

ENGLISH



Canon

PowerShot A470

Getting Started

Canon



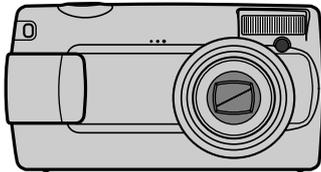
Ensure that you read the Safety Precautions (p. 32).

Confirming the Package Contents

The following items are included in the package. If something is missing please contact the retail outlet at which you purchased the product.

1

Camera



2

AA-size Alkaline Batteries (x2)



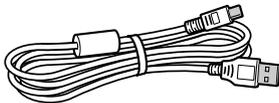
3

Memory Card (32MB)



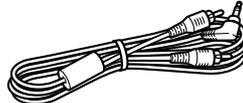
4

Interface Cable IFC-400PCU



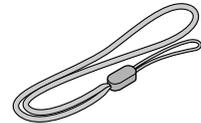
5

AV Cable AVC-DC300



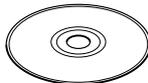
6

Wrist Strap WS-800



7

Canon Digital Camera Solution Disk



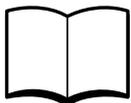
8

Warranty Card



9

User Guides



Getting Started (This guide)

“Canon Customer Support” Leaflet

Please also refer to the PDF manuals on the supplied CD-ROM:

- Camera User Guide
(Advanced functions of the camera)
- Direct Print User Guide
(Connecting the camera to a printer)
- Software Starter Guide
(Connecting the camera to a computer)

Download ZoomBrowser EX/ImageBrowser Software Guide (PDF) from:
<http://web.canon.jp/imaging/information-e.htm>

You may not be able to achieve the full performance of this camera with the included memory card.

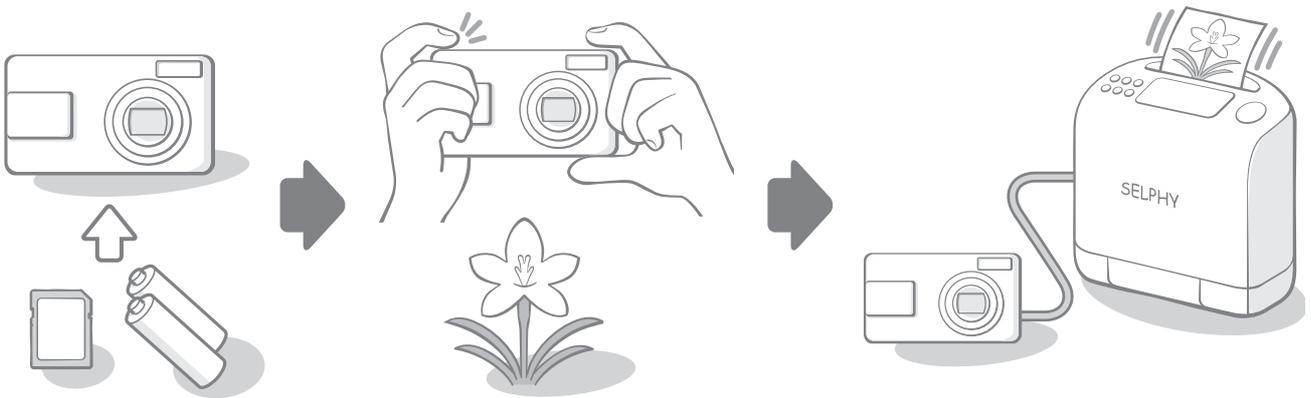
Let's Get Started!

First...

Getting Started

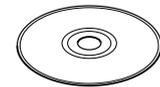
This Guide

This section explains how to prepare the camera for use and the basics of shooting, viewing and printing images. Start out by familiarizing yourself with the camera and mastering the basics.



Next...

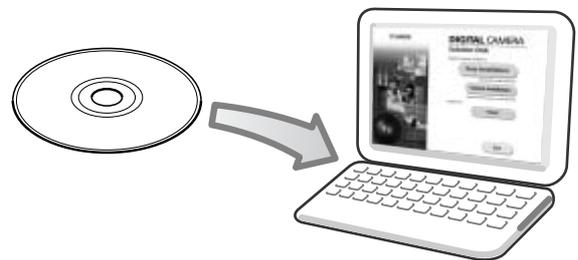
PDF Manuals



Once you have mastered the basics, use the camera's many features to shoot more challenging photos.

The PDF manuals are included in the supplied CD-ROM.

When the installation is finished a shortcut icon will appear on the desktop (If the software fails to install, please find the manuals in the *Readme* folder on the CD-ROM).



Adobe Reader is required to view the PDF manuals.
Please download from <http://www.adobe.com>

Please Read

Test Shots

Before you try to photograph important subjects, we highly recommend that you shoot several trial images to confirm that the camera is operating and being operated correctly.

Please note that Canon Inc., its subsidiaries and affiliates, and its distributors are not liable for any consequential damages arising from any malfunction of a camera or accessory, including memory cards, that results in the failure of an image to be recorded or to be recorded in a way that is machine readable.

Warning Against Copyright Infringement

Please note that Canon digital cameras are intended for personal use and should never be used in a manner that infringes upon or contravenes international or domestic copyright laws and regulations. Please be advised that in certain cases the copying of images from performances, exhibitions, or commercial properties by means of a camera or other device may contravene copyright or other legal rights even if the image was shot for personal use.

Warranty Limitations

This camera's warranty is only effective in the country of sale. If a problem arises while the camera is in use abroad, please convey it back to the country of sale before proceeding with a warranty claim to a Canon Customer Support Help Desk.

For Canon Customer Support contacts, please see the customer support list supplied with your camera.

Camera Body Temperature

If your camera is used for prolonged periods, the camera body may become warm. Please be aware of this and take care when operating the camera for an extended period.

About the LCD Monitor

The LCD monitor is produced with extremely high-precision manufacturing techniques. More than 99.99% of the pixels operate to specification. Less than 0.01% of the pixels may occasionally misfire or appear as red or black dots. This has no effect on the recorded image and does not constitute a malfunction.

Video Format

Please set the camera's video signal format to the one used in your region before using it with a TV monitor.

Language Setting

Please see *Setting the Display Language* (p. 9) to change the language setting.

Getting Started

- **Preparations**
- **Shooting Still Images**
- **Viewing Still Images**
- **Erasing**
- **Printing**
- **Embedding the Date in the Image Data**
- **Shooting Movies**
- **Viewing Movies**
- **Downloading Images to a Computer**
- **System Map**



You can use SD memory cards, SDHC (SD High Capacity) memory cards, MultiMediaCards, MMCplus cards and HC MMCplus cards in this camera. These cards are collectively referred to as memory cards in this guide.



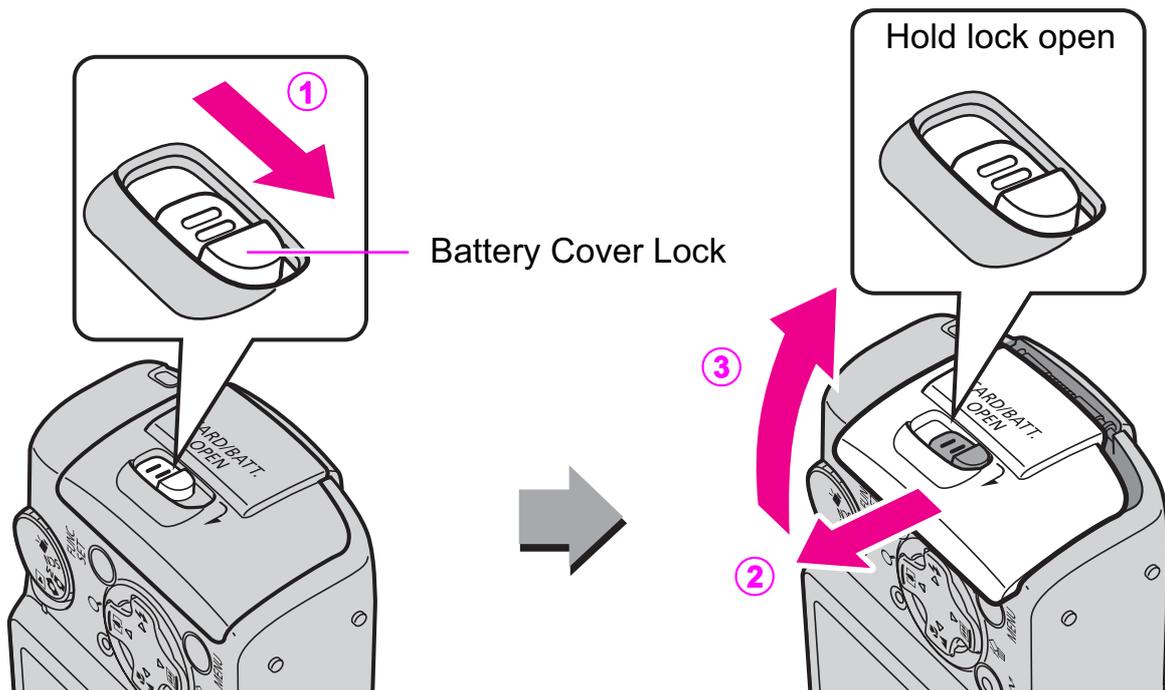
Capture Your Best Memories



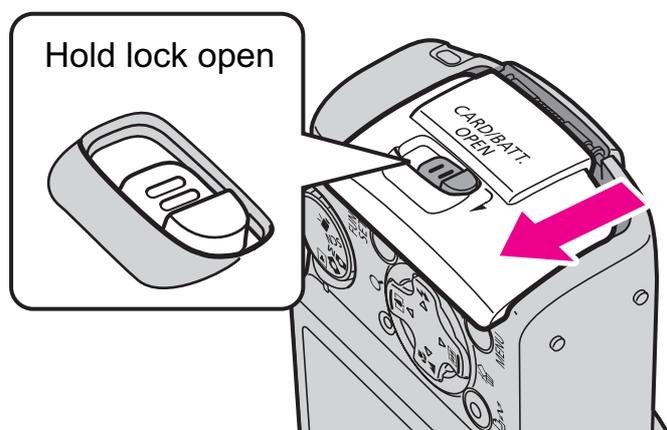
Preparations

Installing the Batteries and Memory Card

- 1 Slide the battery cover lock in the direction of the arrow (1) and hold it there while moving the entire cover in the direction of the arrow (2) and opening it up in the direction of the arrow (3).

