view movies recorded at 1286 (1280×720, 30 fps) and 1286 (1280×720, 15 fps) in HDTV, transfer the data to a computer and play it back on the computer (p.213).

# 5 Editing and Printing Images

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#### **About printing**

The following options are available for printing images taken with this camera.

- 1 Use a printing service.
- 2 Use your printer with an SD Memory Card slot to print directly from the SD Memory Card.
- 3 Use your computer's software to print images.

## Changing the Image Size (Resize)

By changing the recorded pixels of a selected image, you can make the file size smaller than the original. You can use this function to continue taking pictures when the SD Memory Card or the built-in memory is full, by making the images smaller and overwriting the original images to make more space available.



- · Panoramic images and movies cannot be resized.
- You cannot select a larger resolution than that of the original image.
- In ► mode, use the four-way controller ( ► ) to choose the image you want to resize.
- Press the four-way controller (▼).
  The Playback Mode Palette appears.
- Use the four-way controller
   (▲▼◀►) to select ☑
   (Resize).



4 Press the OK button.

The screen for choosing the number of recorded pixels appears.

Use the four-way controller (◄►) to select the number of recorded pixels.



A confirmation dialog for overwriting the image appears. If the selected image is protected, the processed image is saved as a new image and the following confirmation dialog does not appear.

Use the four-way controller (▲▼) to select [Overwrite] or [Save as].



Press the OK button.

The resized image is saved.

## **Cropping Images**

You can delete the unwanted part of a picture and save the cropped image as a new image.



Panoramic images and movies cannot be cropped.

- In ▶ mode, use the four-way controller (◀▶) to choose the image you want to crop.
- Press the four-way controller (▼).

  The Playback Mode Palette appears.
- Juse the four-way controller (▲▼ ◀ ►) to select ☐ (Cropping).



## 4

#### Press the OK button.

The cropping screen appears.

The largest size of cropped image is shown with a green frame on the screen. The cropped image cannot be larger than this cropping frame size.

## **5** Choose the cropping area.

The following operations move the green frame and set the area for cropping on the screen.

Zoom lever	Changes the size of the cropped section.
Four-way controller (▲ ▼ ◀ ▶)	Moves the cropping position up, down, left and right.
Green button	Rotates the cropping frame.  The button is displayed only when the cropping frame size can be rotated.



## 6

#### Press the OK button.

The cropped image is saved with a new file name.

The number of recorded pixels is selected automatically according to the size of the cropped section.

## **Processing Images So That Faces Look Smaller**

Images are processed to reduce the size of people's faces detected with the Face Detection function (p.70) when taking pictures so that they look smaller.

- In ▶ mode, use the four-way controller (◀▶) to choose the image you want to edit.
- Press the four-way controller (▼).
  The Playback Mode Palette appears.

Use the four-way controller (▲▼◀►) to select (Small Face Filter).

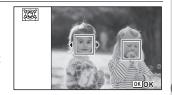


Press the OK button.

Face detection frames for faces that can be corrected are displayed. Proceed to Step 6 when there is only one detection frame.

Use the four-way controller (▲ ▼ ◀ ►) to select a face to be processed.

A green frame indicates the face that is to be processed.



- **6** Press the OK button.
- Use the four-way controller (◀▶) to change the reduction ratio.



**8** Press the OK button.

A confirmation dialog for overwriting the image appears. If the selected image is protected, the processed image is say

If the selected image is protected, the processed image is saved as a new image and the following confirmation dialog does not appear.

Use the four-way controller
 (▲▼) to select [Overwrite] or
 [Save as].





The camera returns to **I** mode and the processed image is displayed.



You may not be able to process images in the following situations:

- When the size of face taken in relation to an image is too large or too small
- When faces are located in the edges of an image

In such cases, the face detection frame in Step 4 will not appear.

## **Using the Digital Filters**

This function lets you change the color tones and perform special processing on a selected image.

B&W	Processes the image into one that has the look of a black and white photograph.
Sepia	Processes the image into one that has the look of a sepia photograph.
Toy Camera	Processes the image that looks as though it was shot with a toy camera.
Retro	Processes the image into one that has the look of an old photo.
Color	Processes the image using the selected color filter. You can choose from six filters: red, pink, purple, blue, green, and yellow.
Extract Color	Extracts only a specific color and processes the rest of the image into black and white. You can choose from three filters: red, green, and blue.
Color Emphasis	There are four filters: Sky Blue/Fresh Green/Delicate Pink/Autumn Leaves.
High Contrast	Enhances the contrast of an image.
Starburst	Processes the image with a special sparkling look achieved by adding cross-like effects to a highlight area, such as night scenes or lights reflected on water. You can choose from three filters: Cross, Heart, and Star.
Soft	Processes the image into a soft image that appears soft overall.
Brightness Filter	Adjusts the brightness of the image.



Panoramic images, movies or images taken with another camera cannot be edited using Digital Filter function.

- In ▶ mode, use the four-way controller ( ◄ ▶ ) to choose the image you want to edit.
- Press the four-way controller (▼).

The Playback Mode Palette appears.

3 Use the four-way controller (▲ ▼ ◀ ▶ ) to select 🖾 (Digital Filter).



1 Press the OK button.

The filter selection screen appears.

- 1 B&W
- 2 Sepia
- 3 Tov Camera
- 4 Retro
- 5 Color
- 6 Extract Color
- 7 Color Emphasis
- 8 High Contrast
- 9 Starburst
- **10** Soft
- 11 Brightness Filter

5 MENU|Cancel ок ок

B&W

Subsequent steps vary depending on your selection.

#### To Select a B&W, Sepia or Soft Filter

5 Use the four-way controller (▲ ▼) to choose a filter. The preview image of the results of the filter effect appears.

ĥ Press the OK button.

A confirmation dialog for overwriting the image appears.

If the selected image is protected, the processed image is saved as a new image and the following confirmation dialog does not appear.

Use the four-way controller (▲ ▼) to select [Overwrite] or [Save as].



Press the OK button.

The image processed with the filter is saved.

To Select a Retro, Color, Extract Color, Color Emphasis or Starburst Filter

- **5** Use the four-way controller (▲ ▼) to choose a filter.
- Use the four-way controller (◀▶) to adjust the effect.



	Four-way controller (◀)	Default Setting	Four-way controller (►)
Retro	Blue	Original image	Amber

Color	$Red \leftrightarrow Pink \leftrightarrow Purple \leftrightarrow Blue \leftrightarrow Green \leftrightarrow Yellow$
Extract Color	$Red \leftrightarrow Green \leftrightarrow Blue$
Color Emphasis	Sky Blue $\leftrightarrow$ Fresh Green $\leftrightarrow$ Delicate Pink $\leftrightarrow$ Autumn Leaves
Starburst	$Cross \leftrightarrow Heart \leftrightarrow Star$

Press the OK button.

A confirmation dialog for overwriting the image appears.

If the selected image is protected, the processed image is saved as a new image and the following confirmation dialog does not appear. Use the four-way controller (▲ ▼) to select [Overwrite] or [Save as].

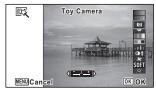


Press the OK button.

The image processed with the filter is saved.

#### To Select a Toy Camera, High Contrast or Brightness Filter

- 5 Use the four-way controller (▲ ▼) to choose a filter.
- ĥ Use the four-way controller (◀▶) to adjust the effect.



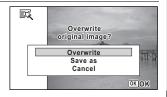
	Four-way controller (◀)	Default Setting	Four-way controller (►)
Toy Camera	Weak	Standard	Strong
High Contrast	Weak	Standard	Strong
Brightness Filter	Dark	Standard	Bright

Press the OK button.

A confirmation dialog for overwriting the image appears.

If the selected image is protected, the processed image is saved as a new image and the following confirmation dialog does not appear.

Use the four-way controller (▲ ▼) to select [Overwrite] or [Save as].



## 9

#### Press the OK button.

The image processed with the filter is saved.

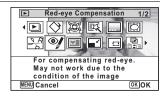
## **Red-eye Compensation**

You can correct images where the flash has caused the subject to appear with red eyes.



- The red-eye compensation function cannot be used on panoramic images, movies or on images where red eyes cannot be detected on the camera. An error message appears in Step 4.
- The red-eye compensation function can only be used with still pictures taken with this camera.
- In ▶ mode, use the four-way controller (◀▶) to choose the image you want to correct.
- Press the four-way controller (▼).

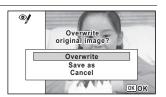
  The Playback Mode Palette appears.
- Use the four-way controller (▲▼◀▶) to select ᢀ (Redeye Compensation).



4 Press the OK button.

A confirmation dialog for overwriting the image appears. If the selected image is protected, the processed image is saved as a new image and the following confirmation dialog does not appear.

Use the four-way controller
 (▲▼) to select [Overwrite] or
 [Save as].



The edited image is saved.

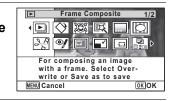
## Adding a Frame (Frame Composite)

This function lets you add a decorative frame to still pictures. Choose a frame from 90 frames already registered in the camera.



The Frame Composite function cannot be used on panoramic images, images recorded with 1024/640 in [Recorded Pixels], or movies. An error message appears in Step 4.

- In ▶ mode, use the four-way controller (◀▶) to choose the image to which you want to add a frame.
- Press the four-way controller (▼).
  The Playback Mode Palette appears.
- Use the four-way controller (▲▼◀►) to select ⊙ (Frame Composite).



- 4 Press the OK button.
  - The 12-frame display of the frame selection screen appears.
- Use the four-way controller
   (▲▼◀►) to choose a frame.

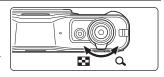


## Turn the zoom lever to the right (△).

The selected frame appears in singleimage display.

You can choose another frame using either of the following operations.

Four-way controller (◀►)	Press to choose a different frame.
the left (■)	Returns to the 12-frame display of the frame selection screen, and then perform Step 5 to choose a different frame.





#### Press the OK button.

The frame position and size adjustment screen appears.

You can adjust the image using either of the following operations.

Four-way controller (▲▼◀▶)	Press to adjust the position of the image
Zoom lever	Turn to make the image larger or smaller.



#### Press the OK button.

A confirmation dialog for overwriting the image appears.

If the selected image is protected, the processed image is saved as a new image and the following confirmation dialog does not appear.

Use the four-way controller
(▲ ▼) to select [Overwrite] or
[Save as].





The edited image is saved with the recorded pixels of 3M (2048×1536)/2.1Miss (1920×1080).

#### **Optional Frames**

The optional frames are stored in the built-in memory in the Optio I-10. These optional frames are deleted if the files on the built-in memory are deleted with a computer or the built-in memory is formatted. To reload the optional frames into the built-in memory, copy the files from the CD-ROM (S-SW102) supplied with the camera.

#### To Copy Frames

- Remove the SD Memory Card from the camera. If you leave the SD Memory Card in the camera, the frames will be copied onto the card, not into the camera's built-in memory.
- Connect the camera to the computer using the provided USB cable (I-USB7). Refer to "Connecting to a Computer" (p.213) for instructions on

connecting the camera to a computer.

- 3 When the device detection window opens, click [Cancel].
- Insert the CD-ROM (S-SW102) into the CD-ROM drive.
- 5 When the installer window opens, click [EXIT].
- ß If there is not already a "FRAME" folder in the root directory of the camera (removable disk), create the folder.
- 7 Copy the desired files from the FRAME folder in the root directory of the CD-ROM to the FRAME folder on the camera (removable disk).

For information on working with files on your computer, refer to the instruction manual supplied with the computer.

8 Disconnect the USB cable from the computer and camera.

Refer to "Connecting to a Computer" (p.213) for instructions on disconnecting the cable.



Frames can be stored both in the built-in memory and on the SD Memory Cards, but using large numbers of frames may slow down processing times.

#### To Use a New Frame

The frames downloaded from the PENTAX website or other source can be used for adding a frame to pictures.



- Extract the downloaded frame and copy it to the FRAME folder in the built-in memory or the SD Memory Card.
- The FRAME folder is created when the SD Memory Card is formatted with this camera.
- For more information on downloading, refer to the PENTAX website.

## **Overlaying Your Original Frame on an Image**

You can overlay your original frame (decorative frame) on an image. You can select the type and color of an original frame and its position. Text can also be entered.

#### **Frame**

Type of original frame	Blur/Edge Composite
Frame Type	■ (All sides)/■ (Upper and lower sides)/■ (Right and left sides)/■ (Upper side)/■ (Lower side)/■ (Left side)/■ (Right side)
Color	White/Gray/Black/Pink/Pumpkin/Dark red/Dark green

#### **Text Stamp**

Available characters	A – Z, a – z, 0 – 9, Symbols
Display Position	(Upper-left)/ (Upper-center)/ (Upper-right)/ (Lower-left)/ (Lower-center)/ (Lower-right)
Color	White/Gray/Black/Pink/Pumpkin/Dark red/Dark green



The Original Frame function cannot be used on panoramic images, images recorded with [3M]/2.1MIGE /[1024]/[640] in [Recorded Pixels], or movies. An error message appears in Step 4.

