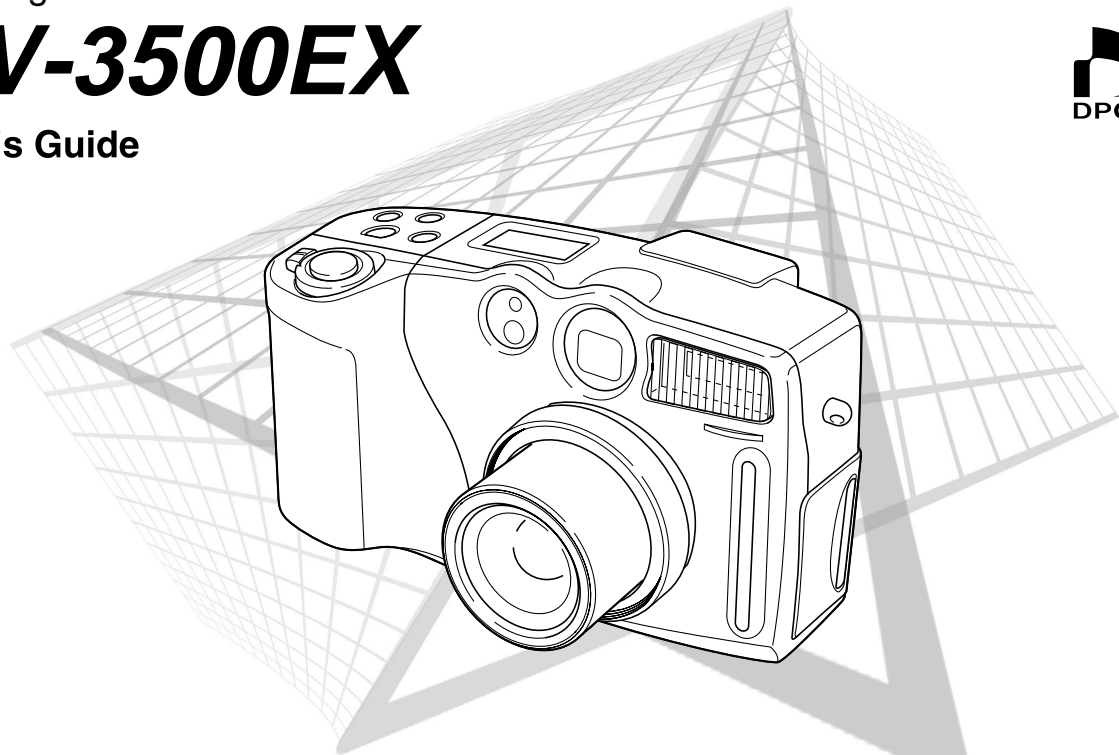


LCD Digital Camera

# ***QV-3500EX***

**User's Guide**



English

**CASIO®**

# INTRODUCTION

To get the most out of your new CASIO Digital Camera, make sure you read this manual carefully and keep it on hand for future reference.

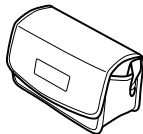
## Unpacking

Check to make sure that all of the items shown below are included with your camera. If something is missing, contact your dealer as soon as possible.

*Camera*



*Soft case*



*Lens cap/cap holder*

The lens cap should be affixed to the lens of the camera when you unpack it.



*Memory card (8 MB CompactFlash card)*

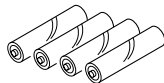
Loaded in the camera when you purchase it.



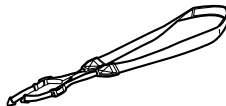
*Special video cable*



*Alkaline batteries  
(4 AA-size batteries)*



*Neck strap*



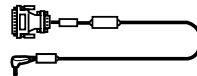
*CD-ROM*



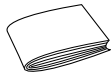
*Special USB cable*



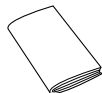
*Data transfer cable*



*Basic Reference*



*Bundled Software  
User's Manual*



## Contents

## E-2 INTRODUCTION

Unpacking .....	E-2
Contents .....	E-3
Quick Reference .....	E-7
Getting Ready .....	E-7
Recording an Image .....	E-8
Playback .....	E-9
Deleting Images .....	E-10
Features .....	E-12
Recording Features .....	E-13
Precautions .....	E-15
General Precautions .....	E-15
Operating conditions .....	E-16
Condensation .....	E-16
About the camera's backlight...	E-17

## E-18 GETTING ACQUAINTED

General Guide .....	E-18
Front .....	E-18
Back .....	E-19
Side .....	E-20
Bottom .....	E-20

Lens .....	E-21
Installing a Conversion Lens or Close-up Lens .....	E-21
Using a Filter .....	E-23
Lens Precautions .....	E-24
Monitor Screen Indicators .....	E-25
REC mode .....	E-25
PLAY mode .....	E-26
Changing the Contents of the Monitor Screen .....	E-27
Indicator display .....	E-28
Operation Indicator Lamp .....	E-28
Operation lamp .....	E-28
Flash lamp .....	E-29
Self-timer lamp .....	E-29
Using the Bundled Accessories .....	E-30
Using the Lens Cap .....	E-30
Attaching the Neck Strap .....	E-30
Adjusting the Length of the Neck Strap .....	E-31
Using the Soft Case .....	E-31
Power Requirements .....	E-32
Loading Batteries .....	E-32
Battery Handling Precautions .....	E-35
Low Battery Indicator .....	E-35
Using AC Power .....	E-36
Turning the Camera On and Off .....	E-37
Power Save Settings .....	E-37
Memory Cards .....	E-39
Inserting a Memory Card into the Camera .....	E-39
Removing a Memory Card from the Camera .....	E-40
Formatting a Memory Card .....	E-41
Memory Card Precautions .....	E-42
IBM Microdrive Precautions .....	E-42

Menu Screens .....	E-44
Setting the Current Date and Time .....	E-45
Setting the Date and Time .....	E-45
Selecting the Date Format .....	E-46
Time Stamp .....	E-47

Specifying Image Size and Quality .....	E-64
Using the Self-timer .....	E-65
Exposure Compensation .....	E-66

**E-48 BASIC IMAGE RECORDING**

Recording a Simple Snapshot .....	E-48
About the REC Mode Monitor Screen .....	E-50
About Auto Focus .....	E-50
Recording Precautions .....	E-50
Image Recording when the Battery is Low .....	E-51
Camera Orientation Detection .....	E-51
Previewing the Last Image Recorded .....	E-52
Deleting the an Image in the REC Mode .....	E-53
Using the Viewfinder for Recording .....	E-53
Using Zoom .....	E-54
Using Optical Zoom .....	E-54
Using Digital Zoom .....	E-55
Using the Flash .....	E-56
Flash Status Indicators .....	E-57
Adjusting the Flash Intensity .....	E-57
Precautions when Using Flash .....	E-58
Selecting the Focus Mode .....	E-59
Using the Auto Focus Mode .....	E-59
Using the Macro Mode .....	E-60
Using the Infinity Mode .....	E-61
Using the Manual Focus Mode .....	E-61
Using Focus Lock .....	E-62
Specifying the Focus Frame Location .....	E-63

**E-68 OTHER RECORDING FUNCTIONS**

Using the Continuous Shutter Mode .....	E-68
Shooting Portraits .....	E-69
Shooting Landscapes .....	E-69
Shooting Night Scenes .....	E-70
Instant Setup Using the Best Shot Mode .....	E-71
Specifying the Location of Best Shot Mode Scene Images .....	E-73
Registering Your Own Scene Setups .....	E-73
Importing a Scene from the Best Shot Library on the CD-ROM .....	E-74
Recording a Movie .....	E-76
To record a movie using the normal mode .....	E-77
To record a movie using the past mode .....	E-77
Shooting Panoramas .....	E-78
Specifying the Exposure Mode .....	E-79
Program AE .....	E-79
Aperture Priority AE .....	E-80
Shutter Speed Priority AE .....	E-81
Manual Exposure .....	E-83
Quick Exposure Mode Selection .....	E-84
Selecting the Metering Mode .....	E-85
Quick Metering Mode Selection .....	E-86