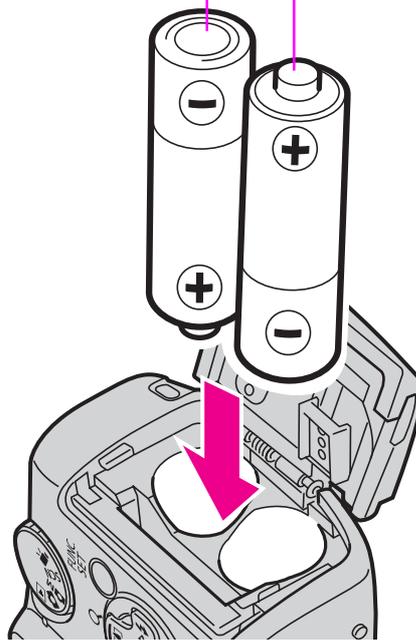


Be sure to hold the battery cover lock open while sliding the entire cover in the direction of the arrow.



2 Install two batteries.

Negative end (-) Positive end (+)

**Caution!**

Check the battery terminals for the correct orientation.

3 Insert the memory card until it clicks into place.**Caution!**

Check the memory card for the correct orientation.

Only SD and SDHC memory cards

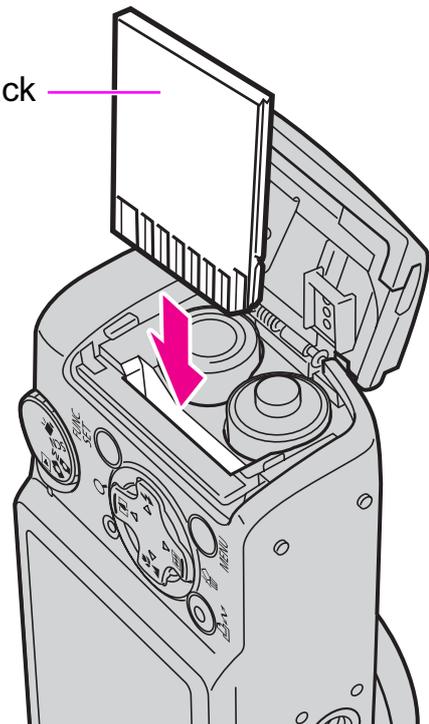
Write Protect Tab

Confirm that the write protect tab is unlocked.



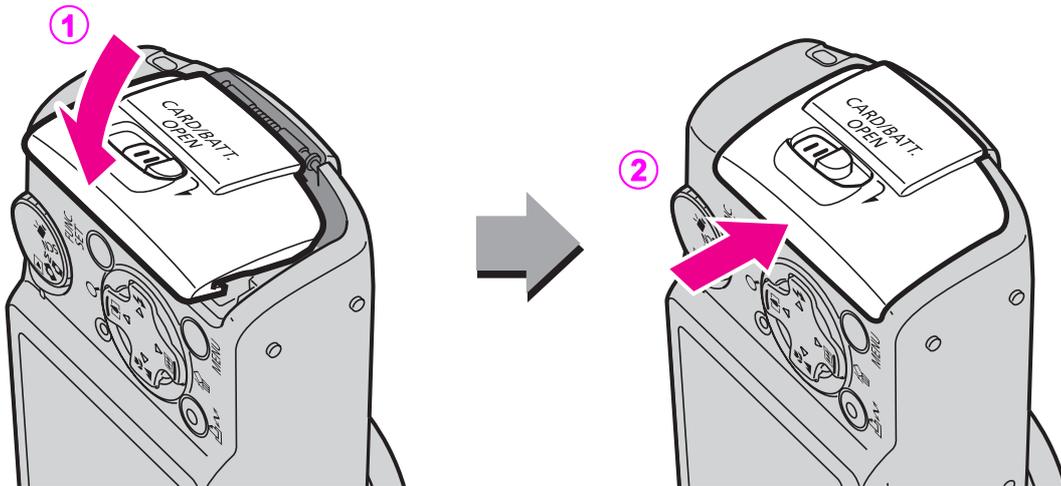
Front

Back



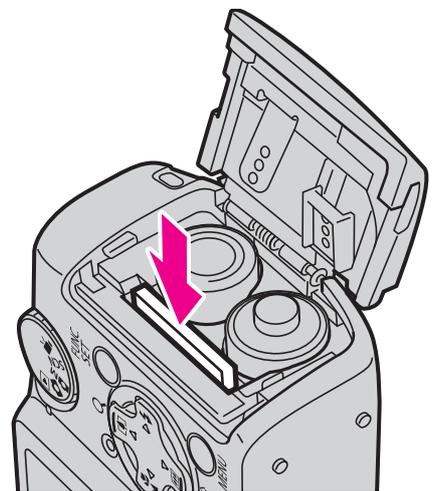
The camera may fail to detect the memory card or malfunction if the memory card is inserted backward by mistake.

- 4 Close the cover (1), and press downward as you slide it until it clicks into place (2).

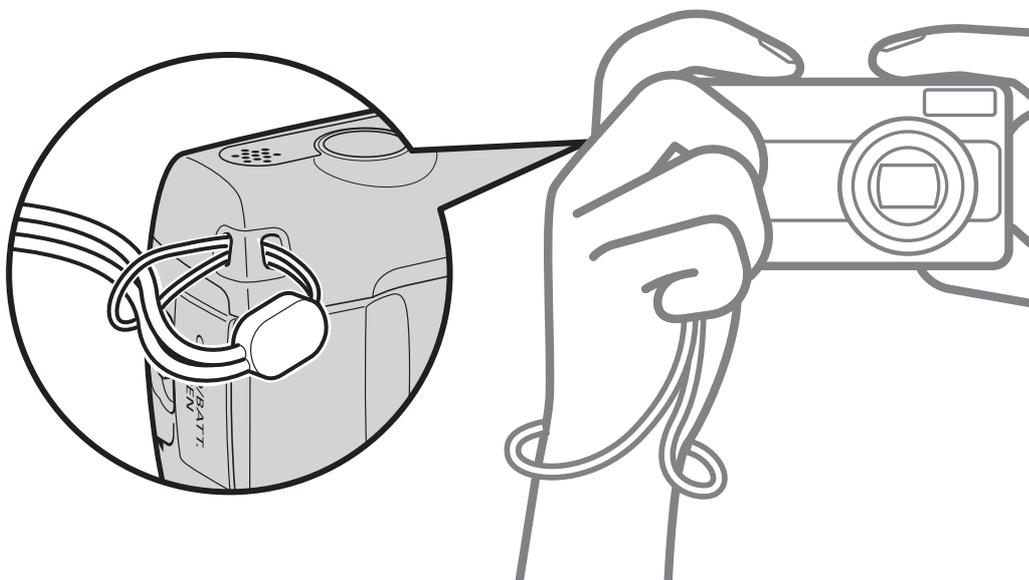


To Remove the Memory Card

- Push the memory card with your finger until the memory card clicks and then release it.

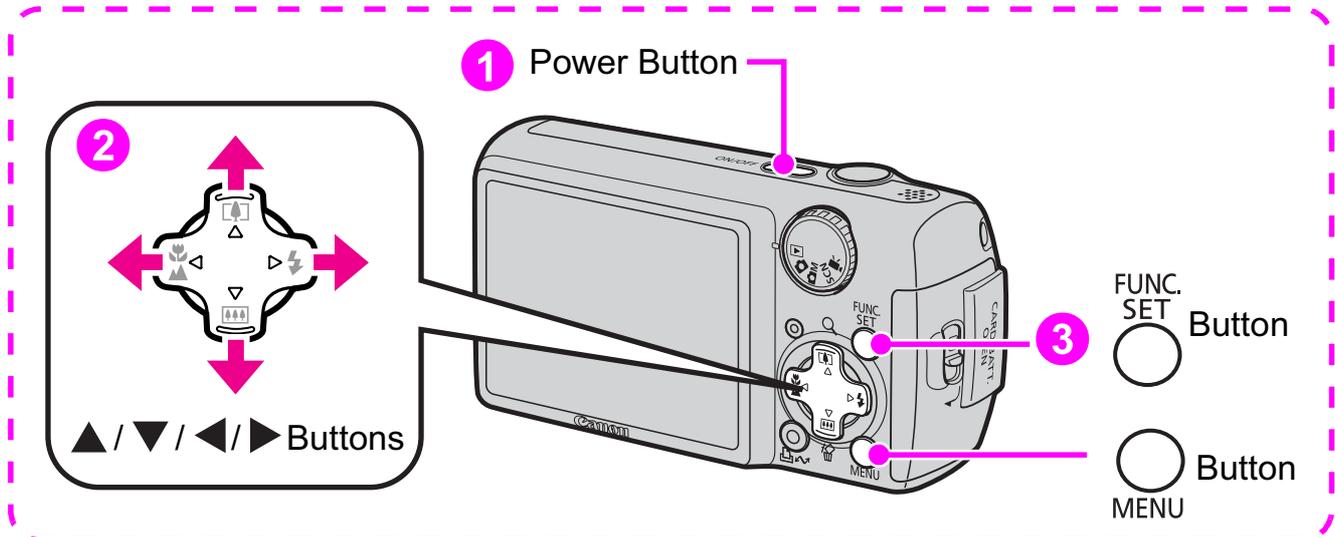


It is recommended to use the wrist strap to avoid dropping the camera during use.



Setting the Date and Time

The Date/Time settings menu will appear the first time the power is turned on.