ß

- In ▶ mode, use the four-way controller (◀▶) to choose the image you want to add a frame.
- Press the four-way controller (▼).

The Playback Mode Palette appears.

Use the four-way controller
(▲▼◀▶) to select ....
(Original Frame).

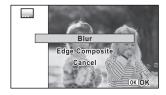


Press the OK button.

The original frame type selecting screen appears.

Use the four-way controller
(▲▼) to select an original
frame type, and press the OK
button.

The frame setting screen appears.



Use the four-way controller (▲ ▼) to select [Frame Type], and press the four-way controller (►).



- Juse the four-way controller ( ▼ ) to select a frame type.
- Set [Color] in the same way as in Steps 6 and 7.
- **9** Adjust the position of the frame and image.

For details, refer to "To Adjust the Position of the Frame and an Image" (p.174).

# Use the four-way controller (▲ ▼) to select [Text Stamp].

The Text Stamp screen appears.

When you do not enter characters, proceed to Step 12.

## **11** Set up the text stamp.

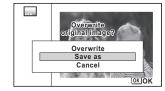
For details, refer to "To Set Up Text Stamp" (p.175).



## Press the OK button.

A confirmation dialog for overwriting the image appears. If the selected image is protected, the processed image is saved as a new image and the following confirmation dialog does not appear.

Use the four-way controller
(▲ ▼) to select [Overwrite] or
[Save as].



#### Press the OK button.

The edited image is saved with the recorded pixels of 5M (2592×1944)/3.8MIGS (2592×1464).

## To Adjust the Position of the Frame and an Image

#### Press the Green button.

The frame position adjustment screen appears.

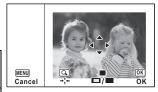
Four-way controller (▲▼◀▶)	Press to adjust the position of the filter
Zoom lever to the right (4)	Turn to make the filter larger
Zoom lever to the left (■)	Turn to make the filter smaller



## Press the Green button.

The image position adjustment screen appears.

Four-way controller (▲▼◀▶)	Press to adjust the position of the image
Zoom lever to the right (4)	Turn to make the image larger
Zoom lever to the left (➡)	Turn to make the image smaller



## Press the OK button.

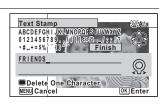
The screen returns to the original screen.

#### To Set Up Text Stamp

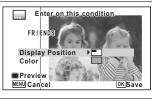
Use the four-way controller (▲▼ ◀ ▶) to select a character and press the OK button.

The selected character is input. Up to 52 characters can be input.

© button	Press to switch between upper and lower case
Zoom lever to the right (4)	Turn to move the cursor to the right
Zoom lever to the left (■)	Turn to move the cursor to the left
Green button	Press to delete the character



- Use the four-way controller (▲ ▼ ◀ ▶) to select [Finish] and press the OK button.
- Use the four-way controller (▲ ▼) to select [Display Position] and press the fourway controller (▶).



- Use the four-way controller (▲ ▼) to select the display position and press the four-way controller (◄).
- Use the four-way controller (▲ ▼) to select [Color] and press the four-way controller (►).
- Use the four-way controller (▲ ▼) to select the color and press the four-way controller (◄).
- Press the OK button.

#### To View the Preview Screen

Press the Green button.

The preview screen appears.



2 Press the MENU button.

The screen returns to the original screen.

## **Editing Movies**

You can select a frame from the recorded movie to save as a still picture. divide a movie into two, or add a title picture to a movie.

- 1 In ▶ mode, use the four-way controller (◀▶) to choose the movie you want to edit.
- 2 Press the four-way controller (▼). The Playback Mode Palette appears.
- 3 Use the four-way controller (▲▼◀▶) to select ¾ (Movie Edit).



Press the OK button

The movie edit selection screen appears.

Subsequent steps vary depending on your selection.



**100-0042** 

Select the image

to save

00:06

ок ок

#### To Save a Frame from a Movie as a Still Picture

- Select [Save as Still Image] on the movie edit selection screen.
- Press the OK button.

The screen appears for selecting a frame to be saved as a still picture.

₽□

MENU Cancel

- Use the four-way controller (▲▼◀▶) to choose the frame you want to save.
  - Plays or pauses the movie
  - Stops the movie and returns to the first frame
  - Reverses the movie frame by frame
  - ▶ Advances the movie frame by frame
- Press the OK button.

The selected frame is saved as a still picture.

#### To Divide a Movie

- Select [Divide Movies] on the movie edit selection screen.
- Press the OK button.

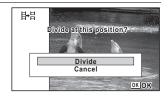
The screen for choosing the dividing position appears.

- Use the four-way controller (▲ ▼ ◀ ▶) to determine the dividing position.
  - Plays or pauses the movie
  - Stops the movie and returns to the first frame
  - Reverses the movie frame by frame
  - ▶ Advances the movie frame by frame



A confirmation dialog appears.

Use the four-way controller (▲ ▼) to select [Divide].



Press the OK button.

The movie is divided at the specified position, the two portions are saved as new files, and the original one is deleted.



The protected movies cannot be divided.

#### To Add a Title Picture to a Movie

- Select [Adding title picture] on the movie edit selection screen.
- Press the OK button.

The screen appears for selecting a title picture.

Use the four-way controller (◄►) to choose the desired title picture.

Only images available for use with the title picture are displayed.

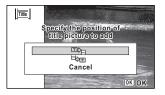
Press the OK button.

The screen appears for confirming the position of the title picture.

Use the four-way controller(▲▼) to select the position.

Adds the title picture to the beginning of the movie

Adds the title picture to the end of the movie





### Press the OK button.

The selected picture is saved as the title picture.



When a title picture is added to the beginning of a movie: When the
movie is played back, the still picture is played back for three seconds,
and then the movie is played back. The still picture registered as title
picture is used as the thumbnail of the movie.

When a title picture is added to the end of a movie: When the movie is played back, the movie is played back, and then the still picture is played back for three seconds. The thumbnail of the movie is not changed by adding a title picture to the end of the movie.

# **Copying Images and Sound Files**

You can copy images and sound files from the built-in memory to the SD Memory Card and vice versa. This function can be selected only when an SD Memory Card has been inserted in the camera.



Make sure that the camera is turned off before inserting or removing the SD Memory Card.

- Press the four-way controller (▼) in ▶ mode.

  The Playback Mode Palette appears.
- Use the four-way controller (▲ ▼ ◀ ▶) to select ♣ (Image/ Sound Copy).



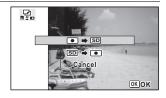
Press the OK button.

The copying method selection screen appears. Subsequent steps vary depending on your selection.

### To Copy Files from the Built-in Memory to the SD Memory Card

All the images and sound files in the built-in memory are copied to the SD Memory Card at once. Before copying the images, make sure that there is enough space on the SD Memory Card.

Use the four-way controller (▲▼) to select [●➡SD].



**5** Press the OK button.

All the images and sound files are copied to the SD Memory Card.

### To Copy Files from the SD Memory Card to the Built-in Memory

Selected images and sound files from the SD Memory Card are copied to the built-in memory one at a time.

- 4 Use the four-way controller (▲ ▼) to select [SD ➡ ●].
- **5** Press the OK button.
- Use the four-way controller (◀▶) to select the image/ sound file you want to copy.



Press the OK button.

The selected image/sound file is copied to the built-in memory. To copy other images or sound files, repeat Steps 4 to 7. Select [Cancel] to exit the settings.



- If sound (voice memo) has been added to an image, the image is copied with the sound.
- When a file is copied from the SD Memory Card to the built-in memory, it is assigned a new file name.

# **Setting the Printing Service (DPOF)**

DPOF (Digital Print Order Format) is the format for storing print order data on still pictures captured with a digital camera. Once the print order data has been stored, the pictures can be printed according to the DPOF settings using a DPOF-compatible printer or photo processing lab. You cannot store print order data for movies or sound-only files.



If the picture already has the date and/or time imprinted on it (p.119), do not set [Date] 

(On) in DPOF settings. If you select 

the imprinted date and/or time may overlap.

# Printing a Single Image

Set the following items for each image.

Copies	Choose the number of copies up to 99.
Date	Specify whether you want the date inserted on the print or not.

- In ▶ mode, press the four-way controller (▼). The Playback Mode Palette appears.
- 2 Use the four-way controller (▲ ▼ ◀ ▶) to select \( \bigcirc \) (DPOF).



- 3 Press the OK button. The DPOF setting method selection screen appears.
- 4 Use the four-way controller (▲ ▼) to select [Single Image].



8

5

### Press the OK button.

The message [Applies DPOF settings to this image] appears.

ĥ Use the four-way controller (◀▶) to select an image.

If DPOF settings have already been made for an image, the previous number of copies and date setting (♥ or □) will be displayed.

Use the four-way controller (▲ ▼) to choose the number of copies.



Press the Green button to switch w or □ for [Date] setting.

- The date will be imprinted. **₩** 
  - The date will not be imprinted.

To continue setting DPOF print order data, repeat Steps 6 to 8.



### Press the OK button.

The setting is saved and the screen shown in Step 4 reappears.



Depending on the printer or printing equipment at the photo processing lab, the date may not be imprinted on the pictures even if \(\overline{\pi}\) (On) is selected for [Date] in the DPOF settings.



To cancel DPOF settings, set the number of copies to [00] in Step 7 and press the **OK** button.

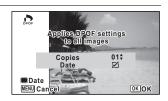
# **Printing All Images**

When you choose the number of copies and whether or not to insert the date, the settings are applied to all the images stored in the camera.

- Select [All Images] in Step 4 on p.181.
- Press the OK button.

  The message [Applies DPOF settings to all images] appears.
- Choose the number of copies and switch ✓ or □ for [Date] setting.

Refer to Steps 7 and 8 in "Printing a Single Image" (p.182) for details of how to make the settings.



Press the OK button.

The settings for all the images are saved and the DPOF setting method selection screen reappears.



- The number of copies specified in the [All Images] setting applies to all the images. Before printing, check that the number is correct.
- Settings for single images are canceled when settings are made with [All Images].

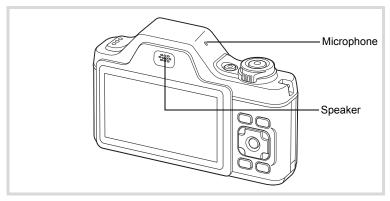
### Memo

# 6 Recording and Playing Back Sound

Recording Sound (Voice Recording)	
1	86
Adding a Voice Memo to Images1	

# **Recording Sound (Voice Recording)**

You can record sound with the camera. The microphone is located on the top of the camera next to the Power switch. When recording sound, aim the camera at the sound source to obtain the best sound quality.



# **Setting the Voice Recording Function**

To use the Voice Recording function, assign it to the Green button first.

- Press the MENU button in node.
  - The [ Rec. Mode] menu appears.
- Use the four-way controller (▲ ▼) to select [Green Button].
- Press the four-way controller (►).
  A pull-down menu appears.
- Use the four-way controller (▲ ▼) to select [Voice Recording] and press the OK button.

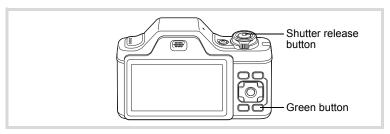


1 01:30:32

### 5 Press the MENU button.

The Voice Recording function is assigned to the Green button.

# **Recording Sound**



# Press the Green button in node.

The camera enters the Voice Recording mode. The remaining recordable time and the recording time of the current file appear on the display.

- 1 Recording time
- 2 Remaining recordable time

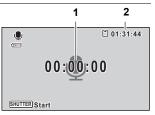
### 2 Press the shutter release button fully.

Recording starts. The self-timer lamp blinks during recording.

You can record sounds continuously for up to 24 hours.

When the Green button is pressed during recording, an index is added to the current sound file.

3 Press the shutter release button fully. Recording stops.



00:01):22

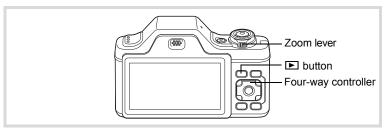
Index SHUTTER Stop



- If you press and hold down the shutter release button for more than one second in Step 2, recording continues until you take your finger off the button. This is useful for recording short sound.
- The sound is saved in WAVE monaural files.

# **Playing Back Sound**

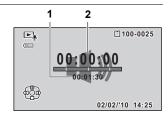
You can play back the sound files you made in Voice Recording.



- Press the ▶ button.
- Use the four-way controller (◄►) to choose the sound file to play back.
- Press the four-way controller (▲).

Playback starts.