Setting the Sensitivity Level .....	E-86
Using the Filter Function .....	E-87
Selecting White Balance .....	E-88
Adjusting White Balance Manually .....	E-88
Quick White Balance Selection .....	E-89
Enhancing Certain Colors .....	E-90
Turning the On-screen Grid On and Off .....	E-91
Specifying Outline Sharpness .....	E-92
Specifying Color Saturation .....	E-92
Specifying Contrast .....	E-93
Saving Uncompressed Images (TIFF Mode) .....	E-93
Specifying Power On Default Settings .....	E-94
Resetting the Camera .....	E-95
Using the Camera's Shortcut Features .....	E-96
Changing REC mode FUNCTION Menu Settings .....	
Using the Shortcut Buttons .....	E-96
To assign REC mode FUNCTION menu items .....	
to shortcut buttons .....	E-97
Directly Accessing the REC mode FUNCTION Menu .....	E-99

**E-100 PLAYBACK**

Basic Playback Operation .....	E-100
Playing a Movie .....	E-101
Playing a Panorama .....	E-102
Enlarging the Playback Image .....	E-103

Displaying the 9-image View .....	E-104
Selecting a Specific Image in the 9-image View .....	E-105
Displaying the Histogram .....	E-106
Using the Slide Show Feature .....	E-107
Resizing an Image .....	E-108
Cropping an Image .....	E-109

**E-110 DELETING IMAGES**

Deleting the Displayed Image .....	E-110
Deleting Selected Images .....	E-111
Deleting All Images in Selected Folders .....	E-112
Deleting All Unprotected Images .....	E-113

**E-114 MANAGING IMAGES**

Folders and Files .....	E-114
Folders .....	E-114
Files .....	E-115
Selecting a Folder for Playback .....	E-116
Protecting Images Against Deletion .....	E-116
Protecting Selected Images .....	E-116
Protecting and Unprotecting All Images in Selected .....	
Folders .....	E-117
Protecting and Unprotecting All Images .....	E-118
DPOF .....	E-119

Making DPOF Settings for Particular Images	E-119
Making DPOF Settings for Particular Folders	E-120
Making DPOF Settings of All Images on the Memory Card	E-121

**E-122 OTHER SETTINGS**

Changing the Display Language .....	E-122
Turning the Confirmation Beep On and Off .....	E-122

**E-123 CONNECTING TO EXTERNAL EQUIPMENT**

Connecting to a Television .....	E-124
Selecting the Video Output Signal Mode	E-125
Connecting the Wired Remote Controller to the Camera .....	E-126
Connecting to a Computer .....	E-126
USB Port Connection (Windows, Macintosh)	E-127
Using a Serial Port Connection	E-128
Using a Memory Card to Transfer Image Data .....	E-129
Memory Card Data	E-130
DCF Protocol	E-130
Memory Card File Structure	E-131
Image Files Supported by the Camera	E-132
Precautions when Using a Memory Card on a Computer	E-133
Using the HTML Card Browser .....	E-134
Specifying the Card Browser Type	E-134

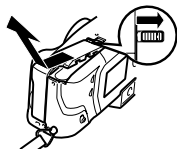
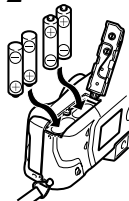
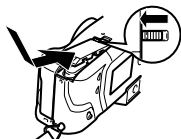
Viewing Card Browser File Contents	E-136
Saving Card Browser Files	E-139

**E-140 REFERENCE**

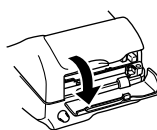
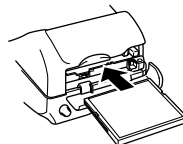
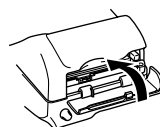
Camera Menu .....	E-140
REC mode	E-140
PLAY mode	E-141
Mode Settings .....	E-142
Settings in Each Mode	E-142
Recording Mode + Exposure Mode Combinations	E-143
Troubleshooting .....	E-144
Messages	E-147
Specifications .....	E-149

**Getting Ready****1****Load batteries.**

(page E-32)

**1****2****3****2****Insert the memory card.**

(page E-39)

**1****2****3****3****Set the current time and date.**

(page E-45)

## Recording an Image (page E-48)

**4**

After confirming that the Auto Focus operation is complete (the operation lamp lights green), press the shutter release button all the way down to record the image.

**3**

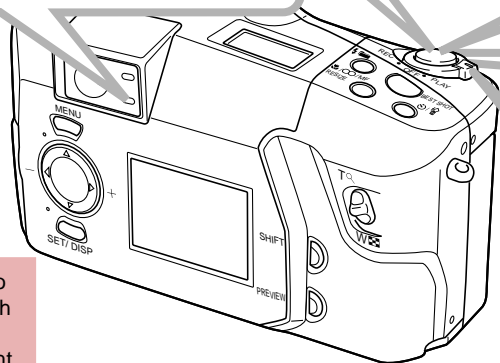
Point the camera at the subject, compose the image on the monitor screen, and press the shutter release button half way to focus the image.

**1**

Remove the lens cap from the lens.

**2**

Align the POWER/Function Switch with REC.



Use the Diopter Dial to adjust the view through the viewfinder to suit your particular eyesight. (page E-54)



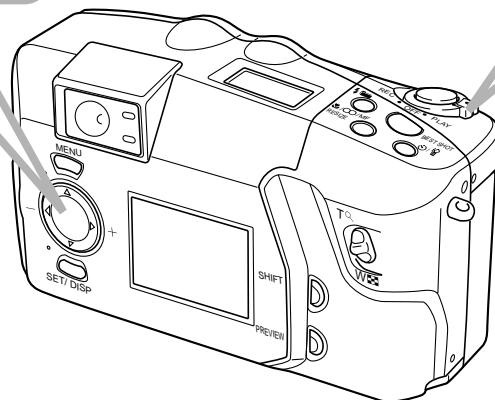
## Playback (page E-100)

**2**

Use [▶] (forward) and [◀] (back) to scroll through stored images on the monitor screen.

**1**

Align the POWER/Function Switch with PLAY.



## Deleting Images (page E-110)

**2**

Use [▶] (forward) and [◀] (back) to scroll through stored images and display the one you want to delete.

**1**

Align the POWER/Function Switch with PLAY.

**3**

Press  .

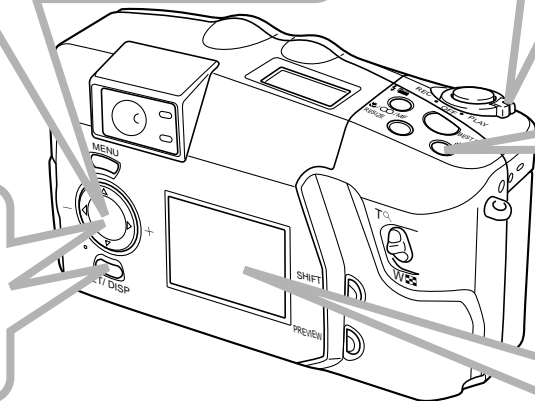
**4**


Double check to make sure that you really want to delete the image you selected.

- You can exit the image delete operation by pressing MENU.

**5**

Press [▼] to select "Yes" and then press SET/DISP button.



- CASIO COMPUTER CO., LTD. assumes no responsibility for any damage or loss resulting from the use of this manual.
- CASIO COMPUTER CO., LTD. assumes no responsibility for any loss or claims by third parties which may arise through the use of the QV-3500EX.
- CASIO COMPUTER CO., LTD. assumes no responsibility for any damage or loss caused by deletion of data as a result of malfunction, repairs, or battery replacement. Be sure to back up all important data on other media to protect against its loss.
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- *Macintosh is a registered trademark of Apple Computer, Inc.*
- *CompactFlash™ and  logo are registered trademarks of SanDisk Corporation.*
- *The USB driver uses software by Phoenix Technologies Ltd.,  
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- *Other company, product and service names used herein may also be trademarks or service marks of others.*

## Features

- High-resolution 3.34-megapixel CCD
- 1.8-inch low-glare color LCD (HAST)
- 12X zoom: 3X optical zoom, 4X digital zoom
- Memory card image storage  
Supports CompactFlash cards (CF TYPE I/II) and the IBM microdrive.
- Digital Print Order Format (DPOF)  
Images can be printed easily in the sequence you want using a DPOF compatible printer. DPOF can also be used when specifying images and quantities for printing by professional print services.
- DCF Data Storage  
DCF (Design rule for Camera File system) data storage protocol provides image inter-compatibility with printers and other digital cameras.
- VIDEO OUT terminal  
Connect to your TV for big-screen viewing of images.
- USB compatibility  
Connect to your computer for quick and easy image exchange.