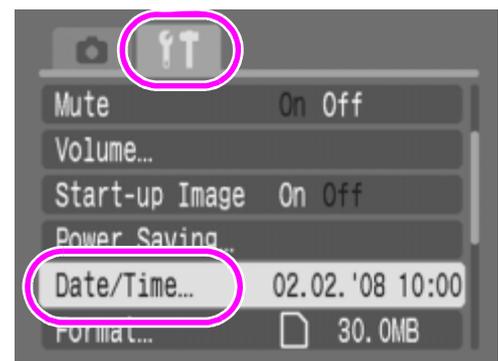
- 1 Press the power button.
- 2 Select the month, day, year and time, and the display order.
 1. Use the ◀ or ▶ button to select a category.
 2. Use the ▲ or ▼ button to set the value.
- 3 Press the FUNC./SET button.



■ To Change a Previously Set Date/Time

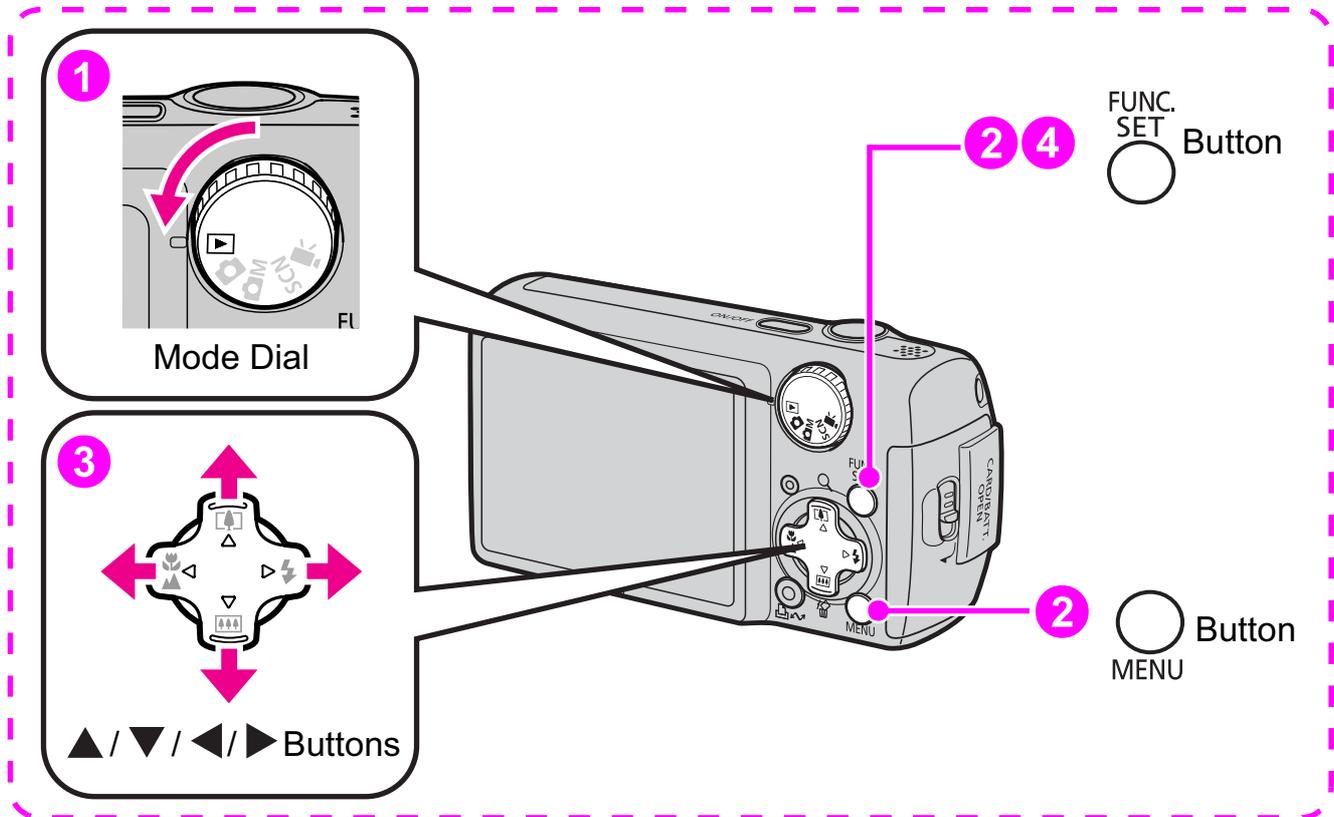
Perform Steps 2–3 above after using the following procedures to display the Date/Time settings window.

1. Press the MENU button.
2. Use the ◀ or ▶ button to select the  (Set up) menu.
3. Use the ▲ or ▼ button to select [Date/Time].
4. Press the FUNC./SET button.
5. Press the MENU button.



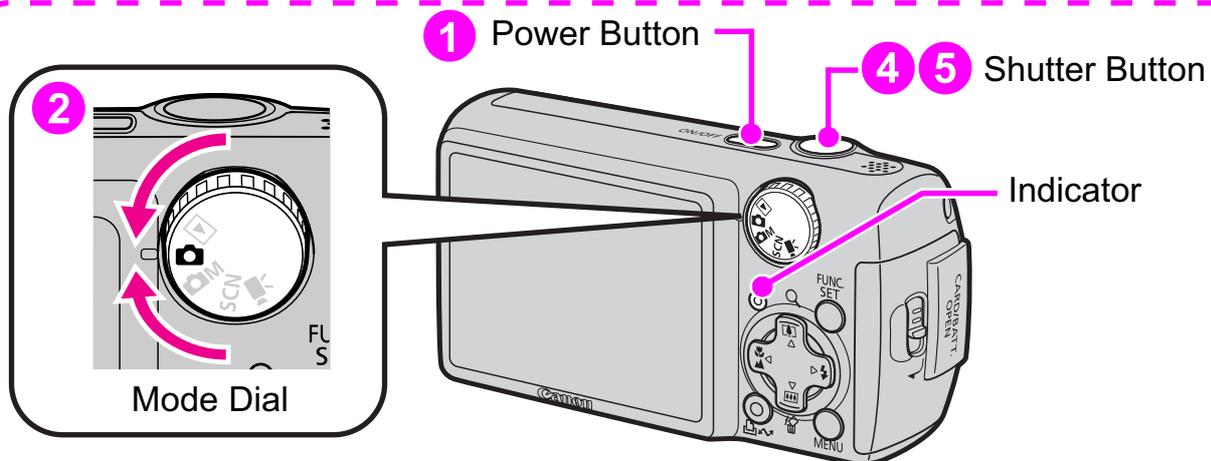
Setting the Display Language

You can change the language displayed in the LCD monitor menus and messages.



- 1 Set the mode dial to ▶ (Playback).
- 2 Hold down the FUNC./SET button and press the MENU button once.
- 3 Use the ▲, ▼, ◀ or ▶ button to select a language.
- 4 Press the FUNC./SET button.

Shooting Still Images (📷 Auto Mode)



1 Press the power button.

- The start-up sound will play and the start-up image will display in the LCD monitor.
- Pressing the power button again turns the power off.
- To switch to the setting that mutes all sound, press and hold the **MENU** button while pressing the power button. The [Mute] setting also can be changed in the **fT** (Setup) menu.

2 Select a shooting mode.

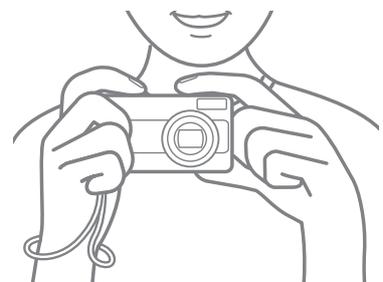
1. Set the mode dial to 📷 (Auto).



3 Aim the camera at the subject.

Avoiding Camera Shake

Keep your arms tight against your body while holding the camera firmly by the sides. Using a tripod is also effective.



4 Press the shutter button lightly (press halfway) to set the focus.

- When the camera focuses, it beeps twice and the indicator lights green (orange when the flash fires).

5 Without changing anything else, press the shutter button all the way (press fully) to shoot.

- The shutter sound will play once and the image will record.
- Recorded images are displayed on the LCD monitor for approximately 2 seconds* immediately after shooting (Rec. Review). You can also shoot while the image is displayed.
- * You can change the interval for which images are displayed by configuring the [Review] item in the  (Rec.) menu.
- The image will continue to display after shooting if you keep the shutter button pressed.
- The indicator will blink green and the file will record to the memory card.

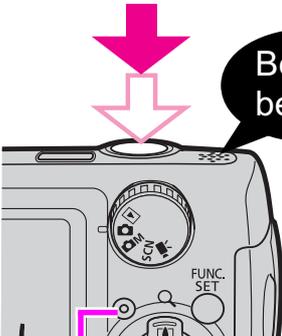
To Shoot Images in Focus

The camera automatically sets the focus when you press the shutter button halfway*.

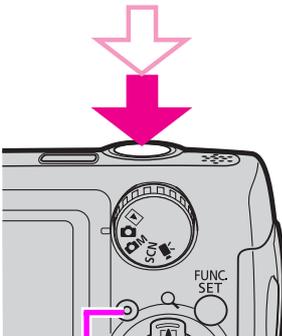
* The shutter button has a two-stage action. Pressing it down to the first stage is referred as “pressing halfway”.

