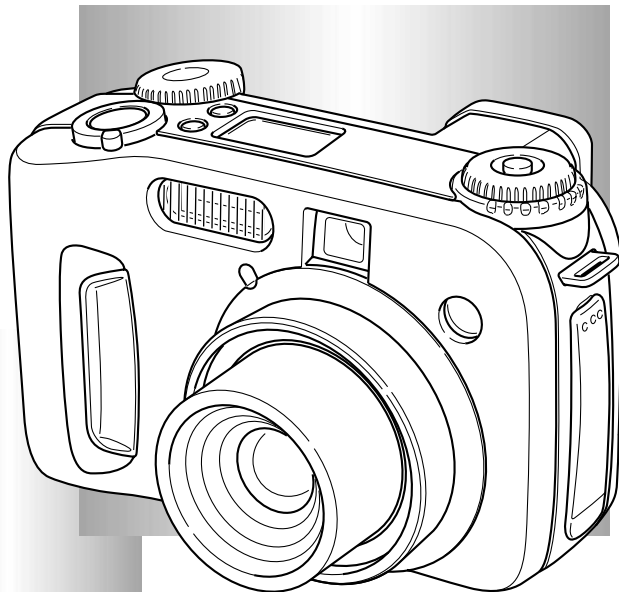


LCD Digital Camera

QV-4000

User's Guide



Congratulations upon your selection of the new CASIO Digital Camera. 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.

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CASIO®

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INTRODUCTION

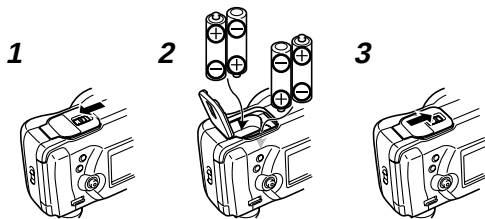
Quick Reference

Getting Ready

1

Load batteries.

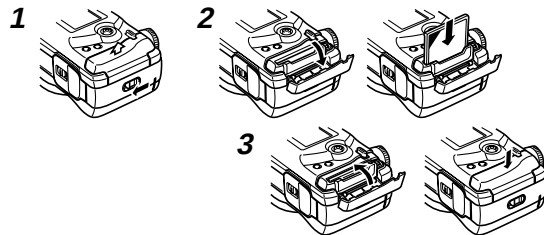
(page E-29)



2

Insert the memory card.

(page E-37)



3

Set the current time and date.

(page E-43)

Recording an Image (page E-45)

1

Remove the lens cap from the lens.

2

Align the exposure mode dial with **A** (Full Auto Mode).

3

Align the drive mode dial with  (1-Image).

5

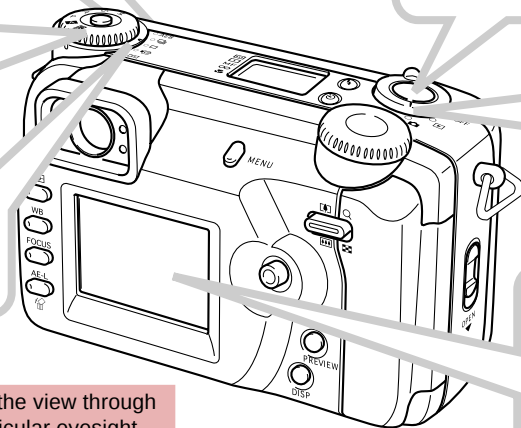
Point the camera at the subject, compose the image on the monitor screen, and press the shutter release button half way to focus the image.

4

Align the power/function switch with .

6

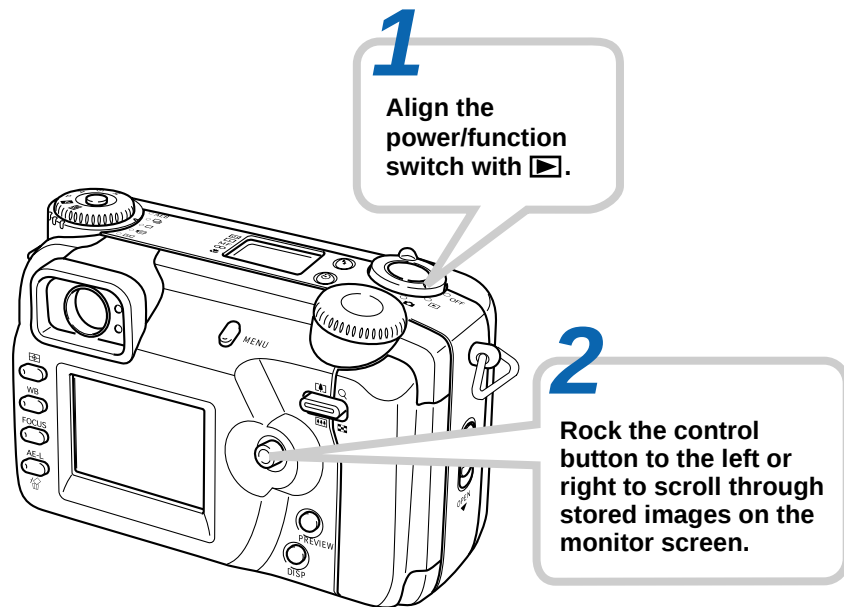
After confirming that the Auto Focus operation is complete (the operation lamp lights green), press the shutter release button all the way down to record the image.



Use the Diopter Dial to adjust the view through the viewfinder to suit your particular eyesight. (page E-51)

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Viewing (Playing Back) an Image (page E-109)



Deleting an Image (page E-119)

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 AE-L .

1

Align the power/function switch with .

2

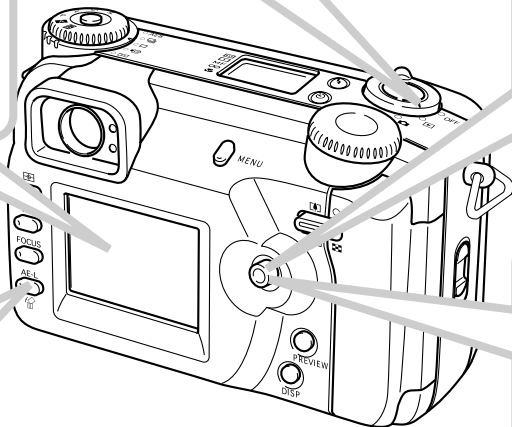
Rock the control button to the left or right to scroll through stored images and display the one you want to delete.