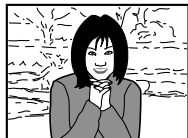
- HTML File Card Browser  
Images are displayed on your computer screen in a convenient format.  
You can view a gallery of image thumbnails on your computer screen.



- Image management and manipulation software  
The QV-3500EX comes bundled with a CD-ROM that's packed with useful software. Photo Loader automates uploading of images to your computer, and Panorama Editor lets you stitch images together into panorama scenes. Other bundled applications include Internet Explorer (Web browser), Outlook Express (e-mail software), and QuickTime (movie viewer). You also get a copy of the Adobe Acrobat Reader PDF file reader for reading the user documentation on the CD-ROM.

## Recording Features

### Portrait Mode



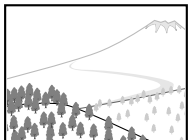
page E-69

### Best Shot Mode



page E-71

### Landscape Mode



page E-69

### Movie Mode



page E-76

### Night Scene Mode



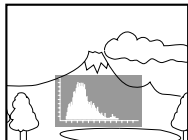
page E-70

### Panorama Mode



page E-78

## Histogram



page E-106

## Four exposure modes

Program AE, aperture priority AE, shutter speed priority AE, manual exposure

pages E-79 to E-84

## Three metering modes

Multi-pattern, center weighted, spot

pages E-85 to E-86

## Four focus modes

Auto focus, macro, infinity, manual

pages E-59 to E-62

## Precautions

### General Precautions

Be sure to observe the following important precautions whenever using the QV-3500EX.

All references in this manual to “this camera” and “the camera” refer to the CASIO QV-3500EX Digital Camera.

- Never try to take pictures or use the built-in display while operating a motor vehicle or while walking. Doing so creates the danger of serious accident.
- Never try to open the case of the camera or attempt your own repairs. High-voltage internal components create the risk of electrical shock when exposed. Always leave maintenance and repair work up to authorized CASIO service providers.
- Never fire the flash in the direction of a person operating a motor vehicle. Doing so can interfere with the driver's vision and create the danger of accident.
- Never fire the flash while it is too close to the subject's eyes. Intense light from the flash can cause eye damage if it is fired too close to the eyes, especially with young children. When using the flash, the camera should be at least one meter from the eyes of the subject.
- Keep the camera away from water and other liquids, and never let it get wet. Moisture creates the danger of fire and electrical shock. Never use the camera outdoors in the rain or snow, at the seashore or beach, in the bathroom, etc.
- Should foreign matter or water ever get into the camera, immediately turn power off, unplug the AC adaptor from the power outlet, and contact your dealer or nearest CASIO service provider. Using the camera under these conditions creates the danger of fire and electrical shock.
- Should you ever notice smoke or a strange odor coming out of the camera, immediately turn power off and unplug the AC adaptor from the power outlet. Using the camera under these conditions creates the danger of fire and electrical shock. After making sure there is no more smoke coming from the camera, take it to your nearest CASIO service provider for repair. Never attempt your own maintenance.
- At least once a year, unplug the AC adaptor from the power outlet and clean the area around the prongs of the plug. Dust build up around the prongs can create the danger of fire.
- If the camera's case should ever become cracked due to dropping it or otherwise subjecting it to rough treatment, immediately turn power off, unplug the AC adaptor from the power outlet, and contact your nearest CASIO service provider.
- Never use the camera inside of an air craft or in any other areas where its use is prohibited. Doing so can result in an accident.
- Physical damage and malfunction of this camera can cause the image data stored in its memory to be deleted. Be sure to always keep backup copies of data by transferring them to personal computer memory.

- Never open the battery compartment cover, disconnect the AC adaptor from the camera or unplug it from the wall socket while recording images. Doing so will not only make storage of the current image impossible, it can also corrupt other image data already stored in camera memory.

## Operating conditions

- This camera is designed for use in temperatures ranging from 0°C to 40°C.
- Do not use or keep the camera in the following areas.
  - In areas subject to direct sunlight
  - In areas subject to high humidity or dust
  - Near air conditioners, heaters, or other areas subject to temperature extremes
  - Inside of a closed vehicle, especially one parked in the sun
  - In areas subject to strong vibration

## Condensation

- When you bring the camera indoors on a cold day or otherwise expose it to a sudden change of temperature, condensation can form on the exterior of the camera or on internal components. Condensation can cause malfunction of the camera, so you should avoid exposing it to conditions that might cause condensation.
- To keep condensation from forming, place the camera into a plastic bag before moving it into a location that is much warmer or colder than your current location. Leave it in the plastic bag until the air inside the bag has a chance to reach the same temperature as the new location. If condensation does form, remove the batteries from the camera and leave the battery compartment cover open for a few hours.



## About the camera's backlight...

- The camera is equipped with a fluorescent light source to provide the back lighting for its LCD.
- The normal service life of the backlight is approximately six years, when the camera is used for about two hours a day.
- Should the LCD image appear abnormally dark, take the camera to your dealer or an authorized CASIO service provider to have the light source replaced. Note that you will be charged for this replacement.
- Under very cold conditions, the backlight may require more time than normal to light, or reddish bands may appear in the displayed image. These conditions do not indicate malfunction, and normal operation should return at higher temperatures.

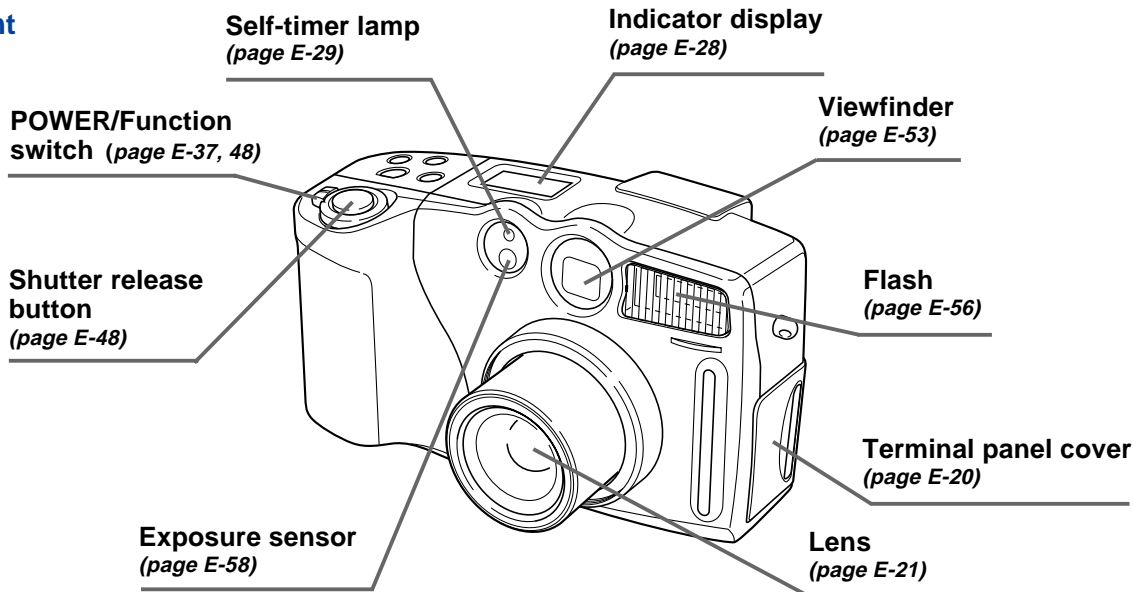
# GETTING ACQUAINTED

This section contains important information you should know when trying to operate the camera.