Correct

Press halfway to set the focus

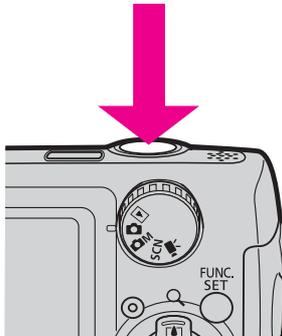


Press fully



✗ Incorrect

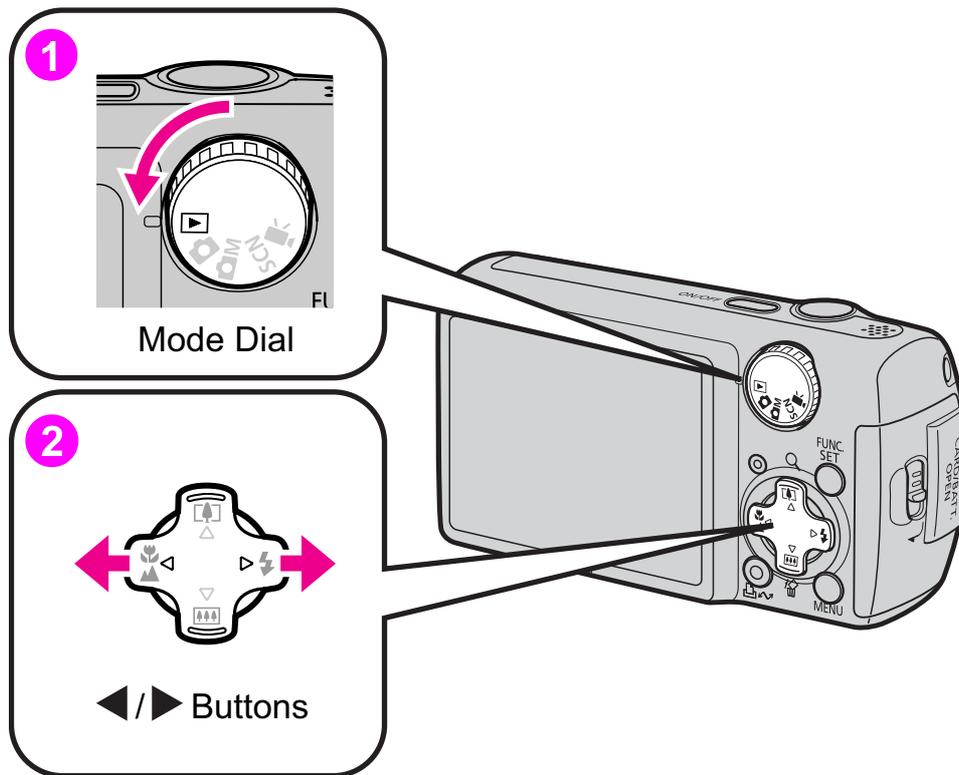
Just pressing fully





AF frames will display in green on the LCD monitor at the points of focus.

Viewing Still Images



1 Set the mode dial to  (Playback).

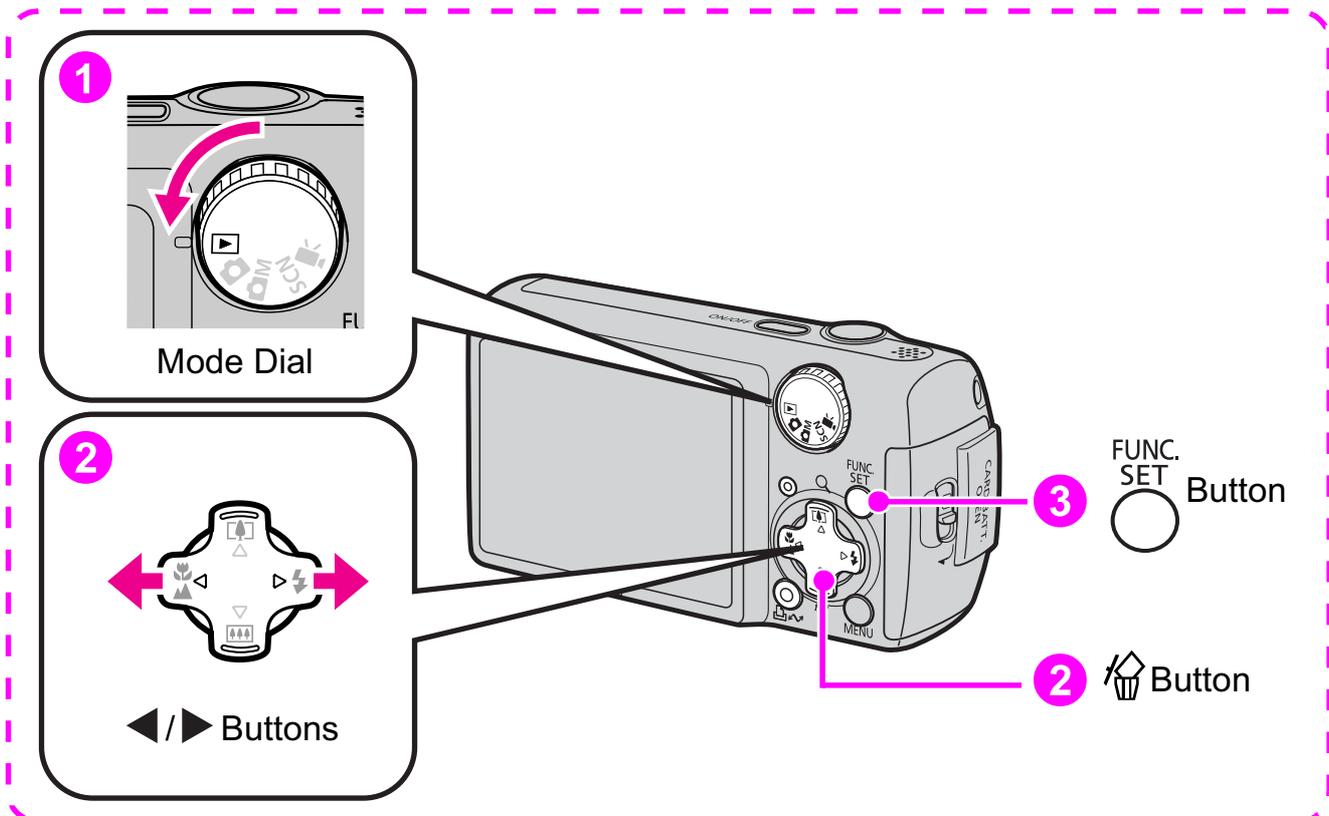
2 Use the  or  button to display the image you wish to view.

- Use the  button to move to the previous image and the  button to move to the next image.
- The images advance more quickly if you keep the button pressed continuously, but they will appear coarse.



- Setting [Resume] to either [Last seen]* or [Last shot] in the  (Play) menu allows you to specify the image to display in Playback mode (* Default setting). If you select [Last seen], the last image viewed will display (Resume Playback).
- The following actions will display the most recent image regardless of the [Resume] settings.
Shooting an image, changing the memory card, or editing an image on the memory card using a computer.

Erasing

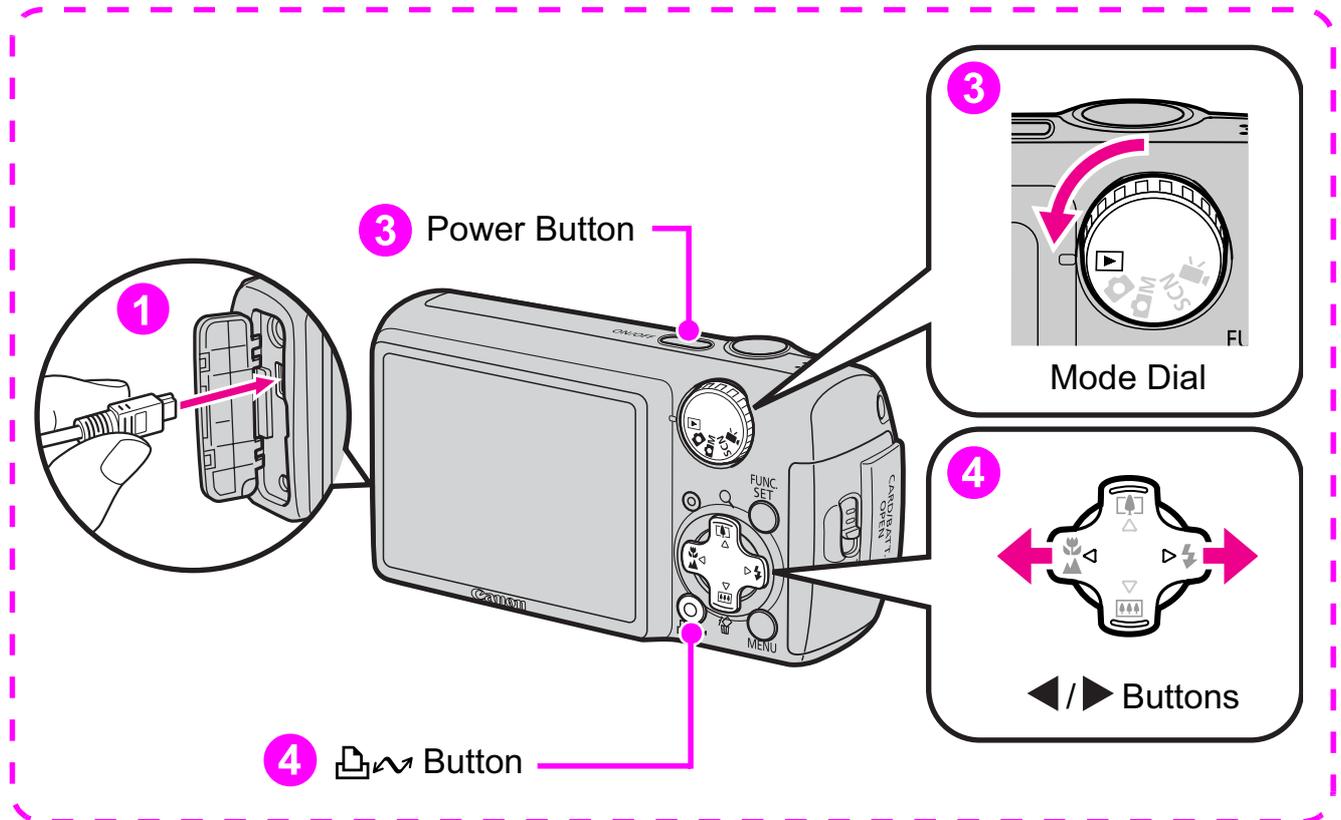


- 1 Set the mode dial to  (Playback).
- 2 Use the  or  button to select an image to erase and press the  button.
- 3 Confirm that [Erase] is selected and press the FUNC./SET button.
 - To exit instead of erasing, select [Cancel].



Please note that erased images cannot be recovered. Exercise adequate caution before erasing an image.