3

Press AE-L .

5

Rock the control button down to select “Yes” and then click the control 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-4000.
- 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.
- *Windows and Internet Explorer are registered trademarks of Microsoft Corporation.*
- *Macintosh is a registered trademark of Apple Computer, Inc.*
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Features

- Never open the battery compartment cover, disconnect the AC adaptor from the camera or unplug it from the wall.
- Higher resolution 4.13-megapixel CCD so will not only make Record images that capture everything, from delicate skin to the nuances of all the fine detail of natural scenery.
- Canon F2.0 wide-aperture lens
Provides high contrast and captures the most delicate of nuances.
- World's first digital soft focus
Creates stunning effects for portraits and floral shots.
- Real-time histogram
Quickly and easily obtains exactly the exposure you want, even under difficult lighting conditions.
- Easy-to-understand control panel
Aperture, shutter speed, focus and other settings can be seen at a glance, even when the monitor screen is turned off.
- Dual dial operation
A pair of dials helps to make drive mode and exposure mode settings quick and easy.
- AF assist light
Improves auto focus accuracy when shooting under dim lighting.
- Multi-area AF
Helps to prevent out-of-focus areas in an image.

- Focus area expansion
Makes it easier achieve the focus you want.
- This camera is designed for use in temperatures ranging from 0 to 40 C.
- Image preview
Provides instant preview of an image you just recorded.
- Do not use or keep the camera in the following areas:
 - 1.8-inch TFT color LCD (HAST) monitor screen
 - In areas subject to high humidity or dust
 - 9.6X seamless digital zoom
 - Near air conditioners, heaters, or other areas subject to temperature extremes
- External flash connectability
Inside of a closed vehicle, especially one parked in the sun
- Memory card image storage
Near areas subject to strong vibration
- Supports CompactFlash cards (CF TYPE I/II) and the IBM Microdrive.

Condensation

- 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.
- 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.

LCIF Data Storage

LCIF (Design rule for Camera File System) data storage protocol provides image inter-compatibility with printers and other digital cameras.

You can remove dust particles from the lens with a soft cloth. Follow the following instructions and precautions to prevent the lens from becoming scratched or damaged.

Use compatibility camera After this camera is connected to your computer, you can transfer image data to the CASIO QV-4000 Digital Camera.

Image management and manipulation software The QV-4000 comes bundled with a CD-ROM that's packed with user software. Other camera manufacturers' images to your computer. PhotoMinds™ for editing and printing images, and Panorama Editor for stitching images into panoramas. Other bundled CASIO service Windows version only.

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.

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INTRODUCTION

- 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.
- The camera is equipped with a fluorescent light source to provide the back lighting for an LCD.
- The normal service life of the backlight is approximately six years, when the camera is used for about two hours a day.
- Should you ever notice smoke or a strange odor coming out of the camera, immediately turn power off and unplug the camera to your dealer or an authorized CASIO service provider to have conditions checked and 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.
- 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 aircraft 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.

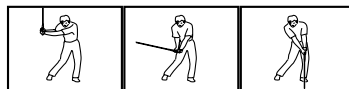
Recording Features

Best Shot Mode



page E-76

Movie Mode



page E-93

Auto Exposure Bracketing (AEB)

Automatically records multiple images at different exposure settings.



page E-89

Panorama Mode

Stitches multiple images into a sweeping panorama.



page E-91

Five focus modes

Multi-area AF, Spot AF, Manual, Infinity, Macro

page E-62 to E-65

Three metering modes

Multi-pattern, Center-weighted, Spot

page E-68

Five exposure modes

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

page E-82 to E-87

LCIF Data Storage

LCIF (Design rule for Camera File System) data storage protocol provides image inter-compatibility with printers and other digital cameras.

You can remove dust particles from the lens with a soft cloth. Follow the following instructions as a precaution to prevent scratches on the lens or the LCD screen. Next, wipe the LCD screen for the LCD screen viewing of images.

Use compatibility camera After this camera is connected to your computer, you can transfer image data to the CASIO QV-4000 Digital Camera. 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 table or other surface.

Image management and manipulation software The QV-4000 comes bundled with a CD-ROM that's packed with user software. Other camera manufacturers' images to your computer. PhotoMinds™ for editing and pinning images, and Panorama Editor for stitching images into panoramas. Other bundled CASIO service Windows version only.

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.

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INTRODUCTION

- 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.
- The normal service life of the backlight is approximately six years, when the camera is used for about two hours a day.
- Should you ever notice smoke or a strange odor coming out of the camera, immediately turn power off and unplug the camera 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 or repair. These conditions do not indicate malfunction, and normal operation should return at higher temperatures.
- 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 aircraft 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

- Canon F2.0 wide-aperture lens
Provides high contrast and captures the most delicate of nuances.
- World's first digital soft focus
Creates stunning effects for portraits and floral shots.
- Real-time histogram
Quickly and easily obtains exactly the exposure you want, even under difficult lighting conditions.
- Easy-to-understand control panel
Aperture, shutter speed, focus and other settings can be seen at a glance, even when the monitor screen is turned off.
- Dual dial operation
A pair of dials helps to make drive mode and exposure mode settings quick and easy.
- AF assist light
Improves auto focus accuracy when shooting under dim lighting.
- Multi-area AF
Helps to prevent out-of-focus areas in an image.

- Focus area expansion
- Makes it easier achieve the focus you want.
- This camera is designed for use in temperatures ranging from -30°C to 40°C.
- Image preview
- Provides instant preview of an image you just recorded. Do not use the preview camera image showing areas.
- 1.8 inch TFT color LCD (HAST) monitor screen
- In areas subject to high humidity or dust
- 9.6X seamless digital zoom
- Near all conditions, heaters, or other areas subject to temperature extremes
- 3X digital zoom, 3.2X digital zoom
- Inside of a closed vehicle, especially one parked in the sun
- External flash connectivity
- Memory card image storage
- In areas subject to strong vibration
- Supports CompactFlash cards (CF TYPE I/II) and the IBM Microdrive.