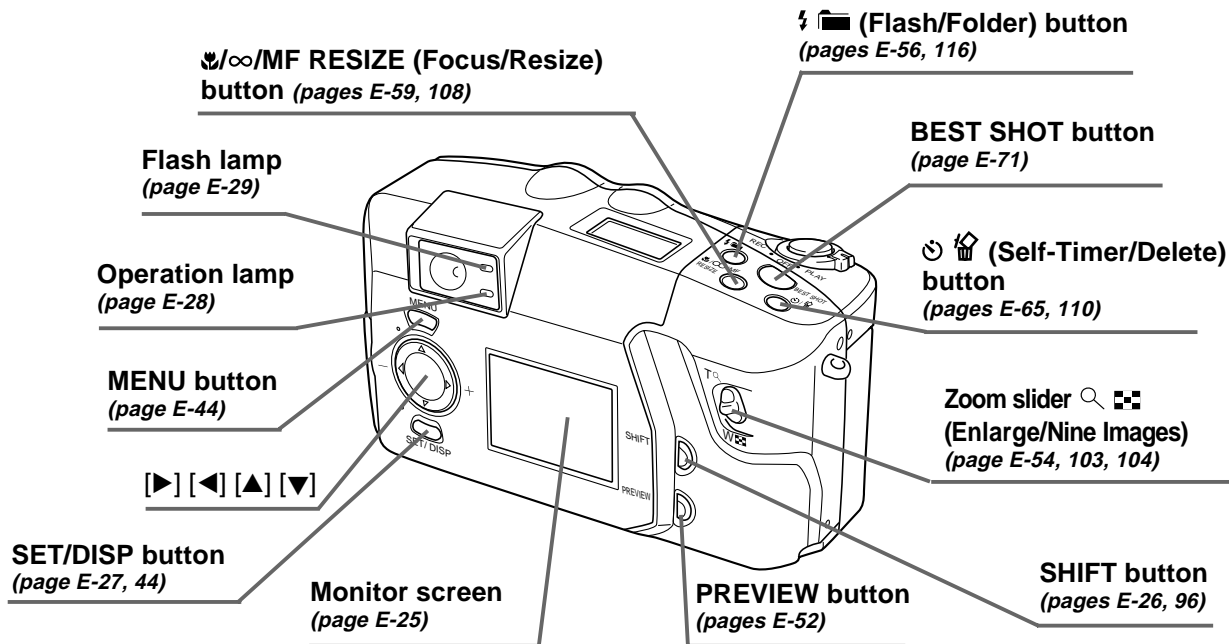
## General Guide

The following illustrations show the names of each component, button, and switch on the camera.

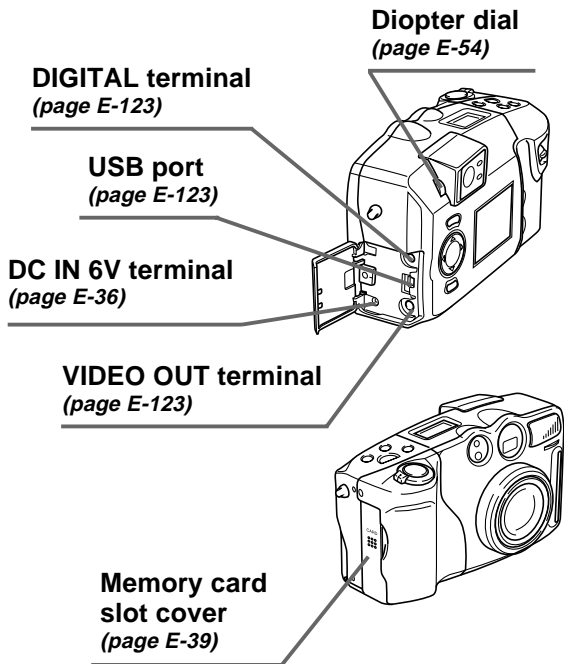
### Front



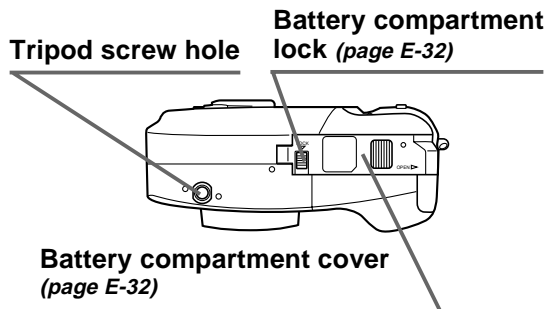
## Back



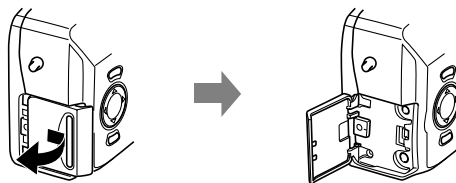
## Side



## Bottom



## Open Terminal Panel Cover



## Lens

Threads are provided in the camera's lens to allow connection of an optionally available Conversion Lens Adaptor (LU-35A). After installing the adaptor, you can use one of the recommended converter lenses, the recommended close-up lens, or an optionally available filter.

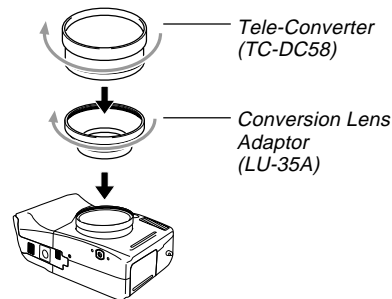
### Installing a Conversion Lens or Close-up Lens

Installing a converter lens lengthens the focal distance for improved telephoto capabilities or shortens the focal distance for wider angle shots. Installing the close-up lens provides macro imaging.

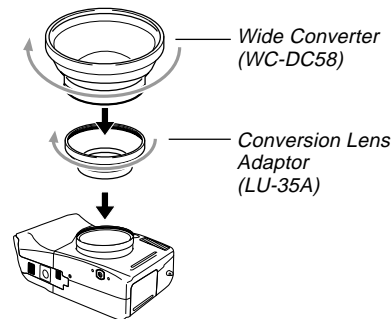
#### IMPORTANT!

- The Canon Inc. converter and close-up lenses listed following are recommended for use with this camera.
- These lenses may not be available in some geographic areas.

- Canon Inc. Tele-Converter TC-DC58  
Focal Distance: Digital camera focal distance x 1.5

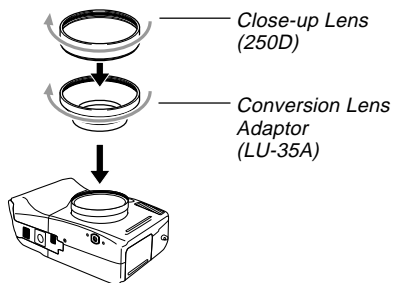


- Canon Inc. Wide Converter WC-DC58  
Focal Distance: Digital camera focal distance x 0.8




- Canon Inc. 58mm Close-up Lens 250D

Focal Distance: In the Macro Mode, 5 cm to 14 cm from the surface of the close up lens to the subject (when zoom is set to maximum wide angle); 7 cm to 14 cm in other modes



- **IMPORTANT!**

- Be sure to use the Conversion Lens Adaptor (LU-35A) whenever you install a conversion lens or 58mm close-up lens. If you don't, the lens will come into contact with the conversion lens or 58mm close-up lens when it extends from the camera, resulting in malfunction.
- Be sure to use the monitor screen to compose images while conversion lens or close-up lens is installed on the camera. Do not use the viewfinder, because its image is not changed by the lens you are using.
- Flash is disabled while a conversion lens or 58mm close-up lens is being used.
- Setting the camera to wide-angle while the tele-converter lens is installed causes shadows around the periphery of the image due to light being block by the frame of the attached lens. Because of this, you should always set the camera to telephoto whenever you are using the tele-converter lens.
- The effects of camera movement are always magnified while the tele-converter lens is being used. Whenever you are using a conversion lens, install the cushion that comes with it and mount the camera on a tripod so it is secure.
- Due to certain characteristics of the wide converter lens, you may notice some slight distortion in images you record with it.
- You should keep the zoom setting at its W limit whenever you are using the wide converter lens.

- When using the close-up lens, make sure to set the focus mode to  (Macro Mode) (page E-59). Proper focus of a close-up image is not possible with any other focus mode.

## Using a Filter

This camera supports use of commercially available 58mm filters.

### IMPORTANT!

- Be sure to use the Conversion Lens Adaptor (LU-35A) whenever you install a filter. If you don't, the lens will come into contact with the filter when it extends from the camera, resulting in malfunction.
- The designs of some filters can cause shadows around the periphery of the image.
- Auto focus and flash may not produce desired results while a filter is on the lens.
- Filters do not produce exactly the same results as those obtained with a film-based camera.
- Do not use multiple filters in combination.
- Use of the flash while a commercially available lens hood is installed may not produce desired results.