- 1 Total file recording time
- 2 Playback time

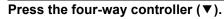


### Available operations during playback

Zoom lever to the right (♣)	Increases the volume.
Zoom lever to the left ( !!!)	Reduces the volume.
Four-way controller (▲)	Pauses playback.
Four-way controller (◀)	(If there are no recorded indexes) Fast-reverses playback. (If there are recorded indexes) Plays back starting from the previous index.
Four-way controller (▶)	(If there are no recorded indexes) Fast-forwards playback. (If there are recorded indexes) Plays back starting from the next index.

### Available operations while playback is paused

Four-way controller (▲)	Resumes playback.
Four-way controller (◀)	Rewinds approx. 5 seconds.
Four-way controller (▶)	Advances approx. 5 seconds.



Playback stops.

You can add a voice memo to your still pictures.

# **Recording a Voice Memo**

- In ▶ mode, use the four-way controller (◀▶) to choose the still picture to which you want to add a voice memo.
- Press the four-way controller (▼).
  The Playback Mode Palette appears.
- Use the four-way controller
   (▲ ▼ ◀ ▶) to select (Voice Memo).



Press the OK button.

Recording starts. You can record a voice memo continuously for up to 24 hours



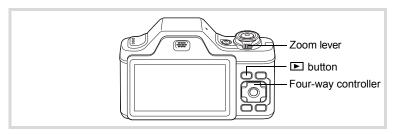
**5** Press the OK button.

Recording stops.



- A voice memo cannot be added to the image that already has a voice memo. Delete the old voice memo (p.147) and record a new one.
- A voice memo cannot be added to protected images (p.152).

# Playing Back a Voice Memo



In ▶ mode, use the four-way controller (◀▶) to choose the still picture with the voice memo that you want to play back.

□ appears on images with voice memos in single-image display.

Press the four-way controller **(**▲).

Playback starts.

### Available operations during playback

Zoom lever to the right ([])	Increases the volume
Zoom lever to the left ( •••• )	Reduces the volume



Press the four-way controller (▼).

Playback stops.

To Delete the Sound from an Image ™p.147

### Memo

# Settings

Camera Settings	 19	4

# Formatting an SD Memory Card

Formatting deletes all the data on the SD Memory Card.

Be sure to use this camera to format (initialize) an SD Memory Card that is unused or has been used on other cameras or digital devices.



- Do not remove the SD Memory Card during formatting as this may damage the card and render it unusable.
- Formatting deletes protected images and any data recorded on the card with a computer or any camera.
- SD Memory Cards formatted on a computer or device other than this camera cannot be used. Be sure to format the card with the camera.
- The built-in memory cannot be formatted except when an error occurs.
- Press the MENU button in ▶ mode.

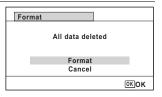
The [ Setting] menu appears.

When you press the **MENU** button in **n** mode, press the four-way controller (▶) once.

- 2 Use the four-way controller (▲ ▼) to select [Format].
- **3** Press the four-way controller (▶).

The [Format] screen appears.

Use the four-way controller (▲▼) to select [Format].



**5** Press the OK button.

Formatting starts.

When formatting is completed, the camera returns to **n** mode or **n** mode.

# **Changing the Sound Settings**

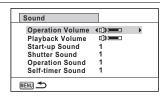
You can adjust the volume of operation sounds and change the type of sound.

- Press the MENU button in **\bigcip** mode.
  - The [ Setting] menu appears.

When you press the **MENU** button in **\Omega** mode, press the four-way controller (▶) once.

- 2 Use the four-way controller (▲ ▼) to select [Sound].
- Press the four-way controller **(▶)**.

The [Sound] screen appears.



### To Change the Operation Volume/Playback Volume

- 1 Use the four-way controller (▲ ▼) to select [Operation Volume].
- 5 Use the four-way controller (◀▶) to adjust the volume. Set the volume to 0 to mute the start-up sound, shutter sound, operation sound, and self-timer sound.
- ĥ Change [Playback Volume] in the same way as in Steps 4 and 5.

### To Change the Sound Type

- 4 Use the four-way controller (▲ ▼) to select [Start-up Sound].
- 5 Press the four-way controller (▶). A pull-down menu appears.

Use the four-way controller (▲ ▼) to select the sound type.

Choose from [1], [2], [3], [4] or [Off].

- Press the OK button.
- Set [Shutter Sound], [Operation Sound] and [Self-timer Sound] in the same way as in Steps 4 to 7.
- 9 Press the MENU button twice.

The camera returns to node or mode.

# **Changing the Date and Time**

You can change the initial date and time settings (p.47). You can also set the format in which the date appears on the camera.

1 Press the MENU button in **D** mode.

The [♣ Setting] menu appears.

When you press the **MENU** button in 

 mode, press the four-way controller (▶) once.

- Use the four-way controller (▲ ▼) to select [Date Adjustment].
- Press the four-way controller (►).

The [Date Adjustment] screen appears.

Press the four-way controller (▶).

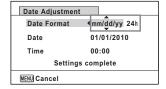
The frame moves to [mm/dd/yy].

Depending on the initial setting or previous setting, [dd/mm/yy] or [yy/mm/dd] may be displayed.

Use the four-way controller (▲ ▼) to choose the date and time display style.

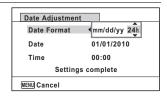
Choose from [mm/dd/yy], [dd/mm/yy] or

[yy/mm/dd].



The frame moves to [24h].

Use the four-way controller (▲▼) to select [24h] (24-hour display) or [12h] (12-hour display).

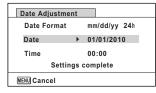


**8** Press the four-way controller (▶).

The frame returns to [Date Format].

Press the four-way controller (▼).

The frame moves to [Date].



Press the four-way controller (▶).

The frame moves to one of the following items depending on the date format set in Step 5.

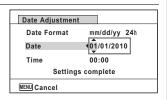
Month for [mm/dd/yy]

Day for [dd/mm/yy]

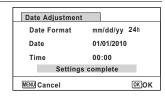
Year for [yy/mm/dd]

The following operations and screens use [mm/dd/yy] as an example. The operations are the same even if another date format has been selected

Use the four-way controller(▲ ▼) to change the month.



- 13 Change the time in the same way as in Steps 8 to 12. If you selected [12h] in Step 7, the setting switches between am and pm corresponding to the time.
- **14** Press the four-way controller (▼) to select [Settings complete].



Press the OK button.

The date and time settings are saved.



When you press the **OK** button in Step 15, the camera clock is reset to 00 seconds. To set the exact time, press the **OK** button when the time signal (on the TV, radio, etc.) reaches 00 seconds.

# 7 Settings

# **Setting the World Time**

The date and time selected in "Setting the Date and Time" (p.47) and "Changing the Date and Time" (p.196) serve as the & (Hometown) date and time. By using the world time function, you can display the time in a city other than the Hometown (+) Destination). This is useful when taking pictures in a different time zone.

### To Set the Destination

Press the MENU button in P mode.

The [ Setting] menu appears.

When you press the **MENU** button in **\tilde{\to}** mode, press the four-way controller (▶) once.

- 2 Use the four-way controller (▲ ▼) to select [World Time].
- 3 Press the four-way controller **(▶)**.

The [World Time] screen appears.

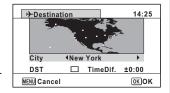
World Time	
Select Time	▶ ☆
→ Destination New York	<u>D</u> ∂∓} 14:25
∆Hometown New York	14:25
MENU 🛳	

- 4 Use the four-way controller (▲ ▼) to select [→ Destination].
- 5 Press the four-way controller (▶).

The [+ Destination] screen appears. The city that is currently selected blinks on the map.

ĥ Use the four-way controller (◀▶) to change the Destination city.

The current time. location and time difference of the selected city appear.



- Use the four-way controller (▲ ▼) to select [DST].
- R Use the four-way controller (◀▶) to select ☑ or □. Select 

  if the Destination city uses daylight saving time.
- 9 Press the OK button.

The settings are saved and the [World Time] screen reappears.

10 Press the MENU button twice.

The camera returns to capture status with the current setting.



Select [ Hometown] in Step 4 to set the city and DST setting for the Hometown city.

### To Display the Time of the Destination (Select Time)

**1** Press the MENU button in **▶** mode.

The [ Setting] menu appears.

When you press the **MENU** button in **□** mode, press the four-way controller (**▶**) once.

- Use the four-way controller (▲ ▼) to select [World Time].
- Press the four-way controller (▶).
  The [World Time] screen appears.
- Use the four-way controller (▲▼) to select [Select Time].

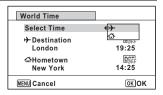


Fress the four-way controller (►).

A pull-down menu appears.

**b** Use the four-way controller (▲▼) to select ナ or 公.

- Displays the time of the Destination city
- ☐ Displays the time of the Hometown city



Press the OK button.

The setting is saved.

# Press the MENU button twice.

The camera returns to **n** mode or **n** mode.

When → (Destination) is selected in Step 6, the → icon appears on the display to indicate that the destination date and time are displayed in 
mode.



# **Setting the Text Size on the Menu**

You can set the text size of the item selected with the cursor on the menu to [Standard] (normal display) or [Large] (magnified display).

- 1 Press the MENU button in ▶ mode.
  - The [ Setting] menu appears.

When you press the **MENU** button in 

 mode, press the four-way controller (▶) once.

- Use the four-way controller (▲ ▼) to select [Text Size].
- **3** Press the four-way controller (▶).

A pull-down menu appears.

Use the four-way controller (▲▼ ◀ ►) to select the text size.

Select from [Standard] or [Large].



**5** Press the OK button.

The setting is saved.

# **Changing the Display Language**

You can change the language in which the menus, error messages, etc. are displayed.

The camera supports the following 20 languages: English, French, German, Spanish, Portuguese, Italian, Dutch, Japanese, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Russian, Thai, Korean and Chinese (traditional and simplified).

- **1** Press the MENU button in ▶ mode.
  - The [♣ Setting] menu appears.

When you press the **MENU** button in 

mode, press the four-way controller (►) once.

- **2** Use the four-way controller (▲ ▼) to select [Language/言語].
- **3** Press the four-way controller (▶).

The [Language/言語] screen appears.

Use the four-way controller (▲▼ ◀ ►) to select the language.



**5** Press the OK button.

The menus and messages are displayed in the selected language.

# **Changing the Naming System of the Folder**

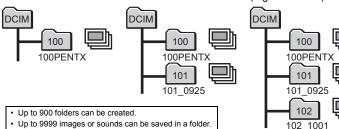
You can change the naming system of the folder for storing images. When the naming system is set to the date, pictures are saved in separate folders by the date they were taken.

PENTX	xxxPENTX (where xxx is the 3-digit folder number)
	xxx_mmdd (3-digit folder number_month day) * xxx_ddmm (3-digit folder number_day month) when the [Date Format] is set to [dd/mm/yy]

Taken with the folder name setting [PENTX]. (e.g. September 25)

Taken with the folder name setting [Date]. (e.g. September 25)

Next time, taken with the folder name setting [Date] again. (e.g. October 1)



- Press the MENU button in \bigsim mode.
  - The [ Setting] menu appears.

When you press the **MENU** button in **\to** mode, press the four-way controller (▶) once.

- 2 Use the four-way controller (▲ ▼) to select [Folder Namel.
- 3 Press the four-way controller (▶).

A pull-down menu appears.

Use the four-way controller (▲▼) to select [PENTX] or [Date].



**5** Press the OK button.

The setting is saved.

# **Changing the Video Output Format**

When you connect the camera to AV equipment, choose the appropriate video output format (NTSC or PAL) for taking and playing back images.

- **1** Press the MENU button in ▶ mode.
  - The [ Setting] menu appears.

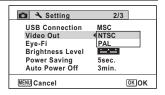
When you press the **MENU** button in **□** mode, press the four-way controller (**▶**) once.

- 2 Use the four-way controller (▲ ▼) to select [Video Out].
- Press the four-way controller (►).

A pull-down menu appears.

Use the four-way controller (▲ ▼) to select a video output format.

Choose the video output format to match the input format of the AV equipment.



**5** Press the OK button.

The setting is saved.



Depending on the country or region, images and sound files may fail to be played back if the video output format is set differently from the one in use there. If this happens, change the video output format setting.

Connecting the Camera to AV Equipment ☞p.155 Video output format of each city ☞p.251

# **Setting the Eye-Fi Communication**

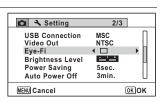
You can automatically transfer images or movies to a computer or similar devices via wireless LAN using a commercially available Eye-Fi card. For details on transferring images, refer to "Transferring Images Using an Eye-Fi Card" (p.237). The default setting is □ (Off).

## **1** Press the MENU button in ▶ mode.

The [ Setting] menu appears.

When you press the **MENU** button in 
 mode, press the four-way controller (►) once.