Condensation

- 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.
- **PRINT Image Matching Support**
- Images include PRINT Image Matching data (mode setting and other camera setup information). A printer that supports PRINT Image Matching reads this data and adjusts the image color and brightness to the actual conditions of the plastic bag until the air inside the bag has a chance to reach the same temperature as the new location.

LCIF Data Storage

- LCF (Design rule for Camera File System) data storage protocol provides image inter-compatibility with printers and other digital cameras.

• You can remove dust particles from the lens with a soft cloth. Follow the following instructions and precautions to convert to battery or screen viewing of images.

Use compatibility camera After this camera is connected to your computer, you can transfer images to the CASIO QV-4000 Digital Camera.

- **Never** to take pictures or use the built-in display while never set the camera face down so the lens is in contact with a rough surface. Be sure to remove the lens cap before turning on the camera.
- **Image management and manipulation software** The QV-4000 comes bundled with a CD-ROM that's packed with user software. Other camera manufacturers' images to your computer. Photographs for editing and printing images, and Panorama Editor for stitching images into panoramas. Other bundled.
- **Windows version only.**

- **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.

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INTRODUCTION

- 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.
- The normal service life of the backlight is approximately six years, when the camera is used for about two hours a day.
- Should you ever notice smoke or a strange odor coming out of the camera, immediately turn power off and unplug the camera to your dealer or an authorized CASIO service provider to have conditions 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.
- 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 aircraft 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.

Setting the time

Use the following procedures to set the camera's internal clock time, and to check the date and time.

When you fully charge the camera, the camera's internal clock is set to the date and time when the camera was first registered in accordance with data from the camera's OS built-in clock. You can even use the time stamp function to stamp the date and time in the lower right corner of the image (page E-10).

IMPORTANT

✦ **Shutter release button** (page E-44)
The camera's internal clock is cleared if the camera is left without a battery and AC power for 24 hours. If this happens, restore power and make new time and date settings before the camera is used again.

✦ **Power function switch** (pages E-35, 48)
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 date and time settings.

✦ If you do not set the camera's built-in clock to the current date and time, all image files recorded with the camera will have the default date and time, which may not be the correct current date and time. Be sure to correctly set the clock before you use the camera.

Exposure sensor
(page E-60)

Internal clock
(page E-2)

Viewfinder
(page E-4)

Assist. light
Self-timer lamp
(page E-26)

Terminal part cover
(page E-1)

Lens
(page E-16)

Setting the time

Use the following procedures to set the camera's internal clock time, and to check the date and time.

When you fully charge the camera, the camera's internal clock is reset to the factory default. When the camera is powered on, the camera's internal clock is reset to the factory default. When the camera is powered on, the camera's internal clock is reset to the factory default. When the camera is powered on, the camera's internal clock is reset to the factory default.

IMPORTANT

✦ The camera's internal clock is reset to the factory default if the camera is not used for 24 hours without battery and AC power being connected. If this happens, the camera's internal clock is reset to the factory default. If this happens, the camera's internal clock is reset to the factory default.

✦ A flashing time display indicates that the time and date (clock settings) have been cleared. Use the procedure on page E-35 to make the correct time and date settings.

✦ If you do not set the camera's internal clock to the correct date and time, all image files recorded with the camera will have the default date and time. This may affect your ability to sort current date and time. Be sure to correctly set the clock before you use the camera.

Exposure sensor
(page E-60)

Internal clock
(page E-2)

Viewfinder
(page E-1)

Access light
Self-timer lamp
(page E-26)

Terminal panel cover
(page E-1)

Lens
(page E-16)

The battery life guideline values given below indicate the time the unit can operate at 25°C and 50% brightness. The actual operating time may vary depending on the ambient temperature and the brightness of the LCD. The unit does not guarantee that the batteries will provide the amount of service

Flash charge lamp

(page E-26)

guarantee that

REC mode

Friends of the Internet Library

Type of Operation	Continuous Playback	Multi-area Auto Focus	Continuous Shooting
AA-size Alkaline Batteries LR6	320 minutes	320 minutes	320 minutes (40 shots)
AA-size Lithium Batteries FR6	320 minutes	320 minutes	320 minutes (40 shots)
AA-size (Metering Mode) Lithium Batteries NP-H3	320 minutes	320 minutes	320 minutes (40 shots)

- The above values are approximations only
- The above guidelines are based on the following battery type: **WB (White balance)**

WB (White balance)

button (page F-69)

Amplitude value Energizer
Battery speed value with brand.

FOCUS (Focus Mode)

button (page E-61)
Flash turned off

One switch between telephoto and wide-angle with the

AE-L  (AE Lock/Delete) 

button (pages E-55, 71, 119)

No memory card alert

Monitor Screen Indicators

MENU

(page E-42)

Self-timer turned on

10 SEC, 2 SEC

- Recording one image per minute under the above con-

conditions reduces battery life to about one sixth of that
 expected for the Active Matrix monitor (see Table E-1) page E-89

⏻ (Self-Timer) button

1-image recording	page E-54
-------------------	-----------

Movie recording	page E-93
-----------------	-----------

■ Tips for Prolonging (Flash) Button

Use of this document is limited to the specific project and purpose for which it was prepared. It is not to be used for any other purpose without the express written consent of the project manager.

E-55) 1-Image **S** S Mode: Shutter Priority AE

You can also use the power save settings (page E-35) as

Zoom controller

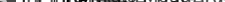
(Enlarge/Nine Images)

... (pages 70, 75, 112, 113) ... to turn ...

the more I've seen.