## Lens Precautions

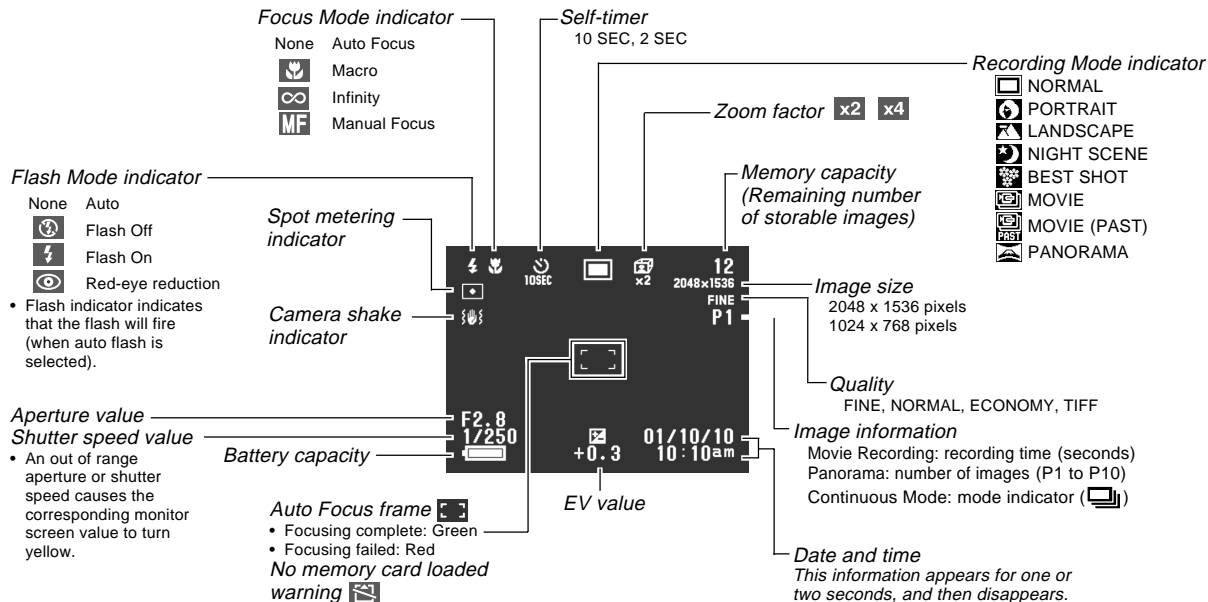
- Fingerprints, dust, or any other soiling of the lens can interfere with proper image recording. Never touch the lens with your fingers. You can remove dust particles from the lens surface by using a lens blower to blow them off. Next, wipe the surface of the lens with a soft lens cloth.
- The lens of this camera extends from its body when you turn on power and retracts when you turn off power. Take care not to subject the lens to undue force or impact, and never set the camera face down so the lens is in contact with a tabletop, etc. Be sure to remove the lens cap before turning on the camera.
- If you align the POWER/Function switch with REC while the lens cap is on the lens, the message "LENS CAP!" appears on the display and camera power turns off automatically. If this happens, remove the lens cap and try again.
- Never remove the camera's batteries or unplug its AC adaptor while the lens is extended. Doing so leaves the lens extended, and creates the risk of lens damage.



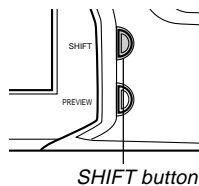
## Monitor Screen Indicators

The following describes the different indicators and markings that appear on the camera's monitor screen.

### REC mode



■ Screen when SHIFT is held down



**Metering Mode indicator**

- (multi)
- (center)
- (spot)

**Exposure Mode indicator**

- (program AE)
- (aperture priority AE)
- (shutter speed priority AE)
- (manual)

**White balance**

- (Auto)
- (Daylight)
- (Shade)
- (Tungsten)
- (Fluorescent)
- (Manual)

The main screen shows the following information:

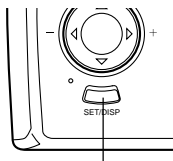
- Aperture: F2.8
- Shutter speed: 1/1000
- Exposure mode: M (Manual)
- Metering mode: Multi
- White balance: AWB (Auto)

PLAY mode

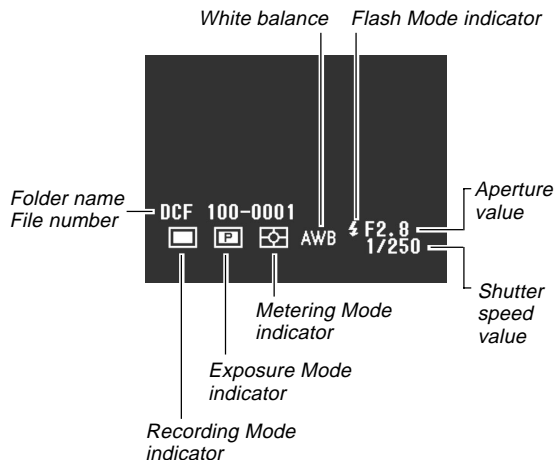
The PLAY mode screen displays the following information:

- Image protection indicator:** A lock icon in the top left corner.
- Folder name:** 100
- File number:** 1
- Image size:** 2048x1536
- Quality:** FINE
- Date and time:** 01/10/10 10:10am
- Battery capacity:** A battery level indicator in the bottom left corner.

## ■ Screen when SET/DISP is pressed



SET/DISP button



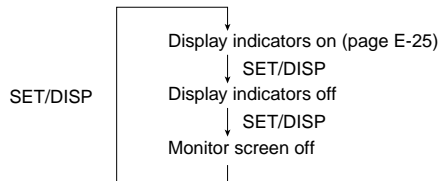
### IMPORTANT!

- The above indicators may not appear when viewing images recorded using a different digital camera model.

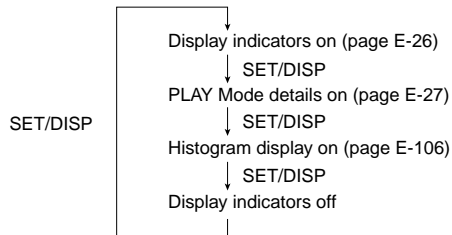
## Changing the Contents of the Monitor Screen

Each press of the SET/DISP button changes the contents of the monitor screen as shown below.

### REC mode



### PLAY mode

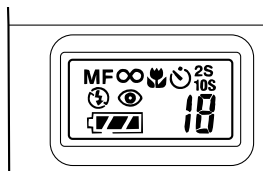


### IMPORTANT!

- The histogram does not appear for movie images (page E-101).

## Indicator display

The indicator display located on the top of the camera also shows various camera status indicators during image recording. The indicator display comes in handy especially when the monitor screen is turned off.

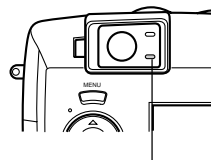


MF	Manual mode indicator		Battery capacity
$\infty$	Infinity indicator		Macro mode indicator
	Flash off indicator		Self-timer time settings
	Flash on indicator	number	Remaining number of images/Image number
	Red eye reduction indicator		

## Operation Indicator Lamp

### Operation lamp

The Operation lamp shows the operational status of the camera as described below.



Operation lamp

### REC mode

Lamp Color	Flashing
Green	One of the following operations is in progress: start up, save (multiple), movie recording (PAST) standby

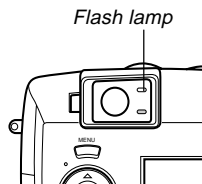
- The camera is ready to record when the lamp is off.

### Partial Shutter Release Button

Lamp Color	On	Flashing
Green	Auto focus operation complete.	Auto focus operation failed.

## Flash lamp

The Flash lamp also lights and flashes during a record operation as described below.



## REC mode

Lamp Color	Flashing
Amber	Flash is charging.

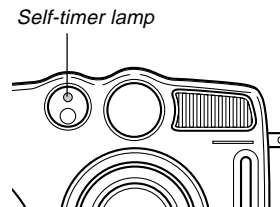
## Partial Shutter Release Button

Lamp Color	On
Amber	Ready to fire.

- When the Operation lamp and Flash lamp are both flashing, an error message appears on the monitor screen, regardless of whether the monitor screen is turned on or off.

## Self-timer lamp

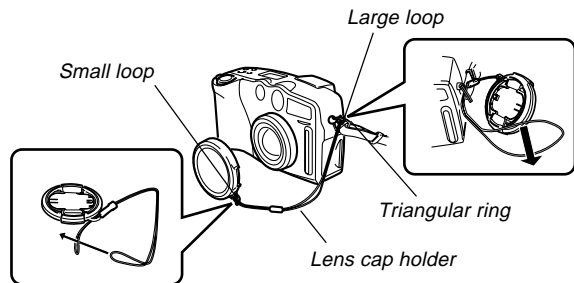
The Self-timer lamp flashes when the self-timer is performing a timer operation prior to releasing the shutter.