Printing



1 Connect the camera to a direct print compatible printer.

- Open the camera's terminal cover and insert the interface cable all the way into the connector.
- See the printer's user guide for connection instructions.
- Since this camera uses a standard protocol (PictBridge), you can use it with other PictBridge-compliant printers in addition to Canon-brand printers. Please see the *Direct Print User Guide* for more information.

2 Turn on the printer.

3 Set the camera's mode dial to (Playback) and press the power button.

- The  button will light blue.

4 Use the or button to select an image to print and press the button.

- The  button will blink blue and printing will start.

Printing From a Print List

You can add images directly to a print list by merely pressing the  button immediately after shooting or playing back an image. You can then print the images from the print list easily, when connecting the camera to a printer.

Adding to a Print List

1 Press the  button (still images only).

2 Add to the print list.

1. Use the  or  button to set the number of copies to print.

2. Use the  or  button to select [Add].

3. Press the FUNC./SET button.

- To remove an image from the print list, press the  button again, use the  or  button to select [Remove] and press the FUNC./SET button.



Printing Images in a Print List

This explanation is based on the use of a Canon SELPHY ES series or SELPHY CP series printer.

1 Connect the camera to a printer.

2 Print.

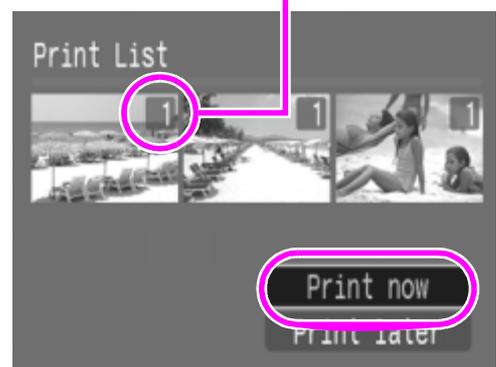
1. Use the  or  button to select [Print now].

- You can use the  or  button to confirm the images added to the print list.

2. Press the FUNC./SET button.

- Printing will start.
- If printing is halted and resumed, printing will start from the next image in the queue.

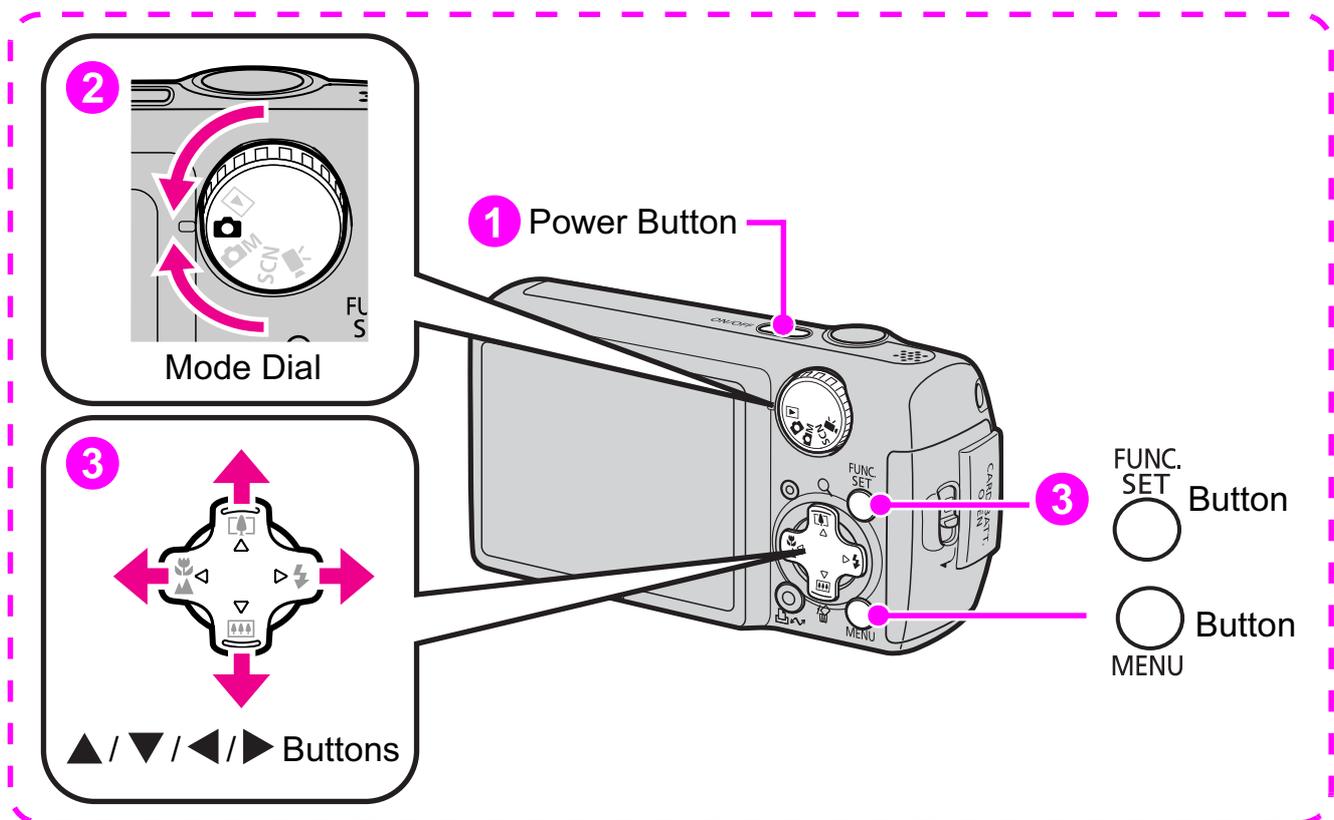
Number of copies to print



Embedding the Date in the Image Data

This section explains how to embed date information on images as they are recorded (Date Stamp).

- The date stamp cannot be deleted from the image data once it has been embedded. Ensure that the camera's date/time is set correctly beforehand (p. 8).
- The image size is fixed to the 2M (1600 x 1200) setting and the compression to Fine (appropriate for printing L-size or postcard-size prints).



1 Press the power button.

2 Set the mode dial to  (Auto).

- You can also make this setting in M or SCN mode.

3 Select (Date Stamp).

1. Press the FUNC./SET button.
2. Use the ▲ or ▼ button to select .



3. Use the ◀ or ▶ button to select .

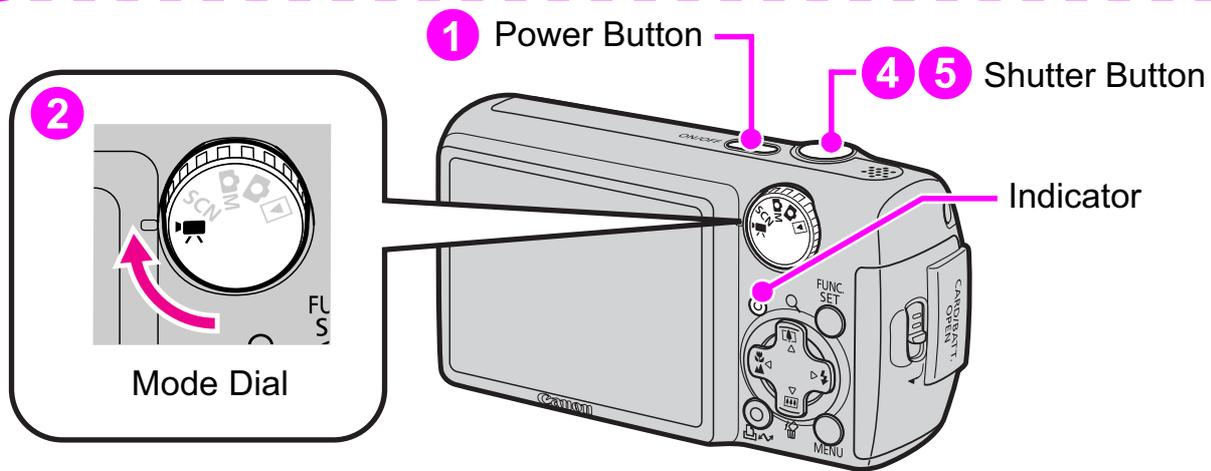
- The area that will not print displays in gray.
- Pressing the **MENU** button allows you to switch to [Date & Time] using the ◀ or ▶ button.



You can use the following methods to imprint the date on images lacking imprinted date stamps.

- **Set with the camera's Digital Print Order Format (DPOF) function.**
Set the [Date] option to [On] in [Print Settings] in the  (Print) menu.
- **Connect the camera to a printer and imprint the date.**
See the *Direct Print User Guide*.
- **Insert a memory card into the printer and imprint the date.**
See your printer user guide.
- **Use the supplied software.**
See the *Software Starter Guide*.

Shooting Movies (Standard Mode)



1 Press the power button.

2 Select a shooting mode.

1. Set the mode dial to  (Movie).

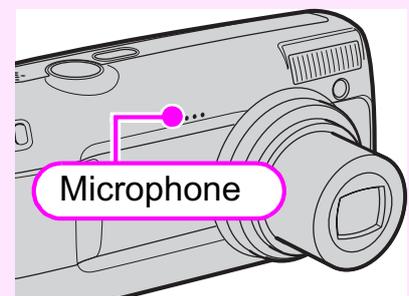
- Confirm that the camera is set to  (Standard).



3 Aim the camera at the subject.



- Do not touch the microphone while recording.
- Do not press any buttons other than the shutter,  or  button. The sound that buttons make will be recorded in the movie.



4 Press the shutter button lightly (press halfway) to set the focus.

- An electronic beep will sound twice and the indicator will light green when the camera focuses.
- The exposure, focus and white balance are automatically set when you press the button halfway.

5 Without changing anything else, press the shutter button all the way (press fully) to shoot.

- Recording starts.
- During the recording, the elapsed recording time and [● Rec.] will display in the LCD monitor.