Memory capacity E-84

The actual life of alkaline batteries is affected by a variety of



Control button

time the batteries spend in storage before you use them.

temperature while you are recording, and photographic con-

ditions. As a rule, we recommend the use of lithium batteries

or Ni-MH batteries, which have longer lives than alkaline bat-

series. (page E-54)

Image information

- Movie Recording: recording time (seconds)

DISP button

Date and time: **DISC button**
 (page F-24)

- Today's date appears for about two seconds.

about two seconds.

Battery Life Guidelines

The battery life guideline values given below indicate the time the following describes the difference in cost and the way automatically turns off the battery failure. They do not guarantee the amount of (page E-26)

Flash charge lamp

(page E-26)

guarantee that

Free use of data not intended for sale.

Type of Operation	Continuous Playback	Multi-area Auto Focus	Continuous Spot Auto Focus	Continuous Spot Auto Focusing
AA-size Alkaline Batteries Live View	170 minutes	320 minutes	320 minutes	320 minutes (640 shots)
AA-size Lithium Batteries FR6	320 minutes	320 minutes	320 minutes	320 minutes (640 shots)
AA-size (Metering Mode) Batteries NP-H3	320 minutes	320 minutes	320 minutes	320 minutes (640 shots)

- The above values are approximations
- The above guidelines are based on the following battery type:

WB (White balance)

button (page F-69)

porture value

Batter speed varies with brand.

- **FOCUS (Focus Mode)** is distracting under the following conditions:
 - Aperture or Shutter speed causes the corresponding red off

One switch between telephoto and wide-angle with the

AE-L (AE Lock/Delete)

button (*pages E-55, 71, 119*)

Monitor Screen Indicators

MENU but on
(page E-42)

D-Recording one image per minute under the above con-

⑤ (Self-Timer) button

Tips for Prolonging (Flash) button

Use 4 to turn off the (page E-55) you are not using it (page

1-Image **S** S Mode: Shutter Priority AE

Zoom controller

(Enlarge/Nine Images)

1. **Power Manual Exp.** 75-112-113
 2. **Power Manual Exp.** 75-112-113

on the monitor screen. **BEST SHOT** (only AE) page E-85

Mode (Aperture Priority AE) *Memory capacity* page E-84

Alkaline Battery Life (Remaining number of hours of operation at 100% battery size) (Remaining number of hours of operation at 100% battery size)

the actual life of alkaline batteries is affected by a variety of

Factors, including the battery manufacturer, the amount of	Page 8 of 10
--	--------------

Best Shutter Speed 1/60 pixels page E-76

temperature while you are recording, and photographic conditions. As a rule, we recommend the use of lithium batteries

PREVIEW button

(page E-54)

Image information

- Movie Recording: recording time (seconds)

DISP button

• Today's date appears for

about two seconds.

If you want to do this:	Do this:
1. If you want to do this:	Do this:
2. Press MENU to enter the menu.	Press MENU to enter the menu.
3. Press ENTER to select the menu item.	Press ENTER to select the menu item.
4. Press ENTER to select the menu item.	Press ENTER to select the menu item.
5. Press ENTER to select the menu item.	Press ENTER to select the menu item.
6. Press ENTER to select the menu item.	Press ENTER to select the menu item.

Should the second of the AC adaptor become

- the indicator is lit up

Sleep settings: 00:00:00

4. Remove the memory card and AC adaptor.

6. Press **MENU** to enter the setting menu.

Small loop

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If you want to do this:	Do this:
1. If you want to do this:	Do this:
2. Press MENU to enter the menu.	Press MENU to enter the menu.
3. Press ENTER to select the menu item.	Press ENTER to select the menu item.
4. Press ENTER to select the menu item.	Press ENTER to select the menu item.
5. Press ENTER to select the menu item.	Press ENTER to select the menu item.
6. Press ENTER to select the menu item.	Press ENTER to select the menu item.

Should the second of the AC adaptor become

- the indicator is lit up

Sleep settings: 00:00:00

4. Remove the memory card and AC adaptor.

6. Press **MENU** to enter the setting menu.

Small loop

Battery Life Guidelines

The battery life guideline values given below indicate the approximate number of shots that can be taken under the following conditions:

• The battery life guideline values are given for AA-size alkaline batteries. They are not automatically units of full battery life. They only guarantee that the batteries will provide the amount of service indicated. Low temperatures reduce battery life.

Type of Operation	Continuous Playback	Continuous Recording
AA-size Alkaline Batteries LR6	170 minutes (90 shots)	90 minutes (50 shots)
AA-size Lithium Batteries FR6	320 minutes (180 shots)	160 minutes (90 shots)
AA-size Lithium Batteries NP-H3	320 minutes (180 shots)	160 minutes (90 shots)

- The above values are approximations only.
- The above guidelines are based on the following battery types:
 - Duracell Ultra
 - Energizer

• Battery life varies with brand.

- Viewfinder brightness is affected by a variety of factors, including the battery manufacturer, the type of battery, the size of the battery, the temperature when you are recording, and photographic conditions. As a rule, we recommend the use of lithium batteries or Ni-MH batteries, which have longer life than alkaline batteries.

• The actual life of alkaline batteries is affected by a variety of factors, including the battery manufacturer, the type of battery, the size of the battery, the temperature when you are recording, and photographic conditions. As a rule, we recommend the use of lithium batteries or Ni-MH batteries, which have longer life than alkaline batteries.

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Monitor Screen Indicators

The following describes the different indicators that appear on the monitor screen (EB).

• The battery life guideline values are given for AA-size alkaline batteries. They are not automatically units of full battery life. They only guarantee that the batteries will provide the amount of service indicated. Low temperatures reduce battery life.