## Using the Bundled Accessories

### Using the Lens Cap

Always keep the lens cap on the lens whenever you are not using the camera.



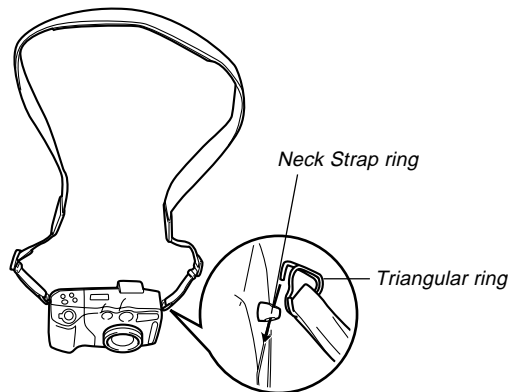
Attach the lens cap holder to the ring. This protects against accidental loss of the lens cap.

### IMPORTANT!

- Be sure to turn off camera power and let the lens retract into the camera before attaching the lens cap.
- Never turn on camera power with the lens cap affixed to the lens.

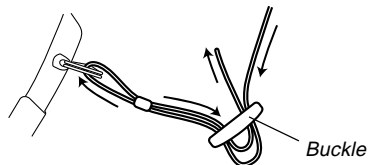
### Attaching the Neck Strap

Attach the strap as shown in the illustration below.



## Adjusting the Length of the Neck Strap

Use the buckle to adjust the length of the neck strap.



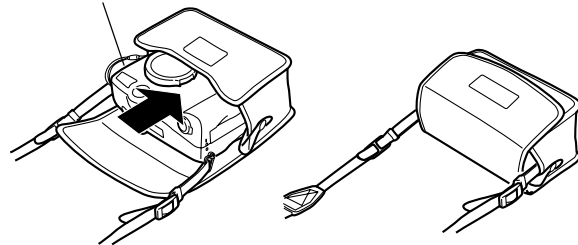
### IMPORTANT!

- Be sure to keep the neck strap around your neck when using the camera to protect against accidentally dropping it.
- The supplied neck strap is intended for use with this camera only. Do not use it for any other application.
- Never swing the camera around by the neck strap.
- Allowing the camera to swing freely from your neck can result in damage to the camera due to its bumping against other objects. It also creates the danger of the camera becoming caught in a door or on other objects, resulting in personal injury.
- Keep the camera out of the reach of small children, especially when the neck strap is attached. The neck strap can accidentally wind around the neck of a child and create the risk of strangulation.

## Using the Soft Case

Keep the camera in its soft case to protect it when not in use.

*Monitor screen facing down.*

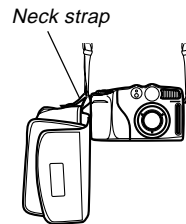


### NOTE

- You can leave the soft case hanging from the neck strap when using the camera.

### IMPORTANT!

- Never put any other object besides the camera into the soft case.



## Power Requirements

Your camera features a two-way power supply that lets you use either AA-size batteries or household AC current. A set of AA-size alkaline batteries is supplied with the camera. The other items listed below are available separately.

### ■ Batteries

- Four AA-size alkaline batteries: LR6
- Four AA-size lithium batteries: FR6
- Four AA-size nickel metal hydride rechargeable batteries: NP-H3

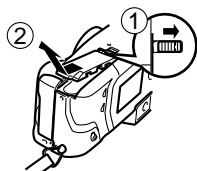
### ■ Household Current

- AC Adaptor: AD-C620
- AC Adaptor/Charger: BC-3HA

## Loading Batteries

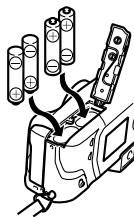
Make sure that camera power is turned off whenever loading or replacing batteries.

1. On the bottom of the camera, slide the battery compartment cover lock towards the back of the camera (①) to unlock the cover.



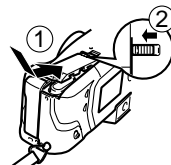
2. Pressing down on the battery compartment cover, slide it towards the side of the camera to release it, and then swing the cover up to open it (②).

3. Load the batteries so their plus (+) and minus (-) ends are facing as shown in the illustration.



4. Swing the battery compartment cover closed and then slide it towards the center of the camera to secure it in place (①).

5. Slide the battery compartment cover lock towards the front of the camera to lock the cover (②).



### IMPORTANT!

- Never use manganese batteries. Use only the battery types specifically mentioned in this User's Guide.



### ● Battery Life Guidelines


The battery life guideline values given below indicate the amount of time at standard temperature (25°C) until power automatically turns off due to battery failure. They do not guarantee that batteries will provide the amount of service indicated. Low temperatures and continued use reduce battery life.

Type of Operation	AA-size Alkaline Batteries LR6	AA-size Lithium Batteries FR6	AA-size Ni-MH Batteries NP-H3
Continuous Playback	145 minutes	270 minutes	170 minutes
Continuous Recording	35 minutes (210 shots)	150 minutes (900 shots)	110 minutes (660 shots)

- The above figures are approximations only.
- The above guidelines are based on the following battery types:  
Alkaline: MX1500 (AA) DURACELL ULTRA  
Lithium: Energizer  
\* Battery life varies with brand.
- Figures are based on continuous recording under the following conditions.  
Flash turned off  
One zoom slider switching between T (Telephoto) and W (Wide-angle)

Recording one image per minute under the above conditions reduces battery life to about one sixth of that noted above. Battery life is greatly affected by how much you use flash, zoom and other functions, and how long you leave power turned on.

### ● Tips for Prolonging Battery Life

- Use the  button to turn off the flash when you are not using it.
- You can also use the power save settings (page E-37) to protect against wasting battery power when you forget to turn off the camera.

### ● Alkaline Battery Life

The actual life of alkaline batteries is affected by a variety of factors, including the battery manufacturer, the amount of time the batteries spend in storage before you use them, temperature while you are recording, and photographic conditions. As a rule, we recommend the use of lithium batteries or Ni-MH batteries, which have longer lives than alkaline batteries.

The following examples show how alkaline battery life changes under different shooting conditions.

Example 1: Intermittent use of the camera shortens battery life.

Conditions

- Temperature: 25°C
- Repeat of a cycle of recording of one shot per minute for 10 minutes, followed by one minute of playback, and a nine minutes of power off (power on, full lens extension, half lens contraction, full lens extension, image recording, power off)
- Flash on

Approximate Battery Life: 35 minutes (32 shots)

Example 2: Low temperatures shorten battery life.

Conditions

- Temperature: 0°C
- Repeat of a cycle of recording of one shot per minute for 10 minutes, followed by one minute of playback, and a nine minutes of power off (power on, full lens extension, half lens contraction, full lens extension, image recording, power off)
- Flash on

Approximate Battery Life: 8 minutes (8 shots)

### ● About rechargeable batteries

Use only the nickel-metal hydride batteries (NP-H3) that are available from your dealer as options for this camera. Proper camera operation is not guaranteed when other rechargeable batteries are used.

AC Adaptor/Charger : BC-3HA

Nickel-metal hydride batteries (4-battery set)/Quick Charger Set : BC-1HB4

Nickel-metal hydride batteries (4-battery set) : NP-H3P4

### IMPORTANT!

- Be sure to keep all four batteries together as a set at all times, for both charging and powering the camera. Mixing batteries from different sets can shorten overall battery life and cause malfunction of the camera.
- Rechargeable batteries cannot be charged while they are loaded in the camera.

## Battery Handling Precautions

Incorrect use or handling of batteries can cause them to leak or burst and create the danger of serious damage to your camera. Be sure to note the following important precautions to avoid problems with batteries.













- Use only LR6 (AM-3) type alkaline or FR6 type lithium or Ni-MH (nickel-metal hydride) dry cell batteries with this camera. Never mix old batteries with new ones. Doing so can result in bursting or leaking of batteries, creating the danger of fire or personal injury.
- Always make sure that the plus (+) and minus (-) ends of the batteries are facing correctly, as noted by the markings on the camera itself. Improper loading of batteries can result in bursting or leaking of batteries, creating the danger of personal injury or soiling of objects nearby.