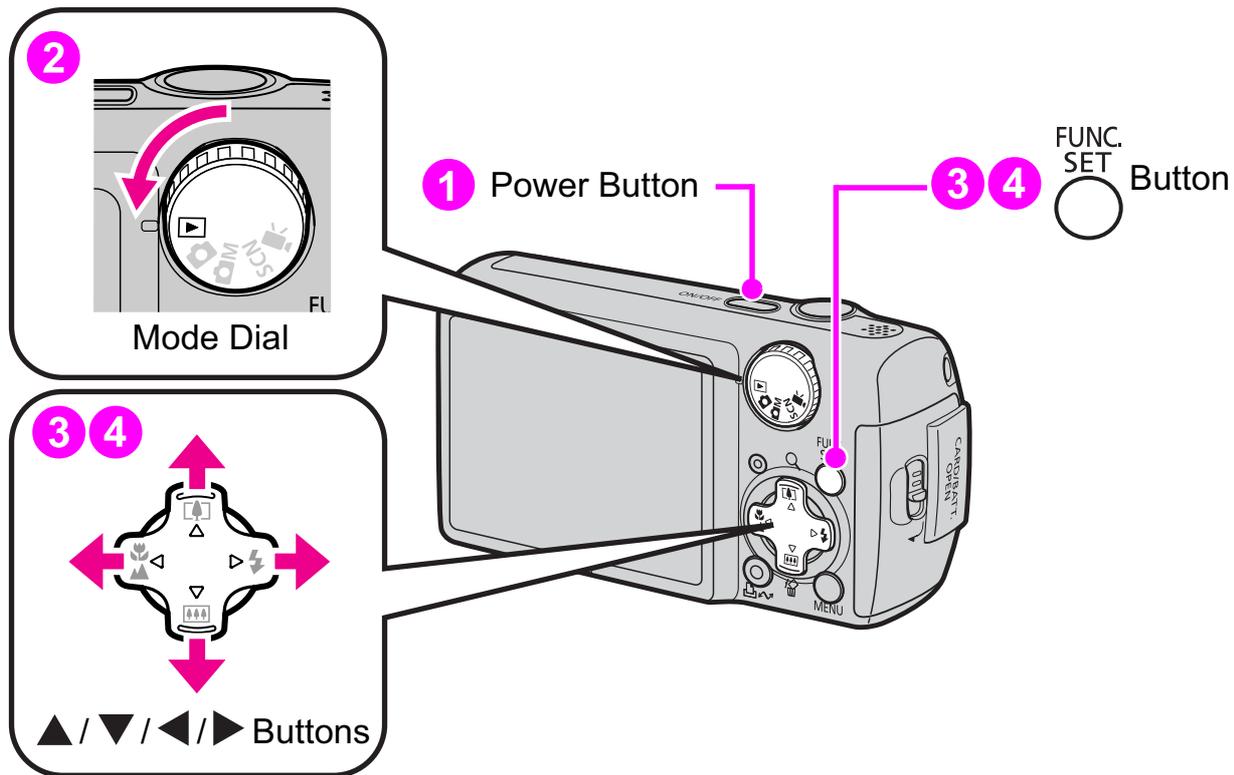


Elapsed Time

6 Press the shutter button again (press fully) to stop recording.

- The indicator will blink green and the data will be recorded onto the memory card.
- Recording will stop automatically when the maximum recording time elapses, or the built-in memory or memory card become full.

Viewing Movies



- 1 Press the power button.
- 2 Set the mode dial to  (Playback).
- 3 Use the  or  button to display a movie and press the **FUNC./SET** button.

- Images with a **SET**  icon are movies.



- 4 Use the  or  button to select  (Play) and press the **FUNC./SET** button.

- The movie will start playing.
- If you press the **FUNC./SET** button during playback, you can pause and restart the movie.
- You can adjust the playback volume with the  or  button.



Downloading Images to a Computer

You are recommended to use the supplied software to download images to your computer.

Items to Prepare

- Camera and computer
- Canon Digital Camera Solution Disk supplied with the camera
- Interface cable supplied with the camera

System Requirements

Please install the software on a computer meeting the following minimum requirements.

■ Windows

OS	Windows Vista Windows XP Service Pack 2 Windows 2000 Service Pack 4
Computer Model	The above OS should be pre-installed on computers with built-in USB ports.
CPU	Windows Vista : Pentium 1.3 GHz or higher Windows XP/Windows 2000 : Pentium 500 MHz or higher
RAM	Windows Vista : 512 MB or more Windows XP/Windows 2000 : 256 MB or more
Interface	USB
Free Hard Disk Space	<ul style="list-style-type: none"> • Canon Utilities <ul style="list-style-type: none"> - ZoomBrowser EX : 200 MB or more - PhotoStitch : 40 MB or more • Canon Camera TWAIN Driver : 25 MB or more
Display	1,024 x 768 pixels/High Color (16 bit) or better

■ Macintosh

OS	Mac OS X (v10.3–v10.4)
Computer Model	The above OS should be pre-installed on computers with built-in USB ports.
CPU	PowerPC G3/G4/G5 or Intel Processor
RAM	256 MB or more
Interface	USB
Free Hard Disk Space	<ul style="list-style-type: none"> • Canon Utilities <ul style="list-style-type: none"> - ImageBrowser : 300 MB or more - PhotoStitch : 50 MB or more
Display	1,024 x 768 pixels/32,000 Colors or better

Preparing to Download Images

Windows 2000 users must install the software before connecting the camera to the computer.

1 Installing the software.

■ Windows

1. Place the Canon Digital Camera Solution Disk in the computer's CD-ROM drive.

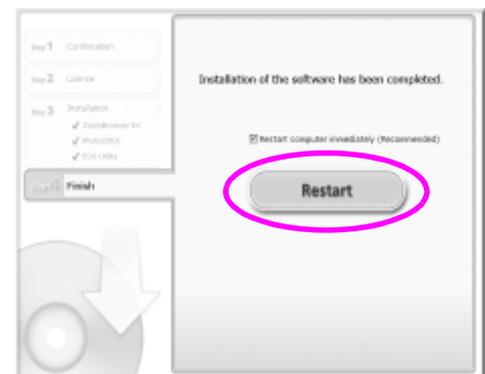
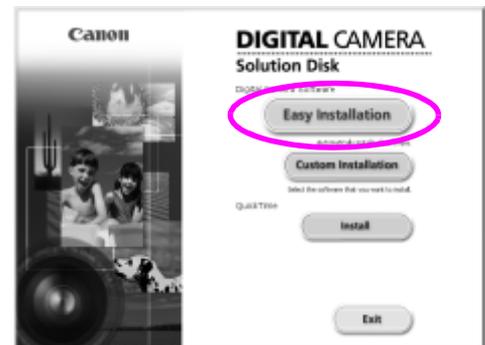
2. Click [Easy Installation].

Follow the onscreen messages to proceed with the installation.

3. Click [Restart] or [Finish] once the installation is complete.

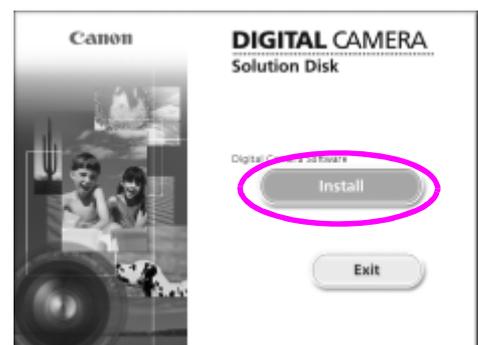
When the installation is complete, [Restart] or [Finish] will display. Click the button that appears.

4. Remove the CD-ROM from the drive when your normal desktop screen appears.



■ Macintosh

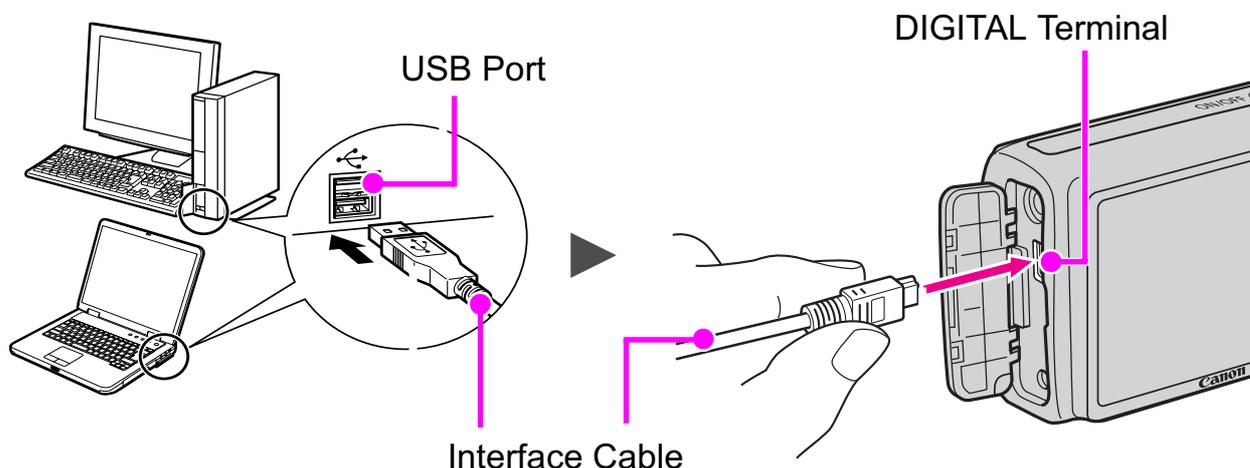
Double-click the  icon in the CD-ROM window. When the installer panel appears, click [Install]. Follow the onscreen instructions to proceed.



2 Connecting the camera to a computer.

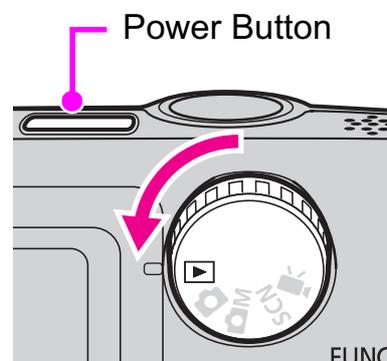
1. Connect the supplied interface cable to the computer's USB port and to the camera's DIGITAL terminal.

- Open the Camera's terminal cover and insert the interface cable all the way into the connector.