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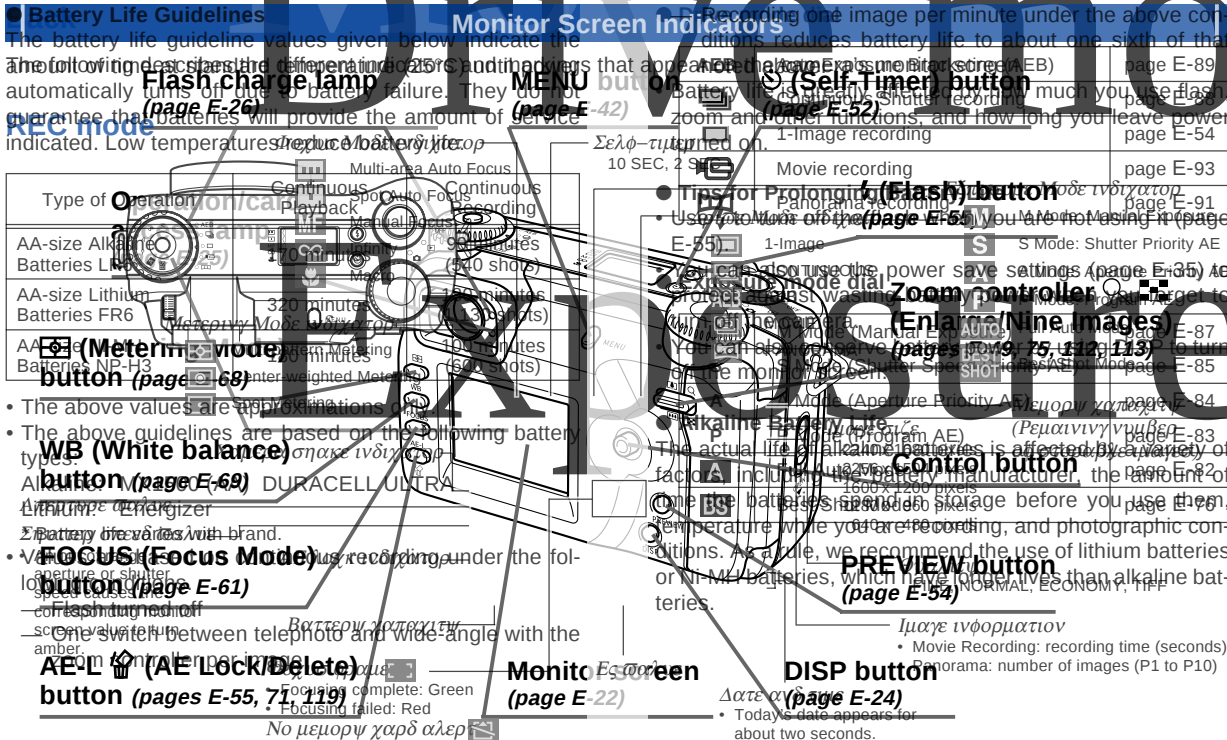
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changes under different shooting conditions.

FOR THE LAST SEVERAL YEARS, I HAVE BEEN IMPRESSED BY THE WAY YOU
AND YOUR COMPANY HAVE BEEN WORKING TO MAKE SURE THAT THE
FOLLOWING INFORMATION IS AVAILABLE TO ALL OF OUR CUSTOMERS AND
STAKEHOLDERS. IT IS A PLEASURE TO SEE THAT YOU HAVE TAKEN THE
TIME TO PROVIDE US WITH THE FOLLOWING INFORMATION. IT IS A PLEASURE
TO SEE THAT YOU HAVE TAKEN THE TIME TO PROVIDE US WITH THE
FOLLOWING INFORMATION. IT IS A PLEASURE TO SEE THAT YOU HAVE
TAKEN THE TIME TO PROVIDE US WITH THE FOLLOWING INFORMATION.

comes with the Nikon D5000, I've been using a large-capacity battery

IMPORTANT: Some or all of the images are protected by copyright. The microdrive becomes read-only and cannot be overwritten. (See page E-125)

on is used to select menu items and execute

restored on the island. Operations starting in the early 1990s have

Display memory card (page E-7)       

Carding Detectives

4- Press the **ENTER** key to confirm the data.

Coordinating the carping like a computer mouse of the Microdrive,

On the left side of the camera, there is a small button for the shutter release. The button is located on the left side of the camera, and it is used to take a picture. The button is located on the left side of the camera, and it is used to take a picture.

Paragon

diffraction indicated by the Δ in the figure.

• The voltage we obtain from the battery drops in areas where
 bending the glass forces some because of this, you should

Approximate Battery Life: 8 minutes (8 shots) *Memory*

Approximate Battery Life: 8 minutes (6 shots)

Card Slot cover lock

card slot cover

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E-29

Memory Cards

For a full history of the war, see *War and Society in the Twentieth Century* by John Keegan, 1990, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 266

IMPORTANT

comes with the Nikon D5000, we're using a rechargeable battery.

IMPORTANT

Lower are the terms used in this manner to

► **Pressure gas**

- **Never** insert a memory card into the camera. Trying to force a card into the memory card (page 47).
- **Never** insert a memory card into the camera to subject the camera to im-

Log On

IMPORTANT! Please do not sign or write on the card. Do not use the card for anything other than the purpose for which it was issued. Do not use the card for anything other than the purpose for which it was issued.

Private Medicine

the data is captured like a computer mouse of the Microdrive, the 3.5-inch floppy disk and the 5.25-inch floppy disk.

Journal of Management Education

Patients can receive the sample release at the back

of this year

• The **muscle fiber** is a **cell** that contracts to produce force in areas where

hardwired

compartment cover.
available at high altitudes
reducing the risk of operation failure
Approx. 1.5m x 0.5m x 0.3m (5ft x 1.5ft x 1ft)
Memory

~~Approximate~~

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E-29

Downloaded from ManualsCamera.com Manuals

changes under different shooting conditions.

THEY'VE TAKEN THESE STEPS TO PROTECT THE ENVIRONMENT AND THE PEOPLE WHO LIVE AND WORK IN THE AREA. THE COMPANY HAS TAKEN THE FOLLOWING STEPS TO PROTECT THE ENVIRONMENT AND THE PEOPLE WHO LIVE AND WORK IN THE AREA:

IMPORTANT

comes with the Nikon D5000, I've been using a large-capacity battery

IMPORTANT

on is used to select menu items and execute

Lower are the terms used in this manner to

[illegible]

- New Nikon cameras can't take images at the camera.