- Use the four-way controller (▲ ▼) to select [Eye-Fi].
- 3 Use the four-way controller (▲ ▼ ◀ ▶) to select ☑ or □.
  - ▼ Turns on communication using an Eye-Fi card
  - ☐ Turns off communication using an Eye-Fi card



# Press the OK button.

The setting is saved.



- To establish an Eye-Fi communication, you first have to specify a
  wireless LAN access point and transfer destination on the Eye-Fi card.
   For details on how to set up the card, refer to the operating manual
  supplied with the Eye-Fi card.
- The Eye-Fi setting returns to the default setting when the camera is turned off.

# **Adjusting the Brightness of the Display**

You can adjust the brightness of the display.

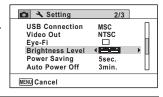
1 Press the MENU button in ▶ mode.

The [ Setting] menu appears.

When you press the **MENU** button in **n** mode, press the four-way controller (▶) once.

- Use the four-way controller (▲ ▼) to select [Brightness Level].
- Use the four-way controller (◀▶) to adjust the brightness.





Press the MENU button.

The camera returns to **n** mode or **n** mode.

The display appears with the set brightness.

# **Using the Power Saving Function**

You can save battery power by setting the display to dim automatically when no operation is performed for a fixed time. After the power saving function has been activated, the display returns to the ordinary brightness if any button is pressed.

**1** Press the MENU button in ▶ mode.

The [ Setting] menu appears.

When you press the **MENU** button in 
 mode, press the four-way controller (▶) once.

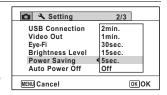
Use the four-way controller (▲ ▼) to select [Power Saving].

3 Press the four-way controller (▶).

A pull-down menu appears.

4 Use the four-way controller (▲ ▼) to select the time until the camera enters power saving mode.

> Choose from [2min.], [1min.], [30sec.], [15sec.], [5sec.] or [Off].



5 Press the OK button.

The setting is saved.



- Power Saving does not function in the following situations:
  - While taking pictures in 

    ☐ (Continuous Shooting) mode
  - In the playback mode
  - While recording a movie
  - While the camera is connected to a computer
  - When using the AC adapter
  - While a menu is being displayed
- When no operation is performed after the camera is turned on. Power Saving is activated only after 15 seconds elapse even if [5sec.] is set.

# **Setting Auto Power Off**

You can set the camera to turn off automatically when no operation is performed for a fixed time.

Press the MENU button in **D** mode.

The [ Setting] menu appears.

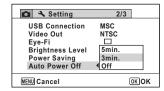
When you press the **MENU** button in **\to** mode, press the four-way controller (▶) once.

- 2 Use the four-way controller (▲ ▼) to select [Auto Power Off1.
- 3 Press the four-way controller (▶).

A pull-down menu appears.

Use the four-way controller (▲ ▼) to select the time until the camera turns off automatically.

Choose from [5min.], [3min.] or [Off].



# **5** Press the OK button.

The setting is saved.



- · Auto Power Off does not function in the following situations:
  - While recording sound in Voice Recording mode
  - While taking pictures in 

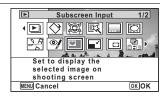
    ☐ (Continuous Shooting) mode
    - While recording a movie
  - During a slideshow or movie/sound playback
  - While the camera is connected to a computer
  - While images are being transferred in Eve-Fi communication.

# Registering the Subscreen Image (Subscreen Input)

You can choose the subscreen image displayed on the upper-left corner of the display.

- One of the 3 pre-installed screens
- One of your own images (compatible images only)
- In ► mode, press the four-way controller (▼).

  The Playback Mode Palette appears.
- Use the four-way controller (▲ ▼ ◀ ▶) to select (Subscreen Input).



Press the OK button.

The image selection screen appears.

# Use the four-way controller (◀▶) to choose the image for the subscreen.

Only images suitable for the subscreen are displayed. You can also choose one of the 3 pre-installed screens already stored in the camera.



### 5 Press the OK button.

The subscreen image is set.



· Once the subscreen image has been set, it will not be deleted even if the original image is deleted or the SD Memory Card is formatted.

# Changing the Start-up Screen

You can choose the start-up screen displayed when the camera is turned on.

You can choose any of the following images as the start-up screen:

- The Guide Display Start-up Screen showing a guide to the shooting modes and buttons
- One of the 3 pre-installed screens
- One of your own images (compatible images only)
- In ▶ mode, press the four-way controller (▼). The Playback Mode Palette appears.
- 2 Use the four-way controller (▲ ▼ ◀ ▶ ) to select 🖼 (Startup Screen).



3 Press the OK button.

The image selection screen appears.

# Use the four-way controller (◄►) to choose the image for the start-up screen.

Only images suitable for the start-up screen are displayed. You can also choose one of the 3 pre-installed screens or the Guide Display Start-up Screen already stored in the camera.



# **5** Press the OK button.

The start-up screen is set.



- Once the start-up screen has been set, it will not be deleted even if the original image is deleted or the SD Memory Card is formatted.
- · Select [Off] to hide the start-up screen.
- The start-up screen is not displayed when the camera starts up in the playback mode.

# Correcting Defective Pixels in the CCD Sensor (Pixel Mapping)

Pixel Mapping is a function for mapping out and correcting defective pixels in the CCD sensor. Run the Pixel Mapping function if image dots always seem to be defective in the same place.

Press the MENU button in 

mode, and press the fourway controller (▶).

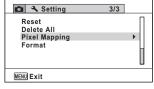
The [ Setting] menu appears.

[Pixel Mapping] cannot be selected when the **MENU** button is pressed in **D** mode.

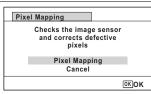
Use the four-way controller (▲ ▼) to select [Pixel Mapping].

3 Press the four-way controller **(▶)**.

The [Pixel Mapping] screen appears.



4 Use the four-way controller (▲ ▼) to select [Pixel Mapping].



5 Press the OK button.

Defective pixels are mapped and corrected.



When the battery level is low, [Not enough battery power remaining to activate Pixel Mapping] is displayed on the monitor. Use the AC adapter kit K-AC92 (optional) or load a charged battery.

# **Resetting to Default Settings (Reset)**

You can reset the camera settings to their defaults. Refer to "Default Settings" (p.246) for the reset settings.

Press the MENU button in **D** mode.

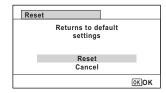
The [ Setting] menu appears.

When you press the **MENU** button in **n** mode, press the four-way controller (▶) once.

- 2 Use the four-way controller (▲ ▼) to select [Reset].
- Press the four-way controller (▶).

The [Reset] screen appears.

# Use the four-way controller (▲ ▼) to select [Reset].



# **5** Press the OK button.

The settings return to the defaults.



The following settings are not affected by resetting:

- Date Adjustment
- World Time
- Language/言語
- Video Out

# 8 Connecting to a Computer

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# **Setting Up Your Computer**

By installing the software included on the provided CD-ROM on your computer and connecting the camera to your computer with the USB cable, you can transfer images and movies captured with your camera to the computer and then display and manage them. This section explains how to install the provided software and the other necessary preparations for enjoying the captured pictures and movies on your computer.

### **Provided Software**

The following software is included in the provided CD-ROM (S-SW102).

 Image viewing/managing/editing software "MediaImpression 2.0 for PENTAX"

(12 languages: English, French, German, Spanish, Portuguese, Italian, Dutch, Swedish, Russian, Chinese [traditional and simplified], Korean, and Japanese)



It is recommended to use the optional AC adapter kit K-AC92 when the camera is connected to a computer (p.35). If the battery runs out of power while images are being transmitted to a computer, the data may be lost or damaged.

# 8 System Requirements

The following system requirements must be met for you to fully enjoy the images and movies captured with the camera on your computer.

#### **Windows**

OS	Windows XP SP2, Windows Vista or Windows 7 The OS must be preinstalled and updated to the latest version.
CPU	Pentium IV 1.6 GHz or equivalent AMD Athlon (Intel Core 2 Duo 2.0 GHz or equivalent AMD Athlon X2 processor recommended)
Memory	512 MB minimum (1 GB or more recommended)
Hard Disk Space	300 MB minimum
Monitor	1024 × 768 pixels, 16-bit color monitor or higher
Others	CD-ROM drive USB port as standard equipment

- \* Operation is not guaranteed on all computers meeting the system requirements.
- \* The system requirements describe the minimum environment for playing movies.



Windows 95, Windows 98, Windows 98SE, Windows Me and Windows NT/Windows 2000 are not supported.

#### Macintosh

os	Mac OS X (Ver.10.3.9, 10.4, 10.5, 10.6)  • The OS must be preinstalled and updated to the latest version.
CPU	Power Macintosh 233 MHz processor or higher (Intel Core Duo processor recommended)
Memory	512 MB minimum (1 GB or more recommended)
Hard Disk Space	300 MB minimum (1 GB or more recommended)
Monitor	1024 × 768 pixels, 16-bit color monitor or higher
Others	CD-ROM drive USB port as standard equipment

- \* Operation is not guaranteed on all computers meeting the system requirements.
- \* The system requirements describe the minimum environment for playing movies

# **Installing the Software**

#### **Windows**

Install the image viewing/managing/editing software (MediaImpression 2.0 for PENTAX).



- · Make sure your Windows PC meets the system requirements before installing the software.
- When multiple accounts have been set up, log on with an account that has administrative rights before installing the software.

## Turn your Windows PC on.

2 Insert the CD-ROM (S-SW102) into the CD-ROM drive. The "MediaImpression 2.0 for PENTAX" installer screen appears.

#### If you are using Windows Vista

When the [AutoPlay] screen appears, display the language selection screen following the steps below.

- 1) Click [Run setup.exe].
- 2) Click [Allow].

#### If the installer screen does not appear

Display the installer screen following the steps below.

- 1) Double-click [My Computer] on the desktop.
- Double-click the [CD-ROM drive (S-SW102)] icon.
- Double-click the [Setup.exe] icon.

# Click [ArcSoft].

The "Choose Setup Language" screen appears.



# Choose a language, and click [OK].

The setup screen appears. Follow the on-screen guidance to install the software.



# **5** Click [Finish].

"MediaImpression 2.0 for PENTAX" installation is complete.



Click [Exit] on the installation screen.

The window closes.

#### Macintosh

Install the image viewing/managing/editing software (MediaImpression 2.0 for PENTAX).

- **1** Turn your Macintosh on.
- Insert the CD-ROM (S-SW102) into the CD-ROM drive.
- **3** Double-click the CD-ROM (S-SW102) icon.
- 4 Double-click the [Pentax Software Installer] icon.

The "MediaImpression 2.0 for PENTAX" installer screen appears.

# **5** Click [ArcSoft].

The setting screen appears.
Follow the on-screen guidance to install the software.



# 6 Click [Close].

"MediaImpression 2.0 for PENTAX" installation is complete.



# Click [Exit] on the installation screen.

The window closes.

#### **Product Registration on the Internet**

In order to better serve you, we request that you complete the product registration.

If your computer is connected to the Internet, please click [Product Registration] on the setup screen after the language selection screen is displayed.

The world map screen shown on the right for Internet Product Registration is displayed. Click the displayed country or region and then follow the instructions to register your product.



Only customers in countries and regions displayed on the software installation screen can register their products on the Internet Product Registration.

# **Setting the USB Connection Mode**

Set the device to which the camera is connected with the USB cable.



Make sure to set the USB connection mode before connecting your camera to the computer. You cannot perform the following setting if the camera is already connected to your computer with the USB cable.

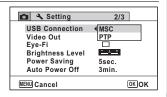
- Turn your camera on.
- Press the MENU button in ▶ mode.

The [ Setting] menu appears.

When you press the **MENU** button in  $\square$  mode, press the four-way controller ( $\triangleright$ ) once.

- Use the four-way controller (▲ ▼) to select [USB Connection].
- Press the four-way controller (▶).

  A pull-down menu appears.
- Use the four-way controller (▲▼) to select [MSC].



**6** Press the OK button.

The setting is saved.

Press the MENU button.

The camera returns to node or mode.

Proceed to the following pages depending on your computer.

Connecting to a Windows PC 🖙 p.221

Connecting to a Macintosh r p.231

#### **MSC and PTP**

#### MSC (Mass Storage Class)

A general-purpose driver program that handles devices connected to the computer via USB as a memory device. Also indicates a standard for controlling USB devices with this driver.

By simply connecting a device that supports USB Mass Storage Class. you can copy, read, and write files from a computer without installing a dedicated driver.

#### PTP (Picture Transfer Protocol)

A protocol that allows transfer of digital images and control of digital cameras via USB, standardized as ISO 15740.

You can transfer image data between devices that support PTP without installing a device driver.

Unless otherwise specified, select MSC when connecting the Optio I-10 to your computer.