3 Preparing to download images to the computer.

1. Set the camera's mode dial to (Playback) and press the power button.

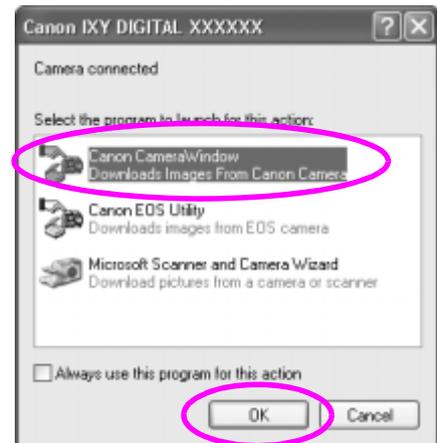


If the Digital Signature Not Found window appears, click [Yes]. The USB driver will automatically finish installing onto the computer when you attach the camera and open a connection.

4 Displaying the Camera Window.

■ Windows

Select [Canon CameraWindow] and click [OK].



If this event dialog does not appear, click the [Start] menu and select [All Programs] or [Programs], followed by [Canon Utilities], [CameraWindow], [CameraWindow] and [CameraWindow].

CameraWindow will display.



■ Macintosh

CameraWindow will appear when you establish a connection between the camera and computer. If it fails to appear, click the [CameraWindow] icon on the Dock (the bar which appears at the bottom of the desktop).

Preparations for downloading images are now finished. Please proceed to the Downloading Images Using the Camera (Direct Transfer) section (p. 25) (except Windows 2000).

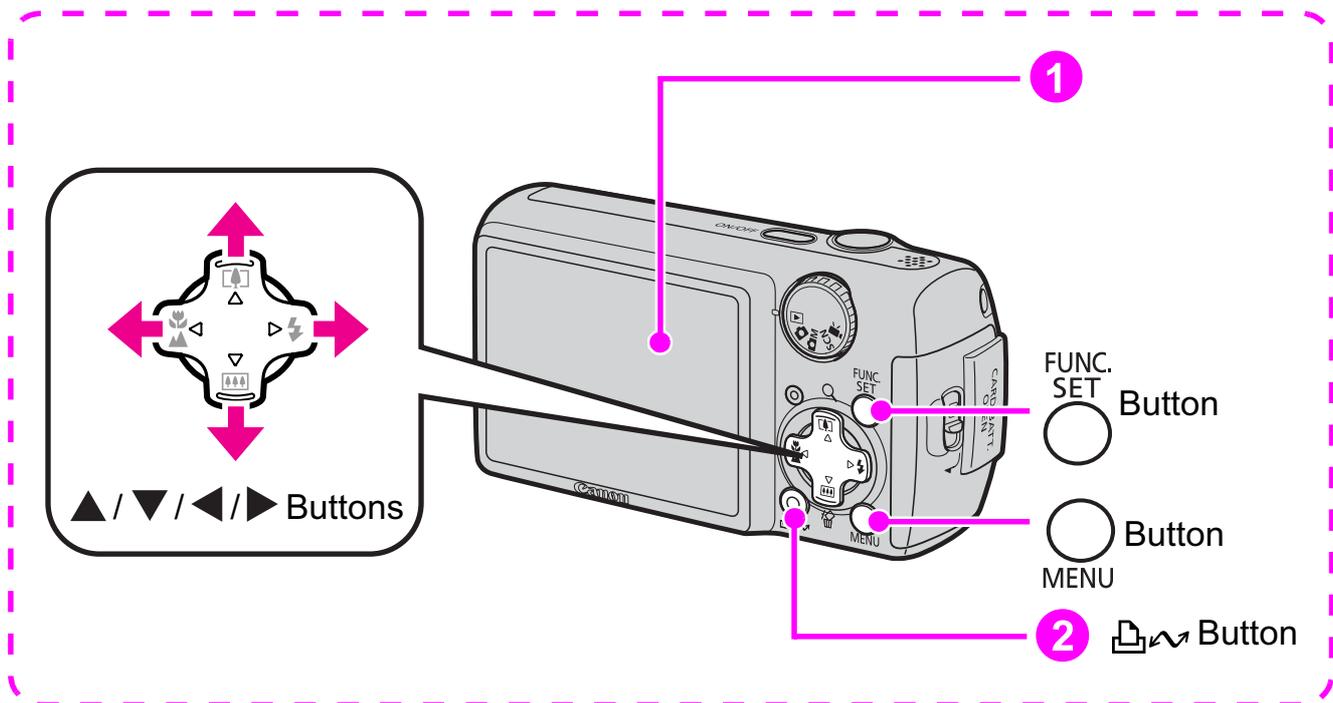


- Please refer to the *Software Starter Guide* regarding how to download images using the computer.
- If you are using Windows 2000, please download images using computer commands.

Downloading Images Using the Camera (Direct Transfer)

Use this method to download images using camera operations (except Windows 2000).

Install the software before downloading images via the Direct Transfer method for the first time (p. 22).



1 Confirm that the Direct Transfer menu is displayed on the camera's LCD monitor.

- The  button will light blue.
- Press the **MENU** button if the Direct Transfer menu fails to appear.



Direct Transfer Menu

2 Press the  button.

- Images not previously downloaded will download to the computer.

You can also use the following options in the Direct Transfer menu to set the method for downloading images.

	All Images	Transfers and saves all images to the computer.
	New Images	Transfers and saves to the computer only the images that have not been previously transferred.
	DPOF Trans. Images	Transfers and saves to the computer only the images with DPOF Transfer Order settings.
	Select & Transfer	Transfers and saves single images to the computer as you view and select them.
	Wallpaper	Transfers and saves single images to the computer as you view and select them. The transferred images display as the background on the computer desktop.

■ All Images/New Images/DPOF Trans. Images

1. Confirm that the Direct Transfer menu is displayed on the camera's LCD monitor.
2. Use the ▲ or ▼ button to select , , or  and press the  button.
 - The images will download. The  button will blink blue while downloading is in progress.
 - The display will return to the Direct Transfer menu when the download is complete.
 - To cancel the download, press the **FUNC./SET** button.



■ Select & Transfer/Wallpaper

1. Confirm that the Direct Transfer menu is displayed on the camera's LCD monitor.
2. Use the ▲ or ▼ button to select  or  and press the  (or **FUNC./SET**) button.

3. Use the ◀ or ▶ button to select images to download and press the  button.

- The images will download. The  button will blink blue while downloading is in progress.



4. Press the MENU button after downloading finishes.

- You will return to the Direct Transfer menu.



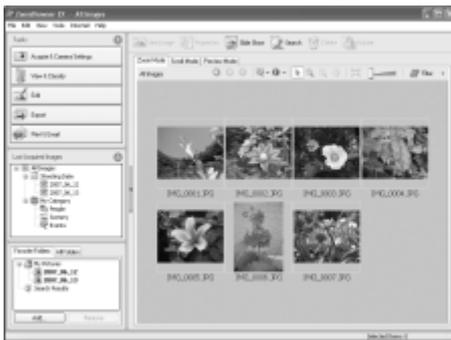
Only JPEG images can be downloaded as wallpaper for a computer.



The option selected with the  button is retained even when the camera's power is turned off. The previous setting will be in effect the next time the Direct Transfer menu is displayed. The image selection screen will appear directly when the [Select & Transfer] or the [Wallpaper] option was last selected.

Click  at the bottom right of the window to close the CameraWindow and the downloaded images will display on the computer.

■ Windows



ZoomBrowser EX

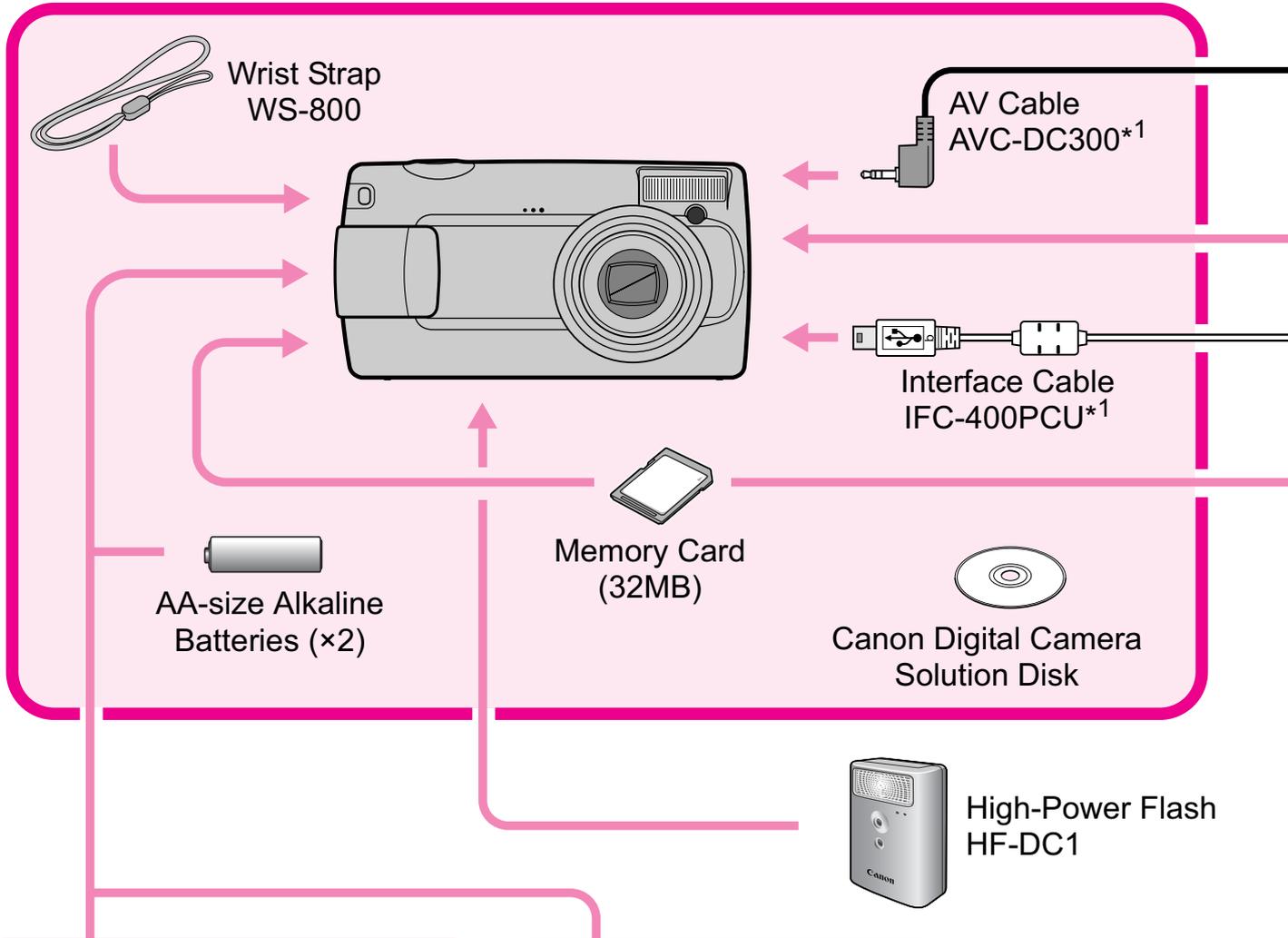
■ Macintosh



ImageBrowser

By default, images are saved on the computer in folders according to the shooting date.