IMPORTANT down left corner

[illegible]

the data is as simple as a computer mouse. The Microdrive, a 5.25-inch floppy disk, is the size of a credit card and can hold up to 100 MB of data. It's the only portable storage device that can be used in a laptop computer.

Y. On the motion of the camera, the time interval between two consecutive frames is denoted by Δt , and the time interval between two consecutive frames is denoted by Δt . The time interval between two consecutive frames is denoted by Δt .

Part of the reason for the shorter release is that the film is more of a documentary than the take-yourself-out-of-the-back-of-the-seat-and-join-the-chorus-of-people-who-are-against-the-war type of movie.

- The **excitation-contraction** and **relaxation** processes in areas where perfusion is indicated by **red** and **blue** arrows

Because of this, you should avoid ashtrays at high altitudes.

Approximate Battery Life: 8 minutes (8 shots)

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E-29

D 1 1 1 6 *Cover lock.*

Card slot
cover loc

Memory
card slot
cover

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E-29

• A Microprocessor is a single integrated circuit (IC) that contains a

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One of the following operations is in progress:

3. Select a format and then click on the button in the top right corner of the page to generate a Microsoft Word document.

meine, dass du es nicht magst, weil du es nicht magst. Aber das ist eine andere Sache. Die Operation ist

• @toronto for five minutes, the...
appears rockiness of 16 days up to 200 with

3. **Select sites to format on.** No toxi and size

SLE **Format** Formats the memory card as a set of

In case of Microdrive malfunction

File does not exist in folder. You can specify a date and time range to filter the Microdrive documentation, called a registration time registration. You can specify a date and time

3. Close the bleed, and slot cover.

IMPORTANT! Turn the camera around by the neck strap. The PC interface functions both as an AC adapter and as a

divide particles. This Agonostolenae-like form can be used to

AC. Keep the camera out of the reach of small children.

- 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.

E-21

If you want to do this:	Do this:
-------------------------	----------

1. **Sign**...
 2. **Press**...
 3. **On the**...
 4. **Remove**...
 5. **Press**...
 6. **Press**...

7. **On the**...
 8. **Press**...
 9. **Press**...
 10. **Press**...
 11. **Press**...
 12. **Press**...



13. **Press**...
 14. **Press**...
 15. **Press**...
 16. **Press**...
 17. **Press**...
 18. **Press**...

Downloaded from ManualsCamera.com Manuals

If you want to do this:	Do this:
-------------------------	----------

1. **Sign**...
 2. **Press**...
 3. **On the**...
 4. **Remove**...
 5. **Press**...
 6. **Press**...

7. **On the**...
 8. **Press**...
 9. **Press**...
 10. **Press**...
 11. **Press**...
 12. **Press**...



13. **Press**...
 14. **Press**...
 15. **Press**...
 16. **Press**...
 17. **Press**...
 18. **Press**...

Downloaded from ManualsCamera.com Manuals

Setting the time

Use the following procedures to set the correct date and time.

When you take a picture, the camera's clock component, button, and camera's clock is registered in accordance with data from the camera's clock. You can even use the time stamp function to stamp the date and time inside the image.

IMPORTANT

- **Shutter release button** (page E-44)
Settings are cleared if the camera is left without power for 24 hours without battery and AC power being supplied. If this happens, restore power and make new time and date settings before taking pictures again.
- **Power function switch** (pages E-35, 45)
A flashing time display indicates that the time and date (clock) settings have been cleared. Use the procedure on page E-35 to make the correct date and time settings.
- **Time display** (page E-5)
If you do not set the camera's built-in clock to the correct date and time, all image files are recorded with the default date and time, which may not be the correct current date and time. Be sure to correctly set the clock before you use the camera.

Index to page 2

View under (page E-10)



Terminal page cover (page E-1)

Exposure sensor (page E-60)

Lens (page E-16)

6. Press **Menu** to exit the setting group.

E-24

	Red eye reduction indicator		Exposure compensation
Line 1	Remaining number of images/File number	Line 3	Shutter speed value/EV value

This section describes the basic procedure for recording an image using the Full Auto Mode. It also explains about basic camera settings. The actual image is recorded and saved in accordance with the image quality setting currently selected on your camera. The image recorded on the memory card has a much better resolution and is sharper than the image on the monitor screen, and is recorded in a format which can be used for a variety of purposes.

Camera Orientation Detection

Using the Full Auto Mode

The Full Auto Mode makes it easy, even for those who are new to digital cameras, to record good-looking digital images every time. The camera automatically adjusts the shutter speed, aperture, flash and other settings in accordance with subject brightness. You can also configure the bundled Photo Loader application (page E-138) so it automatically positions each image using the orientation data stored with it.

1. Before turning on the camera, remove its lens cap.

2. Align the exposure mode dial with **A (Full Auto Mode).**

• Note that images are displayed on the camera's monitor screen using standard horizontal orientation during fast scrolling of images on the image transfer and playback selection menu screens.

3. Align the drive mode dial with **□ (1 Image).**

4. Align the power/function switch with **OFF.**

• Turns on power and enters the REC mode.
— Make sure you are holding the camera still when recording.
• Turns on power and enters the PLAY mode.
OFF : Turns off power.

5. When recording portrait orientation images, position the camera so it is standing up as straight as possible. Optical zoom enlarges the image by changing the focal distance at the lens, and does not change the zoomed area's range of horizontal size and angle (those times from about 20 degrees off of vertical).

1. Align the power/function switch with **OFF.**

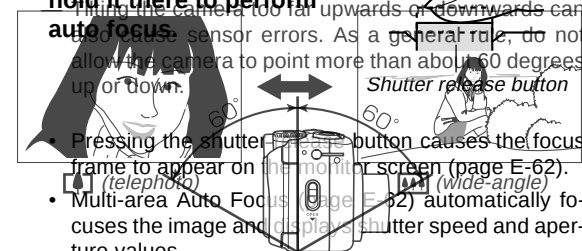
2. Push the zoom lever upwards toward the viewfinder.

6. Press the shutter button about half way and hold it there to perform auto focus.

• Pressing the shutter button causes the focus frame to appear on the monitor screen (page E-62).