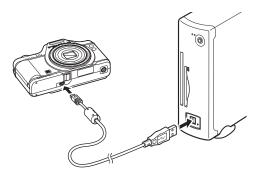
# **Connecting to a Windows PC**

# **Connecting the Camera and Your Windows PC**

Connect your camera to the Windows PC using the provided USB cable (I-USB7).

- 1 Turn your Windows PC on.
- Turn your camera off.
- **3** Connect your camera to the Windows PC using the USB cable.

Connect the terminal of the USB cable with arrow mark  $\leftarrow$  facing the front side of the camera.



4 Turn your camera on.

The "AutoPlay" screen appears.

If the "AutoPlay" screen does not appear, follow the steps in "When the "AutoPlay" Screen Does Not Appear" (p.223).



The self-timer lamp blinks while the camera is connected to a Windows PC.

# **Transferring Images**

Transfer the images captured with the camera to your Windows PC.



If there is no SD Memory Card in the camera, the images stored in the built-in memory will be transferred to your Windows PC.

Click [Import media files to local disk].

The "MediaImpression 2.0 for PENTAX" starts.



Set up [Destination Folder] and select [Subfolder Name].



Select the image you want to copy, then click [Import].

The selected images are copied to the PC.



# Click [Done].



#### When the "AutoPlay" Screen Does Not Appear

5 Double-click the [MediaImpression 2.0 for PENTAX] icon on the desktop.



Click [Import].



Specify [Get Media From].





If the SD Memory Card has a volume label, the volume label name appears instead of [Removable Disk]. A new unformatted SD Memory Card may show the manufacturer's name or model number.

Set up [Destination Folder] and select [Subfolder Name].



**9** Select the image you want to copy, then click [Import].

The selected images are copied to the PC.



Clice [Done].





Images are stored in folders named by the shooting date ("XXX\_0808" for August 8. "XXX" is a three-digit number.).

If [PENTX] is selected for [Folder Name] in the [ $\$  Setting] menu, a folder named "XXXPENTX" (XXX is a three-digit folder number) is displayed and images are stored here.

# **Disconnecting the Camera from Your Windows PC**

Double-click the 🐚 [Safely Remove Hardware] icon in the task bar.



The "Safely Remove Hardware" screen appears.

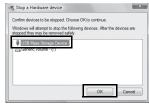
# 2 Select [USB Mass Storage Device] and click [Stop].

The "Stop a Hardware device" screen appears.



Select [USB Mass Storage Device] and click [OK].

A message appears indicating that the hardware can be safely removed.



This device can now be safely removed from the computer.

Safe To Remove Hardware

4 Click [OK], then click [Close].



Disconnect the USB cable from your Windows PC and the camera.



- · If the camera (removable disk) is being used by an application such as "MediaImpression 2.0 for PENTAX", the camera cannot be disconnected until the application is closed.
- · The camera will automatically switch to the playback mode when the USB cable is disconnected from your Windows PC or the camera.

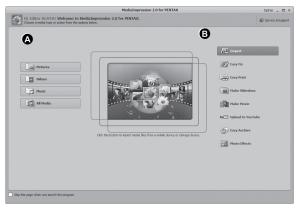
## Starting "MediaImpression 2.0 for PENTAX"

"MediaImpression 2.0 for PENTAX" lets you view, edit, manage, search for, share, and print images.

1 Double-click the [MediaImpression 2.0 for PENTAX] icon on the desktop.

"MediaImpression 2.0 for PENTAX" starts and the main window appears.

#### **Media Window Interface**



<sup>\*</sup> The screen shown is an example with the default settings.

#### A Media browser tool

You can view images, movies, or play back audio files.

#### B Edit/Managing tool

You can edit or manage images. For example, you can import, edit or print images.



\* The screen shown is an example with the default settings.

#### A Folders pane

Displays the configuration of folders in your computer. When you browse a folder, the contents of the folder appear in the media thumbnail pane.

#### B Media thumbnail pane

Displays the contents of the selected folder or the results of the most recent search (the file or folder that matches the search item).

#### C Edit/Managing tool panel

This panel provides editing/managing functions, such as an importing, editing, printing.

# **Viewing Images**

Click [Pictures], [Videos], or [All Media] from the main window.



Select and click the folder containing the image you want to view in the folder pane.

Images are displayed in the media thumbnail pane.



Select and double-click the image you want to view in the media thumbnail pane.

The selected image is displayed with the viewer.

With the viewer, you can enlarge/ reduce the display size of the image or edit it and so on. You can also play back movies or sound files.



#### **Photo Viewer**

The image is displayed on the "Photo Viewer" screen if you double-click the image file directly without starting MediaImpression 2.0 for PENTAX. With the viewer, you can enlarge/reduce the display size of the image or edit it and so on. You can also play back movies or sound files.



## Details on How to Use "MediaImpression 2.0 for PENTAX"

You can find more information on how to use "MediaImpression 2.0 for PENTAX" by using the help pages.

- Click [Help] from [Extras] on the menu bar. The help screen appears.
- 2 Click the desired topic. An explanation is displayed.



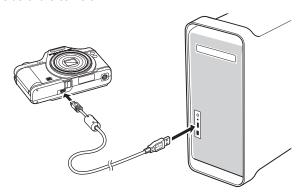
# **Connecting to a Macintosh**

# **Connecting the Camera and Your Macintosh**

Connect your camera to the Macintosh using the provided USB cable (I-USB7).

- Turn your Macintosh on.
- Z Turn your camera off.
- **3** Connect your camera to the Macintosh using the USB cable.

Connect the terminal of the USB cable with arrow mark  $\leftarrow$  facing the front side of the camera



4 Turn your camera on.

The camera is recognized as [NO\_NAME] on the desktop.





- If the SD Memory Card has a volume label, the volume label name appears instead of [NO\_NAME]. A new unformatted SD Memory Card may show the manufacturer's name or model number.
- The self-timer lamp blinks while the camera is connected to a Macintosh.

# **Transferring Images**

Transfer the images captured with the camera to your Macintosh.



If there is no SD Memory Card in the camera, the images stored in the built-in memory will be transferred to your Macintosh.

- 5 Double-click the [MediaImpression] folder inside the [Applications] folder.
- ĥ Double-click the [MediaImpression 2.0 for PENTAX] icon.

"MediaImpression 2.0 for PENTAX" starts and the main browser window appears.

Set up [Destination Folder] and select [Subfolder Name].



Select the image you want to copy, then click [Import].

> The selected images are copied to the PC.



Click [Done].



## **Disconnecting the Camera from Your Macintosh**

- Drag [NO\_NAME] on the desktop to the trash.

  If the SD Memory Card has a volume label, drag the icon of that name to the trash
- **2** Disconnect the USB cable from your Macintosh and the camera.



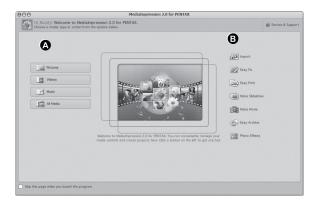
- If the camera (removable disk) is being used by an application such as "MediaImpression 2.0 for PENTAX", the camera cannot be disconnected until the application is closed.
- The camera will automatically switch to the playback mode when the USB cable is disconnected from your Macintosh or the camera.

## Starting "MediaImpression 2.0 for PENTAX"

"MediaImpression 2.0 for PENTAX" lets you view, edit, manage, search for, share, and print images.

- Double-click the [MediaImpression] folder inside the [Applications] folder.
- **2** Double-click the [Medialmpression 2.0 for PENTAX] icon.

"MediaImpression 2.0 for PENTAX" starts and the main browser window appears.



\* The screen shown is an example with the default settings.

#### A Media browser tool

You can view images, movies, or play back audio files.

#### B Edit/Managing tool

You can edit or manage images. For example, you can import, edit or print images.

#### **Media Browser Interface**



\* The screen shown is an example with the default settings.

#### A Folders pane

Displays the configuration of folders in your computer. When you browse a folder, the contents of the folder appear in the media thumbnail pane.

#### B Media thumbnail pane

Displays the contents of the selected folder or the results of the most recent search (the file or folder that matches the search item).

#### C Edit/Managing tool panel

This panel provides editing/managing functions, such as an importing, editing, printing.

# **Viewing Images**

- Click [Pictures], [Videos], or [All Media] from the main window.
- Select and click the folder containing the image you want to view in the folder pane.

Images are displayed in the media thumbnail pane.

Select and double-click the image you want to view in the media thumbnail pane.

The selected image is displayed with the viewer.

With the viewer, you can enlarge/ reduce the display size of the image or edit it and so on. You can also play back movies or sound files.



# Details on How to Use "MediaImpression 2.0 for PENTAX"

You can find more information on how to use "MediaImpression 2.0 for PENTAX" by using the help pages.

- Select [MediaImpression] from [Help] on the menu bar. The help screen appears.
- Click the desired topic.
  An explanation is displayed.

# Transferring Images Using an Eye-Fi Card

You can automatically transfer images or movies to a computer or similar devices via wireless LAN using a memory card that is equipped with the wireless LAN (Eye-Fi card) function.

1 Specify the wireless LAN access point and transfer destination on the Eye-Fi card.

For details on how to set up the card, refer to the operating manual supplied with the Eye-Fi card

- 2 Turn the camera off.
- 3 Insert an Eye-Fi card that has been set up.
- 4 Turn the camera on.
- 5 Set [Eye-Fi] in the [ Setting] menu to ☑ (On).

The images are transferred automatically. For details on how to set up the camera, refer to "Setting the Eye-Fi Communication" (p.205). The following icons appear on the display.

Eye-Fi •))	During Eye-Fi communication. The camera is communicating or searching for the access point when [Eye-Fi] is set to 🗹 (on).
Eye-Fi •	Eye-Fi communication waiting. The camera is not communicating when [Eye-Fi] is set to   ✓ (on).
Eye-Fi	Eye-Fi communication prohibited. When [Eye-Fi] is set to $\Box$ (off).
Eye-Fi	Eye-Fi version error. The version of the Eye-Fi card is out of date

#### Acceptable Eye-Fi cards

- · Eve-Fi Share
- · Eve-Fi Share Video 4GB

Run the latest firmware on your Eye-Fi card.



- When you use a new Eye-Fi card, copy the install file of Eye-Fi Manager stored on the card to your computer before you format the card.
- Do not use an Eye-Fi card, or set [Eye-Fi] to □ (Off) in a location where wireless LAN devices are restricted or prohibited, such as on planes (since images are transferred via wireless LAN).
- If you insert an older version Eye-Fi card in the camera, an error message appears.
- · Images are not transferred in the following cases:
  - When available wireless LAN access points are not found.
  - When the battery level is low ( (yellow) or (red) is indicated).
- · Voice recording sound files cannot be transferred.
- We recommend that you use an AC adapter (optional) when you transfer a large number of images because this often requires long transferring times
- While images are being transferred, the Auto Power Off does not function.
- If you transfer large-sized files, such as a movie, the temperature inside the camera increases and the camera may be automatically turned off to protect the circuit.
- To transfer images via wireless LAN, use of an access point, an Internet environment, and configuration are required. For details, refer to the Internet website (http://www.eye.fi).
- For details on how to use an Eye-Fi card, refer to the operating manual supplied with the Eye-Fi card.
- If you have a problem with the Eye-Fi card, contact the manufacturer
  of the card.
- The camera is equipped with a function that sets Eye-Fi communication on or off, however, this does not guarantee availability of all the functions on the Eye-Fi card.
- Use of the Eye-Fi card is permitted only in the country where you purchased the card. Follow the laws of that country.

# 9 Appendix

Functions Available for Each Shooting	
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# Appen

# Functions Available for Each Shooting Mode

✓: Can be set. 

×: Cannot be set.