- Remove batteries from the camera if you do not plan to use it for more than two weeks.
- Never recharge batteries, never allow direct connection between two ends of a battery, and never try to take batteries apart.
- Do not expose batteries to direct heat or dispose of them by burning. Doing so can create the danger of explosion.
- Never mix batteries of different types.

- Dead batteries are susceptible to leakage, which can cause serious damage to your camera. Remove batteries from the camera as soon as you notice they are dead.
- The batteries that power the camera normally become warm as they discharge.

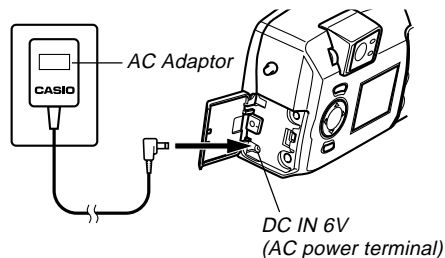
## Low Battery Indicator

The following shows how the battery capacity indicator on the monitor screen and the indicator display changes as battery power is used. Replace all four batteries as soon as possible after they go dead. If you continue to use the camera while the battery level is  or , camera power will automatically turn off.

Battery Capacity	High ←————→ Low
Monitor Screen	 →  →  → 
Indicator Display	 →  →  → 

## Using AC Power

Use the adaptor as shown below to power the camera from a household power outlet.



- AC Adaptor: AD-C620 (Option)
- AC Adaptor/Charger: BC-3HA (Option)  
The BC-3HA functions both as an AC adaptor and as a charger unit for AA-size nickel metal hydride batteries. It comes complete with four rechargeable nickel metal hydride batteries. This AC adaptor/charger unit can be used with any household power outlet rated for 100V to 240V AC.



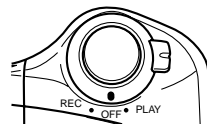
## AC Adaptor precautions

- Never use an electrical outlet whose voltage is outside the rating marked on the AC adaptor. Doing so can create the danger of fire or electrical shock. Use only the optional AC adaptor specified for this camera.
- Do not allow the AC adaptor power cord to become cut or damaged, do not place heavy objects on it, and keep it away from heat. A damaged power cord creates the risk of fire and electrical shock.
- Never try to modify the AC adaptor power cord, or subject it to severe bending, twisting, or pulling. Doing so creates the risk of fire and electrical shock.
- Never touch the AC adaptor while your hands are wet. Doing so creates the risk of electrical shock.
- Do not overload extension cords or wall outlets. Doing so creates the danger of fire and electrical shock.
- Should the cord of the AC adaptor become damaged (exposed internal wiring), request a replacement from an authorized CASIO service provider. A damaged AC adaptor cord creates the danger of fire or electrical shock.

- Be sure to turn off power before connecting or disconnecting the adaptor.
- Always turn camera power off before disconnecting the AC adaptor, even if the camera has batteries installed. If you don't, the camera will turn off automatically when you disconnect the AC adaptor. You also run the risk of damaging the camera whenever you disconnect the AC adaptor without first turning power off.
- The AC adaptor may become warm to the touch after extended periods of use. This is normal and is not cause for alarm.
- After using the camera, turn it off and unplug the adaptor from the AC outlet.
- The camera automatically switches over to AC adaptor powered operation whenever the AC adaptor is plugged into the camera.
- Always use the AC adaptor to power the camera whenever it is connected to a computer.

## Turning the Camera On and Off

Rotate the POWER/Function Switch to turn camera power on and off.



REC : Turns on power and enters the REC mode.

PLAY : Turns on power and enters the PLAY mode.

OFF : Turns off power.

### IMPORTANT!

- Never turn on power while the lens cap is attached to the lens or while the lens is facing downwards.
- To restore camera power after it has been turned off by auto power off, rotate the POWER/Function switch to OFF and then back to REC or PLAY.

## Power Save Settings

The settings described below let you specify sleep and auto power off trigger times that help to conserve valuable battery power.

## AUTO POWER OFF

Auto Power Off turns off camera power if no operation is performed for five minutes in the PLAY mode. In the REC mode, you can specify an Auto Power Off trigger time of two or five minutes.

## SLEEP

The monitor screen enters a sleep state if no operation is performed for a specified amount of time in the REC mode. Pressing any button immediately wakes up the monitor and restores normal operation. You can specify 30 seconds, 1 minute, or 2 minutes before the sleep state is triggered, or you can turn off this setting entirely.

## To power save settings

1. Align the **POWER/Function Switch** with **REC**.
2. Press **MENU**.
3. Use **[▶]**, **[◀]**, **[▼]** and **[▲]** to select **"FUNCTION"**, and then press **SET/DISP**.
4. Use **[▼]** and **[▲]** to select the item whose settings you want to change, and then press **SET/DISP**.
  - To make auto power off settings, select "Auto Power Off".
  - To make sleep settings, select: "Sleep".

## 5. On the screen that appears, use **[▼]** and **[▲]** to make the setting you want, and then press **SET/DISP**.

Auto power off settings: "2 min" "5 min"

Sleep settings: "Off" "30 sec" "1 min" "2 min"

- In the PLAY mode, the Auto Power Off trigger time is fixed at five minutes.
- Sleep is disabled in the PLAY mode.
- Performing any button operation while the monitor is asleep immediately wakes it up and restores normal operation.
- The Auto Power Off setting is given priority if you have "2 min" set for both Sleep and Auto Power Off. This means that the camera turns off if you do not perform any operation for about two minutes in the REC mode.
- Auto Power Off is automatically disabled under any one of the following conditions.
  - While a slideshow is playing
  - When you are performing operations on a computer, printer, or other external device connected to the camera's DIGITAL terminal or USB port.
  - While the AC adaptor is connected to the camera

## Memory Cards

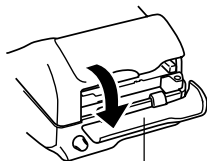
This camera supports use of a CompactFlash memory card (CF TYPE I/II) or IBM microdrive for image storage. Note that all mentions of “memory” card in this manual refer both to a CompactFlash memory card and IBM microdrive, unless specifically noted otherwise.

### IMPORTANT!

- Make sure that the power of the camera is turned off before you insert or remove a memory card.
- When inserting a memory card into the camera, make sure that the card is oriented correctly. Make sure that the correct side of the card is facing up, and that you insert the correct end of the card into the camera.

## Inserting a Memory Card into the Camera

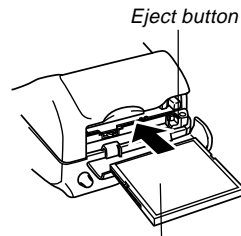
1. Open the memory card slot cover.



Memory card slot cover

2. With the side of the memory card marked with an arrow facing the same direction as the camera's monitor screen, slide it into the slot and push it in as far as it will go.

- If the eject button is extended, press it in before sliding the memory card into the slot.



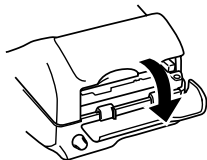
Side marked with arrow should face the same direction as the monitor screen!

3. Close the memory card slot cover.

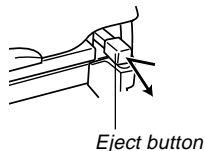


## Removing a Memory Card from the Camera

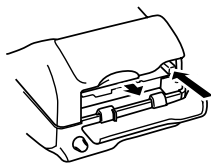
1. Open the memory card slot cover.



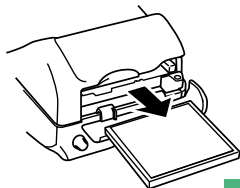
2. Press the eject button so it extends from the camera.



3. Press the eject button once again to eject the card.



4. Remove the memory card.



5. Close the memory card slot cover.



### IMPORTANT!

- Insert only memory cards into the memory card slot. Inserting any other type of card can cause malfunction.
- Should water or any other foreign matter get into the memory card slot, immediately turn off power, unplug the AC adaptor, and contact your original retailer or nearest CASIO Service Provider.
- Never eject the memory card while the card slot is facing downwards. Doing so creates the danger of the memory card falling, which can corrupt data or damage the memory card.
- Never remove the memory card from the camera while the operation lamp or card access lamp is flashing. Doing so can cause loss of recorded images or corruption of memory card data.



## Formatting a Memory Card

You can format a memory card to delete all of the data stored on it.