• Multi-area Auto Focus (page E-62) automatically focuses the image and displays shutter speed and aperture values.

— The camera orientation sensor does not work with movie images.



NOTES

BASIC IMAGE RECORDING

Using the Self-timer

- The Auto-Release/Continuous Shutter Mode also affects the self-timer. You can check the color of the self-timer lamp.
- The lens aperture value indicated on the camera is the operation/card access lamp.

1. **Adjust the power function switch (P/B).**

2. **Press $\odot$ to select the self-timer time you want.**

- Push the shutter release on brightly reflective objects.
- Vertical and horizontal framing.
- Multiple images (the average distance).
- Subjects in poorly lit areas.
- Moving subjects.

Operation/card access lamp: Green	The image is in focus.
Focus frame: Red	
Operation/card access lamp: Red	The image is not in focus.

- Depending on actual conditions, a green operation/card access lamp and focus frame do not necessarily guarantee that the image is in focus.

Take care that you do not block the lens or the sensors with your fingers as you hold the camera.



After confirming that the image is in focus, press the shutter release button all the way down to save the image.

To protect against unexpected loss of image data, each image is recorded directly to the memory card (without going into the buffer) when the battery level is indicated as low or lower.

To do this, select this setting: **Way down to save the image.**

Recorded images are temporarily stored in a buffer memory and may be stored to the memory card. You can continue to shoot consecutive images as long as there is space available in the buffer.

If you have the number of images you can store in the camera buffer, press the shutter release button to save the image and self-timer page E-94 you are using.

3. **Press the shutter release button to save the image and self-timer page E-94 you are using.**

• To cancel the movement, press the shutter release button gently lifted down. If you have the monitor screen turned on, the seconds are counted down on the screen.

• The message "Battery power is low" appears when the battery level is low.

• The message "Battery power is low" does not appear when the monitor screen is turned off.

NOTES

- The hand-shake limiter is enabled when you use a slow shutter speed and the two-second self-timer at the same time.
- You cannot use the self-timer in combination with the Continuous Shutter Mode.

IMPORTANT!**Using the Viewfinder for Recording**

The illustrations below show what you see when you look through the viewfinder to compose an image for recording.

- In any of the following cases, the message "One moment please" appears on the display after you record each image as it is saved to the memory card.
 - When you are recording TIFF (uncompressed) images (page E-95) *Οχις Φραμε*
 - When you are recording a movie or panorama (pages E-91, 93)
 - When you are recording using certain Best Shot scene setups (page E-76)
 - When the  low battery indicator is on the display while you are using a CompactFlash card (page E-33) *Φορτις Ραννε Φραμε*
 - When the  low battery indicator is on the display while you are using an IBM Microdrive (page E-33) *Σηορτ διστανχε το συβρεχτ*

- Recording images in the Full Auto Mode causes a number of camera settings to be made automatically in accordance with shooting conditions. See Full Auto Mode Settings on page E-154 for more information.

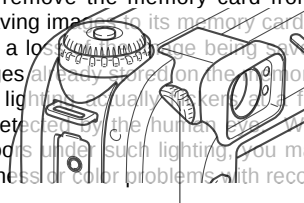
Note that the focus range frame is valid for subjects that are about 30 cm or more away from the camera. If you shoot subjects that are closer or farther away. Because of this, you should change to the Manual Focus Mode (MF) or Macro Mode () whenever the distance between the camera and the subject is 30cm or less (pages E-64, 65).

- The monitor screen turns on automatically whenever the camera is in the Manual Focus Mode or Macro Mode. Use the monitor screen to compose images in the Manual Focus Mode or Macro Mode.

Recording Precautions

You can use the Double-Aid to adjust the image in viewfinder screen to your eyesight.

- Never remove the camera's batteries, disconnect the AC adaptor, or remove the memory card from the camera while it is saving images to its memory card. Doing so not only causes a loss of images being saved, it can also corrupt images already stored on the memory card.
- Fluorescent lights actually flicker at a frequency that cannot be detected by the human eye. When using the camera indoors under such lighting, you may experience some brightness or color problems with recorded images.



Διοπτρ. Διαλ.

Focusing**IMPORTANT!**

The Full Auto Mode uses Multi-area AF, which measures three distances and automatically focuses on the subject nearest to the camera. Note that the focusing range is approximately 30 cm to ∞.

IMPORTANT!

- You cannot select a different focusing method when using the Full Auto Mode (Page E-61).

NOTES

BASIC IMAGE RECORDING

Using the Self-timer

- The Auto Focus (AF) and Continuous Shooting (C) modes also affect the self-timer.
- You can check the color of the image by pressing the **DISP** button.
- The lens aperture value indicated on the camera is the operation/card access lamp.

1. Turn the power/function switch to the OFF position.

2. Press **DISP to select the self-timer time you want.**

- Press the **DISP** button to select the self-timer time you want.
- Multiple images may be taken in a single shot.
- Subjects in poorly lit areas
- Moving subjects

Operation/card access lamp: Green
The image is in focus.

Operation/card access lamp: Red
The image is not in focus.

■ **Fixed Focusing Distances**

- Depending on actual conditions, a green operation/card access lamp and focus frame do not necessarily guarantee that the image is in focus.
- Take care that you do not block the lens or the sensors with your fingers as you hold the camera.



After confirming that the image is in focus, press the shutter release button all the way down to start the save operation.

To protect against unexpected loss of image data, each image is recorded directly to the memory card (without going into the buffer) when the battery level is indicated as **Low** or **Very Low**.

Way down to start the save operation.

Recorded images are temporarily stored in a buffer memory and may be stored to the memory card. You can continue to shoot consecutive images as long as there is space available in the buffer.

- If you have the number of images you can store in the camera buffer, the message "DISP" Press to cancel save" also appears on the monitor screen.
- To cancel the save operation, press the **DISP** button.
- The message "DISP" Press to cancel save" also appears on the monitor screen when the battery level is low.
- The message "DISP" Press to cancel save" also appears on the monitor screen when the battery level is low.

3. Press the **DISP button to start the save operation.**

The message "DISP" Press to cancel save" also appears on the monitor screen when the battery level is low.