Shooting Mode Function		AUTO PICT	P	•	<b>2</b>	P Q Ž Q	•	<b>,22</b>	<b>▲*◎</b> % *   ▽ 答 🖺	
Zoom lever	Zoom operation	<b>√</b> *1	<b>√</b> *1	<b>√</b> *2	<b>√</b> *1	<b>√</b> *1	<b>√</b> *1	<b>√</b> *2	<b>✓</b> *1	
	Face Detection On	,								
button	Smile Capture	<b>✓</b>	/ <b>                                    </b>	~	<b>✓</b>	✓	~	~	✓	
	Face Detection Off	×	<b>✓</b>	✓	✓	×	×	<b>✓</b>	<b>✓</b>	
	⁴₄ (Auto)	<b>✓</b>	<b>✓</b>	~	×	<b>✓</b>	<b>~</b>	×	✓	
	(Flash Off)	<b>✓</b>	<b>✓</b>	~	<b>✓</b>	✓	<b>✓</b>	<b>√</b> *5	✓	
Flash	(Flash On)	<b>~</b>	>	×	<b>~</b>	<b>~</b>	<b>&gt;</b>	×	✓	
Mode	(Auto + Red-eye)	<b>✓</b>	<b>✓</b>	×	×	<b>✓</b>	<b>✓</b>	×	✓	
	(Flash On + Red-eye)	✓	<b>✓</b>	×	<b>✓</b>	<b>✓</b>	<b>✓</b>	×	✓	
	Soft Flash)	<b>✓</b>	<b>✓</b>	×	<b>✓</b>	✓	<b>~</b>	×	✓	
	☐ (Standard)	<b>✓</b>	<b>✓</b>	~	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	✓	
	<ul> <li>♦ (Self-timer)</li> </ul>	. /					. /		<b>√</b>	
Drive		•	•	•	•	•	~	•	•	
	☐ (Continuous Shooting)	.,			.,		*			
Mode	୍ରାଞ୍ଜ (Burst Shooting)		~	^	^	~	~	×	<b>~</b>	
	is (3-sec Remote Control)	- /	~	×	~	<b>✓</b>		,	,	
	i (0-sec Remote Control)	~					~	~	~	
	AF (Standard)	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	✓	
		<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	
Focus		<b>✓</b>	<b>✓</b>	×	<b>✓</b>	✓	<b>~</b>	<b>✓</b>	✓	
Mode	PF (Pan Focus)	<b>✓</b>	<b>✓</b>	~	<b>✓</b>	✓	<b>~</b>	<b>✓</b>	✓	
	▲ (Infinity)	<b>✓</b>	<b>✓</b>	×	<b>✓</b>	✓	<b>~</b>	<b>✓</b>	✓	
	MF (Manual Focus)	<b>✓</b>	<b>~</b>	×	<b>✓</b>	<b>✓</b>	<b>~</b>	<b>~</b>	✓	
	Recorded Pixels	<b>√</b> *7	<b>√</b> *7	×*8	<b>√</b> *7	<b>√</b> *7	×*9	<b>√</b> *10	<b>√</b> *7	
	White Balance	×*15	<b>✓</b>	×*15	<b>✓</b>	×*15	×*15	<b>✓</b>	×*15	
	Focusing Area	×*16	<b>✓</b>	×*16	<b>✓</b>	<b>✓</b>	<b>~</b>	<b>√</b> *17	✓	
	Focus Assist	<b>✓</b>	<b>✓</b>	×*18	<b>✓</b>	<b>✓</b>	<b>✓</b>	×*19	✓	
	AE Metering	×*20	<b>✓</b>	×*20	<b>✓</b>	×*20	×*20	×*20	×*20	
r <b>a</b> Doo	Sensitivity	<b>✓</b>	<b>✓</b>	×*21	<b>✓</b>	<b>✓</b>	<b>~</b>	×*21	✓	
	EV Compensation	×*23	<b>✓</b>	×*23	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	✓	
	D-Range Setting	×	<b>✓</b>	×	<b>✓</b>	<b>✓</b>	<b>~</b>	<b>✓</b>	✓	
Illellu	Shake Reduction	<b>✓</b>	<b>✓</b>	×*18	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>√</b> *10	<b>✓</b>	
	Blink Detection	<b>✓</b>	<b>~</b>	×*18	<b>✓</b>	<b>✓</b>	<b>~</b>	×	✓	
	Sharpness									
	Saturation	×	✓	×*24	✓	×	×	<b>✓</b>	×	
Figure   F										
	Date Imprint	✓	✓	×*19	✓	✓	✓	×	<b>✓</b>	



<sup>\*2</sup> Intelligent Zoom is not available

<sup>\*3</sup> Only optical zoom is available

Digital Zoom is not available

<sup>\*5</sup> Fixed at ®

<sup>6</sup> Fixed at ▲
7 Fixed at 5M/3.8Miss when pixels added

<sup>\*8</sup> Fixed at 12M \*9 Fixed at 3M/2.1M(39)

<sup>\*10</sup> Set in [Movie] on the [

Rec. mode] menu \*11 Fixed at 5m/3.8mm

<sup>\*12</sup> Fixed at 640

Shooting menu items not listed in this chart can be set in any shooting mode except for Green Mode. However, these settings may not function properly in certain shooting modes and setting conditions even if they can be selected. For further information, please refer to the pages listed below.

	<b>(2)</b>	*	0	<b>#</b>	WIDE	1=1	Shooting Mode Function		Page
<b>√</b> *3	<b>√</b> *3	~	<b>√</b> *1	<b>√</b> *4	×	<b>√</b> *1	Zoom operation	Zoom lever	p.76
<b>♦</b> -3	<b>√</b> -3	~	<b>→</b> ~1	✔ -4		<b>♦</b> •1	Face Detection On	Zoom level	μ./ο
✓	✓	✓	~	✓	~	✓	Smile Capture	(©) button	p.70
	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	~	<b>✓</b>	Face Detection Off	i Si Dullon	ρ.70
<b>✓</b>	<del>~</del>	×	~	×	~	~	¼ (Auto)		
~	·	<b>√</b> *5	~	~	~	<b>~</b>	(Flash Off)		
		<b>∀</b> "5					(Flash On)	Flash	
<b>✓</b>	<b>✓</b>	×	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	(Auto + Red-eye)	Mode	p.100
~		×		_				ivioue	
~	<b>√</b>	×	<b>✓</b>	<b>~</b>	<b>√</b>	<b>√</b>	(Flash On + Red-eye) (Soft Flash)		
~	<del></del>	·	<b>✓</b>	<del>-</del>	<b>✓</b>	<b>✓</b>			
<b>-~</b>	~	~	~	~	~	~	☐ (Standard) ⓒ (Self-timer)		
✓	✓	✓	✓	✓	✓	✓	(Seir-timer)	-	p.90
							(2 Sec. Sell-liffler)	Drive	
✓	✓	×	×	~	×	×		Mode	p.91
						-	☐ (Burst Shooting)  i s (3-sec Remote Control)		
✓	✓	~	~	~	✓	✓			p.93
		×					(0-sec Remote Control)		
<b>✓</b>	~		<b>✓</b>	<b>✓</b>	<b>√</b>	<b>√</b>	AF (Standard)		
<b>√</b>	~	×	<b>✓</b>	<b>✓</b>	<b>√</b> ×	✓	(Macro)		
<b>✓</b>	<b>✓</b>		<b>√</b>	<b>✓</b>		✓_	s <b>♥</b> (Super Macro)	Focus Mode	p.102
<b>✓</b>	~	×	<b>✓</b>	<b>√</b>	<b>√</b>	✓	PF (Pan Focus)	iviode	1
<b>✓</b>	<b>√</b>	<b>√</b> *6	✓_	<b>√</b>	<b>√</b>	<b>√</b>	(Infinity)		
<b>√</b>	<b>✓</b>	×	<b>✓</b>	<b>✓</b>	<b>✓</b>	✓	MF (Manual Focus)		- 400
<b>√</b> *7	×*11	<b>✓</b>	×*9	×*12	×*13	×*14	Recorded Pixels White Balance		p.106
×*15	✓	×*15	✓	×*15	✓	<b>✓</b>			p.110
<b>✓</b>	<b>√</b>	×*16	<b>√</b> *17	<b>√</b>	<b>√</b>	<b>√</b>	Focusing Area		p.104
<b>✓</b>	<b>√</b>	×*19	✓	✓	✓	✓	Focus Assist		p.105
×*20	✓	×*20	<b>√</b>	×*20	✓	<b>✓</b>	AE Metering		p.112
<b>✓</b>	×*21	×*22	<b>√</b>	~	✓_	✓_	Sensitivity	[ <b>△</b> Rec.	p.114
<b>✓</b>	<b>√</b>	<b>√</b>	✓_	<b>√</b>	<b>√</b>	<b>√</b>	EV Compensation	[Mode]	p.108
✓_	✓	✓_	✓_	✓_	✓	✓	D-Range Setting	menu	p.109
✓	✓	✓_	✓	✓_	✓	✓	Shake Reduction		p.116
×	✓	<b>✓</b>	✓	✓	×	×	Blink Detection	4	p.67
							Sharpness		p.117
×	~	×	~	×	~	~	Saturation		p.118
			L		L		Contrast		p.119
✓	✓	✓	✓	✓	✓	✓	Date Imprint		p.119

<sup>\*13</sup> Fixed at 5M (Fixed at 3M for the first frame)

<sup>\*14</sup> Fixed at 2m for unstitched image

<sup>\*15</sup> Fixed at **AWB** \*16 Fixed at [ ] (Multiple)

<sup>\*17</sup> **■©** (Automatic Tracking AF) is not available

<sup>\*18</sup> Fixed at ☑ \*19 Fixed at

<sup>\*20</sup> Fixed at (Multi-segment)

<sup>\*21</sup> Fixed at Auto \*22 The sensitivity is fixed at its

<sup>\*23</sup> Fixed at ±0.0

<sup>\*24</sup> Fixed at the normal setting

Messages such as the following may appear on the display during camera operation.

Message	Description
Battery depleted	The battery is exhausted. Charge the battery using the battery charger (p.31).
Memory card full	The SD Memory Card is full and no more images can be saved. Insert a new SD Memory Card or delete unwanted images (p.37, p.146). Change the number of recorded pixels or quality level of recorded images and try again (p.158).
Memory card error	Shooting and playback are impossible due to a problem with the SD Memory Card. You may be able to display or copy the images on the card using a computer.
The built-in memory is not formatted	The data within the built-in memory are damaged. Format the built-in memory.
Card is not formatted	The SD Memory Card you have inserted is unformatted or has been formatted on a computer or other device and is not compatible with this camera. Format the SD Memory Card in the camera (p.194).
Card is locked	The SD Memory Card is write-protected (p.39).
Compression error	This message occurs when the camera fails to compress an image. Change the number of recorded pixels of the image and try shooting or saving it again.
No image/sound	There are no image/sound files on the SD Memory Card.
Movie recording stopped	This message appears when the internal temperature of the camera has exceeded normal operating limits while recording a movie.
The camera will turn off to prevent damage from overheating	The camera turned off because it has overheated. Wait until it cools down and then turn it back on.
Deleting	This message appears while deleting an image or sound file.
Camera cannot play this image and sound	You are trying to play back an image or sound in a format not supported by this camera. You may be able to play it back on another brand of camera or on your computer.
Image folder cannot be created	The largest file number (9999) has been assigned to an image in the largest folder number (999) and no more images can be saved. Insert a new SD Memory Card or format the card (p.194).

Message	Description
Protected	The image or sound file you are trying to delete is protected (p.152).
Data being recorded	Displayed when you try to switch to Immode while an image is still being recorded, or when the protect setting or DPOF setting is being changed. It disappears after the image is recorded or the setting is changed.
Data being processed	Displayed when the camera takes more than five seconds to display an image due to image processing, or when the SD Memory Card or the built-in memory is being formatted.
Built-in memory full	Displayed if the built-in memory is full when saving a file.
No image to be processed	Displayed when there are no images or sound files.
This image/sound cannot be processed	Displayed for files that cannot be processed.
No card in the camera	Displayed when no SD Memory Card is inserted.
The built-in memory is not enough to copy images/sounds	Displayed when there is insufficient built-in memory to perform copying.
Cannot process correctly	Displayed when Red-eye Compensation processing fails.
Display image/sound from built-in memory	Displayed when the camera enters the built-in memory display.
Not enough battery power remaining to activate Pixel Mapping	Appears during pixel mapping if the battery level is insufficient. Replace the battery with a fully charged one or use an AC adaptor kit K-AC92 (optional). (p.35)

Problem	Cause	Remedy
	The battery is not installed	Check if a battery is installed. If not, install a battery.
The camera will not turn on	The battery is installed incorrectly	Check orientation of the battery. Reinsert the battery according to the $\oplus$ 9 symbols in the battery compartment (p.32).
	The battery is exhausted	Charge the battery.
No image appears on the display	The camera is connected to a computer	The display is off when the camera is connected to a computer.
on the display	The camera is connected to a TV	The display is off when the camera is connected to a TV.
	The brightness level of the display is set too dark	Adjust the brightness level in [Brightness Level] in the [ Setting] menu (p.206).
The display is hard to see	Power Saving function is on	When the Power Saving function is on, the display automatically darkens after a certain amount of time. Press a button to return to the normal brightness level. Select [Off] in [Power Saving] in the [ Setting] menu to turn the Power Saving function off (p.206).
	The flash is charging	Pictures cannot be taken while the flash is charging. Wait until charging is finished.
The shutter will not release	There is no available space on the SD Memory Card or in the built-in memory	Insert an SD Memory Card with available space or delete unwanted images (p.37, p.146).
	Recording	Wait until recording is finished.
The picture is dark when using the flash	The subject is too far away in a dark environment, such as a night scene	The picture becomes dark if the subject is too far away. Take pictures within the specified flash range.