### IMPORTANT!

- Formatting a memory card deletes all images on the card, even if some or all of the images are protected (page E-116).
- Formatting a memory card deletes all Best Shot Mode scene sample images stored on it. After deleting the card, you have to import the scenes you want to the memory card (page E-74).
- Data deleted by a memory card format operation cannot be recovered! Be sure to carefully check and confirm that you no longer need the data stored in a memory card before formatting it.

1. Align the POWER/Function Switch with REC or PLAY.
2. Select “Format” using one of the following two key operations, and then press SET/DISP.

If you are here	Select this on the menu screen
REC mode	“FUNCTION” → “SET UP” → “Format”
PLAY mode	“SET UP” → “Format”

- Use [▼] and [▲] to select each menu item, and press SET/DISP to advance to the next menu.

3. In response to the confirmation message that appears, use [▼] and [▲] to select “Yes” to format or “No” to exit, and then press SET/DISP.

## Memory Card Precautions

- Images cannot be recorded with this camera unless a memory card is installed in it.
- Be sure to use only CASIO brand CompactFlash cards. Proper operation with other memory cards is not guaranteed.
- Static electricity, electrical noise, and other electrical phenomena can cause corruption or even total loss of the data stored on a memory card. Because of this, you should always make backup copies of important images on other media (magnetic optical disk, floppy diskette, computer hard disk, etc.).
- Memory card problems can be corrected by reformatting the memory card. Reformatting a memory card deletes all images stored on the card, but you can use a computer to copy the images you want to keep to the computer's hard disk before reformatting your card. If you plan to be recording images where you do not have access to a computer, it is a good idea to take along an extra memory card or two just in case you experience an unexpected memory card problem.

- Formatting is recommended for any memory card that you suspect contains corrupted image data (due to a RECORD ERROR, strange image colors, malformed images) or for newly purchased memory cards.
- Before starting a format operation, load a full set of new batteries (alkaline or lithium) into the camera or connect the AC adaptor to power the camera. Interruption of camera power during the format operation results in improper formatting, making it impossible to use the memory card.

## IBM Microdrive Precautions

Compatibility of the camera with the IBM microdrive has been confirmed by CASIO. However, you should note the following important points whenever using the IBM microdrive.

- Be sure to carefully read all of the documentation that comes with the microdrive before using it.
- Note that the microdrive becomes hot during normal use. Take care when removing it from the camera.
- Take care to avoid strong pressure on the label side of the microdrive when it is removed from the camera. Strong pressure can damage internal components and cause malfunction.

- Never turn off camera power or subject the camera to impact while the card access lamp is flashing. Doing so can cause malfunction of the microdrive.
- The microdrive is a very high precision device. Dropping the camera can result in malfunction of the microdrive, even though the camera is undamaged. Take extra care when handling the camera while the microdrive is installed.
- The microdrive has very large storage capacity. Because of this, certain operations can take a relatively long time to perform.
- The microdrive may not operate properly in areas where barometric pressure is low. Because of this, you should avoid using it at high altitudes.
- A microdrive consumes much more electrical power than a CompactFlash card. Depending on how a microdrive is used, it can greatly reduce battery life. When using alkaline batteries, certain operating conditions and certain battery brands can result in batteries going dead right after you install new ones. Whenever using a microdrive, we recommend that you use rechargeable nickel metal hydride batteries or lithium batteries to power the camera.
- When battery power is low, the amount of time required between shots may become longer. This longer interval is designed to protect the microdrive.

### **In case of microdrive malfunction....**

- Contact your original microdrive retailer or the contact point noted in the microdrive documentation.
- CASIO does not provide any servicing or maintenance support for the microdrive.
- Note that CASIO assumes no responsibility for any data loss you may suffer while using the microdrive.
- This camera supports use of both a CompactFlash card and the microdrive. Note, however, that ejecting a microdrive from the camera is relatively more difficult than ejecting a CompactFlash card.

## Menu Screens

Pressing MENU displays the menu screen. The contents of the menu screen depend on whether you are in the PLAY mode or REC mode. The following procedure shows the operation in the REC mode as an example.

### 1. Align the POWER/Function Switch with REC.

- To perform a menu operation in the PLAY mode, align the POWER/Function Switch with PLAY.

### 2. Press MENU.

### 3. Use [▶],[◀],[▼] and [▲] to select the item you want, and then press SET/DISP.

- Make settings in accordance with the guidance messages that appear on the monitor screen.

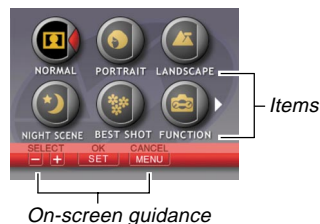
[▶] [◀] [▼] [▲]: Item selection, page scrolling

SET/DISP: Applies displayed setting

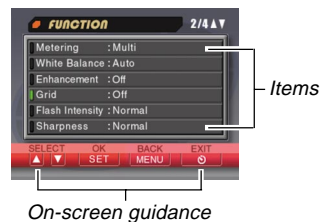
MENU: Returns to previous screen

## Example Displays

REC mode, page 1



REC mode FUNCTION menu, page 2



- Pressing the button is sometimes required to exit certain setting screens.
- See the “Camera Menus” on page E-140 for more information about menu contents.

## Setting the Current Date and Time

Use the following procedures to set the current date and time, and to select the date format.

When you record an image, the time and date the image was shot is registered in accordance with data from the camera's built-in clock. You can even use the time stamp function to "stamp" the date and time inside the image.

### IMPORTANT!

- The time and date settings are cleared if the camera is left for about 24 hours without battery and AC power being supplied. If this happens, restore power and make new time and date settings before using the camera again.
- A flashing time display indicates that the time and date (clock) settings have been cleared. Use the procedure on this page to make the correct time and date settings.
- If you do not set the camera's built-in clock to the current date and time, all images are recorded with the default date and time, which probably is not your correct current date and time. Be sure to correctly set the clock before you use the camera.

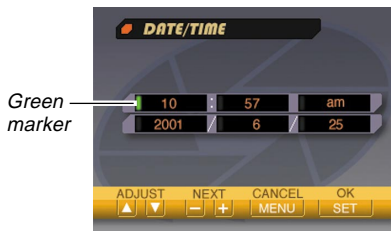
## Setting the Date and Time

1. Align the **POWER/Function Switch** with **REC** or **PLAY**.
2. Press **MENU**.
3. Select "Date/Time" using one of the following two key operations, and then press **SET/DISP**.

If you are here	Select this on the menu screen
REC mode	"FUNCTION" → "SET UP" → "Date/Time"
PLAY mode	"SET UP" → "Date/Time"

- Use **[▶]**, **[◀]**, **[▼]** and **[▲]** to select each menu item, and press **SET/DISP** to advance to the next menu.

4. Select and change the digits on the screen to set the current date and time.



[◀] / [▶]: Moves the green marker.

[▼] / [▲]: Increases and decreases the currently selected digit.

5. Press SET/DISP to apply your settings.
6. Press to exit this setting screen.

## Selecting the Date Format

You can use the following procedure to select one of the three different date formats.

1. Align the POWER/Function Switch with REC or PLAY.
2. Press MENU.
3. Select “Date Style” using one of the following two key operations, and then press SET/DISP.

If you are here	Select this on the menu screen
REC mode	“FUNCTION” → “SET UP” → “Date Style”
PLAY mode	“SET UP” → “Date Style”

- Use [▶], [◀], [▼] and [▲] to select each menu item, and press SET/DISP to advance to the next menu.
4. Use [▼] and [▲] to select the setting you want to use, and then press SET/DISP to apply it.  
Example: October 18, 2001  
  
Year/Month/Day: 01/10/18  
Day/Month/Year: 18/10/01  
Month/Day/Year: 10/18/01
  5. Press to exit this setting screen.

## Time Stamp

When it is turned on, the time stamp function digitally stamps the recording date and time in the lower right corner of each image as it is recorded. Note that once an image is stamped, the date and time cannot be deleted.



1. Align the POWER/Function Switch with REC.
2. Press MENU.
3. Select “FUNCTION” → “Time Stamp”, and then press SET/DISP.

4. Use [▼] and [▲] to select the setting you want, and then press SET/DISP to apply it.

Example:

Date: October 18, 2001

Time: 1:25pm

Off : No time stamping

2001/10/18 : Year/Month/Day

18 1:25pm : Day Hour:Minutes

2001/10/18 1:25pm : Year/Month/Day Hour:Minutes