System Map

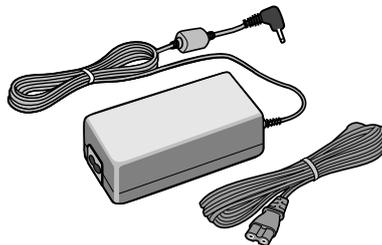


Battery and Charger Kit CBK4-300*6

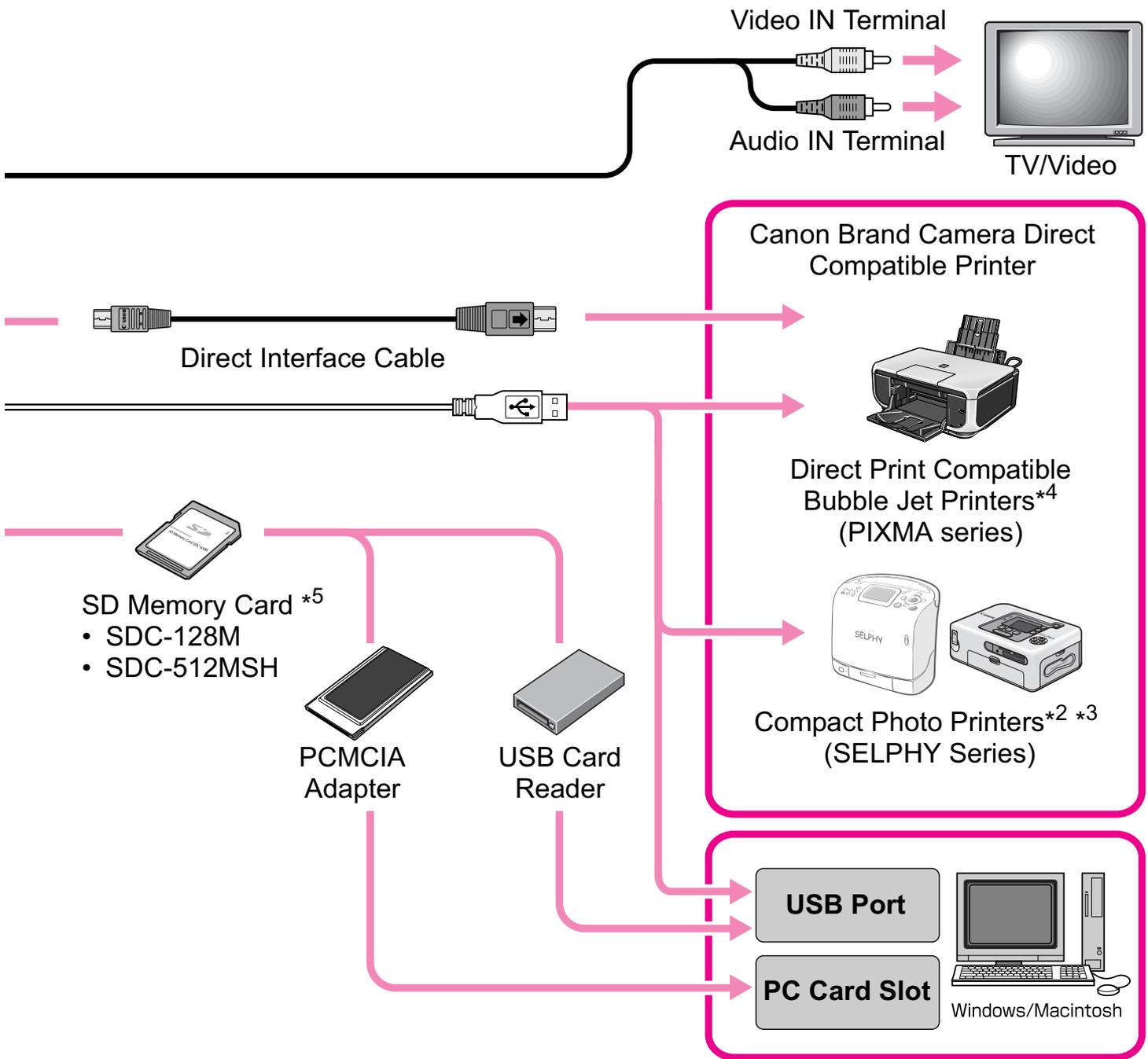


- Battery Charger CB-5AH/CB-5AHE
- AA-size NiMH batteries NB-3AH (x4)
- A separately sold four-cell set of AA-size nickel metal hydride batteries (NB4-300) is also available
- Two batteries are used for this camera

AC Adapter Kit ACK800



- Compact Power Adapter CA-PS800
- Power Cord



*1 Also available for purchase separately.

*2 See the user guide supplied with the printer for more information on the printer.

*3 This camera can also be connected to the CP-10/CP-100/CP-200/CP-300.

*4 See the user guide supplied with the Bubble Jet printer for more information on the printer and interface cables.

*5 Not sold in some regions.

*6 The Battery and Charger Kit CBK4-200 can also be used.

Optional Accessories

The following camera accessories are sold separately.

Some accessories are not sold in some regions, or may no longer be available.

■ Flash

- **High-Power Flash HF-DC1**

This attachable supplementary flash can be used to capture photographic subjects that are too distant for the built-in flash to illuminate.

■ Power Supplies

- **AC Adapter Kit ACK800**

This kit lets you power the camera from any standard household power outlet. Recommended to power a camera for an extended period of time or when connecting to a computer (cannot be used to charge the camera).

- **Battery and Charger Kit CBK4-300**

This dedicated battery charger kit includes both a charger unit and four rechargeable AA-size NiMH (nickel metal hydride) batteries. Convenient when taking or playing back large numbers of images. You can also purchase NiMH Battery NB4-300, a set of four rechargeable AA-size NiMH batteries separately.

■ Other Accessories

- **SD Memory Card**

SD memory cards are used to store images recorded by the camera. Canon brand memory cards are available in 128 MB and 512 MB capacities.

- **Interface Cable IFC-400PCU**

Use this cable to connect the camera to a computer, Compact Photo Printer (SELPHY series), or to a Bubble Jet printer (refer to your Bubble Jet printer user guide).

- **AV Cable AVC-DC300**

Use this cable to connect the camera to a TV set.

Direct Print Compatible Printers

Canon offers the following separately sold printers for use with the camera. You can produce photo quality prints quickly and easily by connecting them to the camera with a single cable and operating the camera's controls.

- **Compact Photo Printers (SELPHY series)**
- **Bubble Jet Printers (PIXMA series)**

For more information, visit your nearest Canon retailer.

Use of genuine Canon accessories is recommended.

This product is designed to achieve excellent performance when used with genuine Canon accessories. Canon shall not be liable for any damage to this product and/or accidents such as fire, etc., caused by the malfunction of non-genuine Canon accessories (e.g., a leakage and/or explosion of a battery pack). Please note that this warranty does not apply to repairs arising out of the malfunction of non-genuine Canon accessories, although you may request such repairs on a chargeable basis.

When connecting to and using a household power outlet, use only AC Adapter Kit ACK800 (rated input: 100-240 V AC 50/60 Hz, rated output: 3.15 V DC). Using anything else can cause fire, overheating, or electrical shock.



U.S.A. and Canada only:

The Nickel-Metal Hydride battery that powers the product is recyclable.

Please call 1-800-8-BATTERY for information on how to recycle this battery.

Safety Precautions

Be sure to read, understand and follow the safety precautions below when using the camera, in order to prevent injury, burns or electrical shock to yourself and others.

Be sure to also read the safety precautions listed in the PDF version of the *Camera User Guide*.



Warnings

- Do not trigger the flash in close proximity to human or animal eyes.
- Store this equipment out of the reach of children and infants.
- Avoid dropping or subjecting the camera to severe impacts. Do not touch the flash portion of the camera if it has been damaged.
- Stop operating the equipment immediately if it emits smoke or noxious fumes.
- Do not handle the power cord if your hands are wet.
- Do not use batteries which are not specified for this camera.
- The compact power adapter output terminals have been designed exclusively for this equipment. Do not use them for other products.

For CA, USA only

Included lithium battery contains Perchlorate Material - special handling may apply.

See www.dtsc.ca.gov/hazardouswaste/perchlorate/ for details.

FCC Notice

(Digital Camera, Model PC1267 systems)

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.

Note: This equipment has been tested and found to comply with the limits for Class B digital devices, 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.

The cable with the ferrite core provided with the digital camera must be used with this equipment in order to comply with Class B limits in Subpart B of Part 15 of the FCC rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

Canon U.S.A., Inc.

One Canon Plaza, Lake Success, NY 11042, U.S.A.

Tel No. (516) 328-5600

Canadian Radio Interference Regulations

This Class B digital apparatus complies with Canadian ICES-003.

Réglementation canadienne sur les interférences radio

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.