Problem	Cause	Remedy
The subject is not in focus	The subject is difficult to focus on with autofocus	The camera may have difficulty in focusing on such subjects as: low contrast subjects (a white wall, a blue sky, etc.), dark subjects, finely-patterned objects, rapidly-moving objects. It is also difficult to get proper focus when shooting through a window or a net. Try shooting using the focus lock (p.66), or Manual Focus (p.103).
	The subject is not in the focusing area	Locate the desired subject in the focus frame (focusing area) in the center of the display. If it is difficult to do so, first lock the focus on the desired subject (focus lock), and then move the camera to recompose.
	The flash mode is set to <sup>®</sup>	Set to 4 (Auto) or 4 (Flash On) (p.100).
The flash does not discharge	The drive mode is set to ⊌ or ⊌ or I set to ₩ The focus mode is set to ₩ The shooting mode is set to ₩ or ₩	The flash does not discharge in these modes.



Very occasionally, static electricity may cause camera malfunction. In this case, remove the battery and install it again. If the camera is then working properly, normal condition is restored and you can continue using the camera.

The table below lists the factory default settings.

The meaning of the indications for menu items with a default setting is explained below.

#### **Last Memory Setting**

Yes: The current setting (last memory) is saved when the camera is turned off

No : The setting returns to the default setting when the camera is turned off.

: The setting depends on the [Memory] setting (p.128).

— : N/A

#### **Reset Setting**

Yes: The setting returns to the default setting with the Reset

function (p.211).

No : The setting is saved even after reset.

— : N/A

#### • [ Rec. Mode] Menu Items

Item		Default Setting	Last Memory Setting	Reset Setting	Page
Recorded	l Pixels	12m (4000×3000)	Yes	Yes	p.106
White Bal	ance	AWB (Auto)	*	Yes	p.110
AF	Focusing Area	[ ] (Multiple)	Yes	Yes	p.104
Setting	Focus Assist	<b>☑</b> (On)	Yes	Yes	p.105
AE Meter	ing	(Multi-segment)	*	Yes	p.112
Sensitivity	/	Auto	*	Yes	p.114
EV Comp	ensation	±0.0	*	Yes	p.108
Movie	Recorded Pixels	1286 (1280×720/30 fps)	Yes	Yes	p.125
IVIOVIE	Movie SR	<b>☑</b> (On)	Yes	Yes	p.126
D-Range	Highlight Correction	□ (Off)	Yes	Yes	n 100
Setting	Shadow Correction	□ (Off)	Yes	Yes	p.109
Shake Reduction		<b>☑</b> (On)	Yes	Yes	p.116
Blink Detection		<b>☑</b> (On)	Yes	Yes	p.115
Digital Zoom		<b>☑</b> (On)	*	Yes	p.77
Instant Re	eview	<b>☑</b> (On)	Yes	Yes	p.117

Item		Default Setting	Last Memory Setting	Reset Setting	Page
	Face Detection	□ (Off)	Yes	Yes	p.70
	Flash Mode	<b>☑</b> (On)	Yes	Yes	p.100
	Drive Mode	□ (Off)	Yes	Yes	p.90 p.91
	Focus Mode	□ (Off)	Yes	Yes	p.102
	Zoom Position	□ (Off)	Yes	Yes	p.76
Managari	MF Position	□ (Off)	Yes	Yes	p.103
Memory	White Balance	□ (Off)	Yes	Yes	p.110
	Sensitivity	□ (Off)	Yes	Yes	p.114
	EV Compensation	□ (Off)	Yes	Yes	p.108
	AE Metering	□ (Off)	Yes	Yes	p.112
	Digital Zoom	<b>☑</b> (On)	Yes	Yes	p.77
	DISPLAY	□ (Off)	Yes	Yes	p.20
	File No.	<b>☑</b> (On)	Yes	Yes	_
Green Bu	itton	Green Mode	Yes	Yes	p.120
Sharpnes	SS	i (Normal)	Yes	Yes	p.117
Saturatio	n	(Normal)	Yes	Yes	p.118
Contrast		(Normal)	Yes	Yes	p.119
Date Imp	rint	Off	Yes	Yes	p.119

# ● [ Setting] Menu Items

Item		Default Setting	Last Memory Setting	Reset Setting	Page	
Sound	Operation Volume	3	Yes	Yes		
	Playback Volume	3	Yes	Yes		
	Start-up Sound	1	Yes	Yes	p.195	
	Shutter Sound	1	Yes	Yes		
	Operation Sound	1	Yes	Yes		
	Self-timer Sound	1	Yes	Yes		
	Date Format (date)	According to initial setting	Yes	No	p.47	
Date	Date Format (time)	24h	Yes	No		
Adjustment	Date	1/1/2010	Yes	No	p.196	
	Time	According to initial setting	Yes	No		
	Select Time	☆ Hometown	Yes	Yes		
	Destination (City)	According to initial setting	Yes	No		
World Time	Destination (DST)	□ (Off)	Yes	No	p.198	
Time	Hometown (City)	According to initial setting	Yes	No		
	Hometown (DST)	□ (Off)	Yes	No		
Text Size		Standard	Yes	No	p.201	
Language/言語		According to initial setting	Yes	No	p.43 p.202	
Folder Nan	пе	Date	Yes	Yes	p.203	
USB Conne	ection	MSC	Yes	Yes	p.219	
Video Out		According to initial setting	Yes	No	p.204	
Eye-Fi		□ (Off)	No	Yes	p.205	
Brightness Level		- <u>i</u> -+	Yes	Yes	p.206	
Power Saving		5 sec.	Yes	Yes	p.206	
Auto Power Off		3 min.	Yes	Yes	p.207	
Reset		Cancel	_	_	p.211	
Delete All		Cancel	_	_	p.150	
Pixel Mapping		Cancel	_	_	p.210	
Format		Cancel	_	_	p.194	

# Playback Mode Palette Items

Item		Default Setting	Last Memory Setting	Reset Setting	Page	
Slideshow	Interval	3 sec.	Yes	Yes	s p.139	
	Screen Effect	Wipe	Yes	Yes		
	Sound Effect	<b></b> (On)	Yes	Yes		
Image Rotation		Normal	_	_	p.141	
Small Face Filter		Approx. 7%	No	No	p.160	
Digital Filte	r	B&W	No	_	p.162	
Original	Blur	All sides/White	No	_	p.171	
Frame	Edge Composite	All sides/White	No	_	p.171	
Frame Con	nposite	Default1	Yes	Yes	p.167	
	Save as Still Image	_	_	_	p.176	
Movie Edit	Divide Movies	_	_	_		
	Adding title picture	_		_	p.178	
Red-eye Compensation		_	_	_	p.166	
Subscreen Input		Default start-up screen 1	_	_	p.208	
Resize	Recorded Pixels	Depending on the picture taken	_	_	p.158	
Cropping		Depending on the picture taken	_	_	p.159	
Image/Sound Copy		Built-in memory → SD Memory Card	_	_	p.179	
Voice Memo			I	_	p.190	
Protect	Single Image/ Sound	Depending on the recorded image/sound	_	_	p.152	
	All Images/Sounds	Depending on the recorded image/sound	1	_		
DPOF	Single Image	Copies: 0	-	_	- p.181	
	All Images	Date: □ (Off)	_	_		
Image Recovery		Cancel	_	_	p.151	
Start-up Screen		<b>⊻</b> (On)	Yes	Yes	p.209	

# Key Operation

Item		Function	Default Setting	Last Memory Setting	Reset Setting	Page
<b>▶</b> button		Operation Mode	<b>▶</b> mode		_	
Zoom lever		Zoom Position	Full wide-angle	*	No	p.76
Four-way controller	•	Drive Mode	☐ (Standard)	*	Yes	p.90 p.91
	•	Shooting Mode	(Auto Picture)	Yes	Yes	p.67
	•	Flash Mode	<b>₹</b> <sub>A</sub> (Auto)	*	Yes	p.100
	•	Focus Mode	<b>AF</b> (Standard)	*	Yes	p.102
MENU button		Menu Display	Capture mode:  [ Rec. Mode] menu  Playback mode:  Setting] menu	-	_	p.56
OK/DISPLAY button		Information Display	Normal	*	Yes	p.20
© button		Operation Mode	Face Detection On	*	Yes	p.70

# **List of World Time Cities**

City: indicates cities that can be set as either the Initial Setting (p.43) or the World Time (p.198). Video Output Format: indicates the video output format of the city set as the initial setting.

Region	City	Video Output Format	Region	City	Video Output Format
North	Honolulu	NTSC	Africa/	Istanbul	PAL
America	Anchorage	NTSC	West Asia	Cairo	PAL
	Vancouver	NTSC		Jerusalem	PAL
	San Francisco	NTSC		Nairobi	PAL
	Los Angeles	NTSC		Jeddah	PAL
	Calgary	NTSC		Tehran	PAL
	Denver	NTSC		Dubai	PAL
	Chicago	NTSC		Karachi	PAL
	Miami	NTSC		Kabul	PAL
	Toronto	NTSC		Male	PAL
	New York	NTSC		Delhi	PAL
	Halifax	NTSC		Colombo	PAL
Central and	Mexico City	NTSC		Kathmandu	PAL
South	Lima	NTSC		Dacca	PAL
America	Santiago	NTSC	East Asia	Yangon	NTSC
	Caracas	NTSC		Bangkok	PAL
	Buenos Aires	PAL		Kuala Lumpur	PAL
	Sao Paulo	PAL		Vientiane	PAL
	Rio de Janeiro	NTSC		Singapore	PAL
Europe	Lisbon	PAL		Phnom Penh	PAL
	Madrid	PAL		Ho Chi Minh	PAL
	London	PAL		Jakarta	PAL
	Paris	PAL		Hong Kong	PAL
	Amsterdam	PAL		Beijing	PAL
	Milan	PAL		Shanghai	PAL
	Rome	PAL		Manila	NTSC
	Copenhagen	PAL		Taipei	NTSC
	Berlin	PAL		Seoul	NTSC
	Prague	PAL		Tokyo	NTSC
	Stockholm	PAL		Guam	NTSC
	Budapest	PAL	Oceania	Perth	PAL
	Warsaw	PAL		Adelaide	PAL
	Athens	PAL		Sydney	PAL
	Helsinki	PAL		Noumea	PAL
	Moscow	PAL		Wellington	PAL
	Dakar	PAL		Auckland	PAL
Africa/ West Asia	Algiers	PAL		Pago Pago	NTSC
VVC3t Asia	Johannesburg	PAL		<u> </u>	·

A number of dedicated accessories are available for this camera.

Products marked with an asterisk (\*) are the same as those supplied with the camera

### Power supply

Rechargeable lithium-ion battery D-LI92 (\*)

Battery charger kit K-BC92 (\*)

(Battery charger D-BC92, AC plug cord)

## AC adapter kit K-AC92

(AC adapter D-AC64, DC coupler D-DC92, AC plug cord)

The battery charger and AC plug cord are only sold as a set.

#### Remote control unit

Remote Control O-RC1 (available in the near future)

#### Cable

USB cable I-USB7 (\*)

AV cable I-AVC7 (\*)

### Strap

O-ST20 (\*)

O-ST8 Silver chain strap

**O-ST24** Genuine leather strap

## Camera case

O-CC102 Snapshot case with a neck strap (attached at

both ends of the case)

50236 Ivory canvas and leather case - vintage look50237 Black canvas and leather case - vintage look

# **Main Specifications**

Туре	Fully automatic compact digital still camera with built-in zoom lens		
Number of Effective Pixels	Approx. 12.1	megapixels	
Image Sensor	1/2.3 inch CC	D	
Number of Recorded Pixels	7м 5м 3м	/12m  (4000×3000), 9m (16:9) (4000×2256),   (3072×2304), 5.3m (16:9) (3072×1728),   (2592×1944), 3.8m (16:9) (2592×1464),   (2048×1536), 2.1m (16:9) (1920×1080),   (1024×768), 640 (640×480)	
	* Fixed at 5M * Fixed at 5M * Fixed at 5M 3M. * Fixed at 2M * Fixed at 640 * Fixed at 5M	/2.1mim in Half-length Portrait mode.  /3.8mim in Digital SR mode.  /2.1mim in Frame Composite mode.   in Digital Wide mode, however, the first frame uses   for one frame in Digital Panorama mode.   in Blog mode.   when the sensitivity is set to 3200 or 6400.  /3.8mim in Burst Shooting mode.	
	64Q 32Q	(1280×720/30 fps), 1286 (1280×720/15 fps) (640×480/30 fps), 640, (640×480/15 fps) (320×240/30 fps), 320, (320×240/15 fps) (320×240/15 fps)	
Sensitivity (Standard Output Sensitivity)	Manual (ISO	100, 200, 400, 800) 80, 100, 200, 400, 800, 1600, 3200, 6400) to (ISO 80 - 6400) in Digital SR mode.	
File Format		EG (Exif 2.2), DCF 2.0, DPOF, INT Image Matching III	
		(Motion JPEG), approx. 30fps/15fps, PCM system, naural sound, Movie SR (Movie Shake Reduction)	
	Sound Void	ce memo, Voice recording: WAV (PCM) system, monaural	
Storage Media	Built-in memo Memory Card	ry (approx. 26.7 MB), SD Memory Card, SDHC	

# Approximate Image Storage Capacity and Recording Time Still Pictures

		Built-in Memory	512 MB SD Memory Card
12мш	4000×3000	6 pictures	107 pictures
12м	4000×3000	11 pictures	209 pictures
9м 169	4000×2256	14 pictures	253 pictures
7м	3072×2304	16 pictures	299 pictures
<u>5.3м</u>	3072×1728	20 pictures	368 pictures
5м	2592×1944	20 pictures	368 pictures
<u>3.8м</u> (тээ	2592×1464	27 pictures	479 pictures
3м	2048×1536	33 pictures	592 pictures
2.1M(69)	1920×1080	48 pictures	863 pictures
1024	1024×768	100 pictures	1777 pictures
640	640×480	190 pictures	3358 pictures

 The image storage capacity is for reference only. The actual image storage capacity may vary depending on the SD Memory Card and the subject.

#### Movie/Sound

	Built-in Memory	512 MB SD Memory Card
1280 (1280×720/30 fps)	8 sec.	2 min. 32 sec.
1280 × 720/15 fps)	17 sec.	5 min. 5 sec.
640×480/30 fps)	25 sec.	7 min. 31 sec.
640 (640×480/15 fps)	50 sec.	14 min. 48 sec.
320 (320×240/30 fps)	40 sec.	11 min. 59 sec.
320 (320×240/15 fps)	1 min. 17 sec.	22 min. 53 sec.
Sound	21 min. 9 sec.	6 hr. 14 min. 15 sec.

- The above figures are based on our standard shooting conditions and may vary depending on the subject, shooting conditions and type of the SD Memory Card used.
- Recording can continue until the built-in memory or the SD Memory Card is full, or the size of the recorded movie reaches 2 GB (when using an SDHC card). If recording stops at 2 GB, start recording again to continue to record the rest of the movie in blocks of 2 GB.

White Balance	Auto, Daylight, Sh	ade, Tungsten Light, Fluorescent Light, Manual
Lens	Focal Length	5.1 mm - 25.5 mm (approx. 28 mm - 140 mm in 35 mm equivalent focal length)
	Aperture	F3.5 (W) - F5.9 (T)
	Lens Composition	7 elements in 6 groups (3 aspherical elements)
	Zoom Type	Electrically driven
Optical Zoom	5×	
Intelligent Zoom	(when combined w	• •
Digital Zoom	Up to approx. 6.25	
Motion Blur Reduction	Still	"CCD shift reduction (Shake Reduction)", Hisensitivity shake reduction mode (Digital SR)
	Movie	Electronic movie shake reduction (Movie SR)
Display	2.7 inch wide-LCD coating	o, approx. 230,000 dots, Wide viewing angle, AR
Playback Modes	Face Close-up Pla Playback, Histogra Image Rotation, S Frame Composite, a movie, Adding til Input, Resize, Cro	ame, 12-frame, Enlargement (max. 10×, scrollable), ayback, Folder Display, Calendar Display, Sound am Display, Deleting Selected Images, Slideshow, mall Face Filter, Digital Filter, Original Frame, Movie Playback/Edit (Save as still images, Divide tle picture), Red-eye Compensation, Subscreen pping, Image&Sound Copy, Voice Memo, Protect, covery, Start-up Image Setting
Focus Modes	Autofocus, Macro,	Super Macro, Pan Focus, Infinity, Manual Focus
Focus	Туре	TTL contrast detection system by sensor 9-point autofocus (multiple/spot/automatic tracking AF changeable)
	Focus range (From lens face)	Standard : $0.4 \text{ m} - \infty$ (1.31 ft - $\infty$ ) (Wideangle) 1.0 m - $\infty$ (3.28 ft - $\infty$ ) (Telephoto)
		Macro : 0.1 m - 0.5 m (0.33 ft - 1.64 ft) (Wide-angle) 0.2 m - 0.5 m (0.66 ft - 1.64 ft) (At the intermediate position of the zoom range)
		Super Macro: 0.08 m - 0.15 m (0.26 ft - 0.49 ft) (At the intermediate position of the zoom range)
		* It is possible to switch to Pan Focus, Infinity and Manual Focus.
		* Face Detection AF is available only while the camera detects the subject's face.
	Focus Lock	By half-pressing the shutter release button

Exposure Control	Metering System	Multi-segment metering, Center-weighted metering, Spot metering
	Exposure Compensation	±2 EV (can be set in 1/3 EV steps)
Face Detection	on the display, or u Capture, Blink Det	32 people's faces (up to 31 face detection frames up to 30 frames in Half-length Portrait mode), Smile tection AE is available only while the camera detects the
Pet Detection	Detection of up to	3 pet's faces
Shooting Modes	Portrait, Movie, La Digital SR, Kids, P	ram, Night Scene, Night Scene Portrait, Half-length andscape, Flower, Portrait, Surf & Snow, Sport, Pet, Food, Fireworks, Frame Composite, Party, e, Candlelight, Text, Blog, Digital Wide, Digital
Digital Filters	Purple, Blue, Gree emphasis (Sky Blue	Camera, Retro (Blue, Amber), Color (Red, Pink, en, Yellow), Extract color (Red, Green, Blue), Color ue, Fresh Green, Delicate Pink, Autumn Leaves), rburst (Cross, Heart, Star), Soft, Brightness Filter
Movie	Continuous Recording Time	Approx. 1 second - until built-in memory or SD Memory Card is full (however, maximum size is limited to 2 GB)
Shutter Speed	1/2000 sec 1/4 sec. (Night Scen	ec. (Wide), 1/1500 sec 1/4 sec. (Telephoto), max. ne mode)
Built-in Flash	Modes	Auto, Flash Off, Flash On, Auto + Red-eye, Flash On + Red-eye, Soft Flash
	Flash Range	Wide-angle: approx. 0.15 m - 4.0 m (approx. 0.49 ft - 13.12 ft) (Sensitivity: in Auto condition) Telephoto: approx. 1.0 m - 2.4 m (approx. 3.28 ft - 7.87 ft) (Sensitivity: in Auto condition)
Drive Modes		-timer (approx. 10 sec., approx. 2 sec.), Shooting, Remote Control (3-sec Remote Control, ntrol)
Self-timer	Electronic control	type, control time: Approx. 10 sec., 2 sec.
Time Function	World Time	75 cities (28 time zones)
Power Source	Rechargeable lithi	ium-ion battery D-LI92, AC adapter kit (optional)



Battery Life	Number of Recordable Images approx. 250 pictures	*Recording capacity shows approximate number of shots recorded during CIPA-compliant testing (with display on, flash used for 50% of the shots, and 23 degrees centigrade/73 degrees Fahrenheit).  Actual performance may vary according to operating conditions.
	Playback Time approx. 300 min.	* According to the result of in-house testing.  Actual time may differ depending on usage conditions.
	Movie Recording Time approx. 100 min.	
	Sound Recording Time approx. 350 min.	
Interfaces	USB 2.0 (high-spe	ed compatible) /PC/AV terminal
Video Output	NTSC/PAL (monai	ural)
Dimensions		$\times$ 65 (H) $\times$ 28 (D) mm (Approx. 4 (W) $\times$ 2.6 (H) $\times$ ing operating or protruding parts)
Weight		oz) (excluding battery and SD Memory Card) oz) (including battery and SD Memory Card)
Accessories		um-ion battery, battery charger, AC plug cord, USB oftware (CD-ROM), strap, Operating Manual, Quick

# **WARRANTY POLICY**

All PENTAX cameras purchased through authorized bona fide photographic distribution channels are guaranteed against defects of material or workmanship for a period of twelve months from date of purchase. Service will be rendered, and defective parts will be replaced without cost to you within that period, provided the equipment does not show evidence of impact, sand or liquid damage, mishandling, tampering, battery or chemical corrosion, operation contrary to operating instructions, or modification by an unauthorized repair shop. The manufacturer or its authorized representatives shall not be liable for any repair or alterations except those made with its written consent and shall not be liable for damages from delay or loss of use or from other indirect or consequential damages of any kind, whether caused by defective material or workmanship or otherwise; and it is expressly agreed that the liability of the manufacturer or its representatives under all guarantees or warranties, whether expressed or implied, is strictly limited to the replacement of parts as hereinbefore provided. No refunds will be made on repairs by non-authorized PENTAX service facilities.

### Procedure During 12-month Warranty Period

Any PENTAX which proves defective during the 12-month warranty period should be returned to the dealer from whom you purchased the equipment or to the manufacturer. If there is no representative of the manufacturer in your country, send the equipment to the manufacturer, with postage prepaid. In this case, it will take a considerable length of time before the equipment can be returned to you owing to the complicated customs procedures required. If the equipment is covered by warranty, repairs will be made and parts replaced free of charge, and the equipment will be returned to you upon completion of servicing. If the equipment is not covered by warranty, regular charges of the manufacturer or of its representatives will apply. Shipping charges are to be borne by the owner. If your PENTAX was purchased outside of the country where you wish to have it serviced during the warranty period, regular handling and servicing fees may be charged by the manufacturer's representatives in that country. Notwithstanding this, your PENTAX returned to the manufacturer will be serviced free of charge according to this procedure and warranty policy. In any case, however, shipping charges and customs clearance fees to be borne by the sender. To prove the date of your purchase when required, please keep the receipt or bills covering the purchase of your equipment for at least a year. Before sending your equipment for servicing, please make sure that you are sending it to the manufacturer's authorized representatives or their approved repair shops, unless you are sending it directly to the manufacturer. Always obtain a quotation for the service charge, and only after you accept the guoted service charge, instruct the service station to proceed with the servicing.

- · This warranty policy does not affect the customer's statutory rights.
- The local warranty policies available from PENTAX distributors in some countries can supersede this warranty policy. Therefore, we recommend that you review the warranty card supplied with your product at the time of purchase, or contact the PENTAX distributor in your country for more information and to receive a copy of the warranty policy.

( E Uni

The CE Mark is a Directive conformity mark of the European Union.

# For customers in USA STATEMENT OF FCC COMPLIANCE

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
   Increase the separation between the equipment and receiver.
   Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- \* Consult the dealer or an experienced radio/TV technician for help.

### For customers in Canada

This Class B digital apparatus complies with Canadian ICES-003.

# Pour les utilisateurs au Canada

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

# FOR CALIFORNIA, U.S.A. ONLY

Perchlorate Material-special handling may apply. The lithium battery used in this camera contains perchlorate material, which may require special handling. See www.dtsc.ca.gov/hazardouswaste/perchlorate

# **Declaration of Conformity** According to 47CFR, Parts 2 and 15 for

# Class B Personal Computers and Peripherals

We: **PENTAX Imaging Company** 

A Division of PENTAX of America, Inc.

Located at: 600 12th Street, Suite 300

Golden, Colorado 80401 U.S.A.

Phone: 303-799-8000 FAX: 303-790-1131

Declare under sole responsibility that the product identified herein complies with 47CFR Parts 2 and 15 of the FCC rules as a Class B digital device. Each product marketed is identical to the representative unit tested and found to be compliant with the standards. Records maintained continue to reflect the equipment being produced can be expected to be within the variation accepted, due to quantity production and testing on the statistical basis as required by 47CFR §2.909. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. The above named party is responsible for ensuring that the equipment complies with the standards of 47CFR §15.101 to §15.109.

Product Name: PENTAX Digital Still Camera

Model Number: Optio I-10

Contact person: Customer Service Manager

Date and Place: January, 2010, Colorado

# Information for Users on Collection and Disposal of Old **Equipment and Used Batteries**



### 1. In the European Union

These symbols on the products, packaging and/or accompanying documents mean that used electrical and electronic equipments and batteries should not be mixed with general household waste.

Used electrical/electronic equipments and batteries must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of these products.

Following the implementation by member states, private households within the EU states may return their used electrical/electronic equipments and batteries to designated collection facilities free of charge\*.

In some countries your local retailer may also take back your old product free of charge if you purchase a similar new one. \*Please contact your local authority for further details.



By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

### In other countries outside the FU.

These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.



For Switzerland: Used electrical/electronic equipment can be returned free of charge to the dealer, even when you don't purchase a new product. Further collection facilities are listed on the home page of www.swico.ch or www.sens.ch.

Note for the battery symbol (bottom two symbol examples): This symbol might be used in combination with a designation for the chemical element or compound in use. In this case you have to comply with the requirement set by the Directive for the chemicals involved.

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Specifications and external dimensions are subject to change without notice.

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