The message "DISP" Press to cancel save" also appears on the monitor screen when the battery level is low.

NOTES

- The hand-shake limiter is enabled when you use a slow shutter speed and the two-second self-timer at the same time.
- You cannot use the self-timer in combination with the Continuous Shutter Mode.

This section describes the basic procedure for recording an image using the Full Auto Mode. It also explains about basic camera settings. The actual image is recorded and saved in accordance with the image quality setting currently selected on your camera. The image recorded on the memory card has a much better resolution and is sharper than the image on the monitor screen, and is recorded in a format which can be used for a variety of purposes.

Camera Orientation Detection

Using the Full Auto Mode

The Full Auto Mode makes it easy, even for those who are new to digital cameras, to record good-looking digital images every time. The camera automatically adjusts the shutter speed, aperture, flash and other settings in accordance with subject brightness. You can also configure the bundled Photo Loader application (page E-138) so it automatically positions each image using the orientation data stored with it.

1. Before turning on the camera, remove its lens cap.

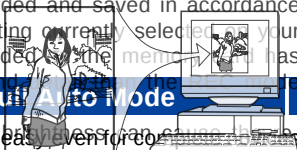
2. Align the exposure mode dial with **A (Full Auto Mode).**

• Note that images are displayed on the camera's monitor screen using standard horizontal orientation during fast scrolling of images on the image transfer and playback image selection menu screens.

3. Align the drive mode dial with **□ (1-Image).**

4. Align the power/function switch with **OFF.**

• Turns on power and enters the REC mode.
— Make sure you are holding the camera still when recording. Camera movement can cause sensor errors.
OFF : Turns off power.

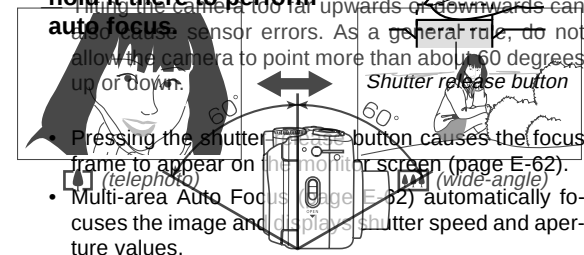


5. When recording portrait orientation images, position the camera so it is standing up as straight as possible. Optical zoom enlarges the image by changing the focal distance of the lens, and does not cause sensor errors. A zoom range of 100% (normal size) to 3x (three times the normal size) is 20 degrees off of vertical.

1. Align the power/function switch with **OFF.**

2. Push the zoom lever upwards toward the "1" mark. If you prefer to use the image, press the zoom controller off the monitor screen.

6. Press the shutter button about half way and hold it there to perform auto focus. Tilting the camera too far upwards or downwards can cause sensor errors. As a general rule, do not allow the camera to point more than about 60 degrees up or down.



• Pressing the shutter button causes the focus frame to appear on the monitor screen (page E-62).
• Multi-area Auto Focus (page E-62) automatically focuses the image and displays shutter speed and aperture values.

— The camera orientation sensor does not work with movie images.

NOTES

BASIC IMAGE RECORDING

Using the Self-timer

- The Auto-Release/Continuous Shutter Mode also affects the self-timer. You can check the color of the image and the status of the frame and the status of the operation/card access lamp.
- The lens aperture value indicated on the camera is the aperture value of the operation/card access lamp.

1. **Press the power function switch (P/B).**

2. **Press $\odot$ to select the self-timer time you want.**

- Press the shutter release button to shoot the image.
- Verify the image is in focus properly when the camera is in the self-timer mode.
- Multiple images are stored in the memory card.
- Subjects in poorly lit areas
- Moving subjects

Operation/card access lamp: Green	The image is in focus.
Operation/card access lamp: Red	The image is not in focus.

- Depending on actual conditions, a green operation/card access lamp and focus frame do not necessarily guarantee that the image is in focus.

Take care that you do not block the lens or the sensors with your fingers as you hold the camera.



After confirming that the image is in focus, press the shutter release button all the way down to save the image.

To protect against unexpected loss of image data, each image is recorded directly to the memory card (without going into the buffer) when the battery level is indicated as low or lower.

When the image is in focus, the image is recorded to the memory card. When the image is not in focus, the image is not recorded to the memory card.

Recorded images are temporarily stored in a buffer memory and may be stored to the memory card. You can continue to shoot consecutive images as long as there is space available in the buffer.

3. **Press the shutter release button to save the image.**

The number of images you can store in the camera is limited by the storage capacity of the memory card and the self-timer mode you are using.

The message "DISP" Press to cancel save" also appears momentarily during save operations in the Panorama Mode, Movie Mode, and when you are using certain Best Shot Scene setups. In this case, this message does not indicate that battery power is low.

The message does not appear when you are using the monitor screen.

NOTES

- The hand-shake limiter is enabled when you use a slow shutter speed and the two-second self-timer at the same time.
- You cannot use the self-timer in combination with the Continuous Shutter Mode.

IMPORTANT!**Using the Viewfinder for Recording**

The illustrations below show what you see when you look through the viewfinder to compose an image for recording.

- In any of the following cases, the message "One moment please" appears on the display after you record each image as it is saved to the memory card.
 - When you are recording TIFF (uncompressed) images (page E-95)
 - When you are recording a movie or panorama (pages E-91, 93)
 - When you are recording using certain Best Shot scene setups (page E-76)
 - When the low battery indicator is on the display while you are using a CompactFlash card (page E-33)
 - When the low battery indicator is on the display while you are using an IBM Microdrive (page E-33)

*Focus Frame**Focus Range Frame*

- Recording images in the Full Auto Mode causes a number of camera settings to be made automatically in accordance with shooting conditions. See Full Auto Mode Settings on page E-154 for more information.

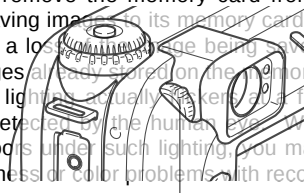
Note that the focus range settings are valid for subjects that are about three meters away or further. For subjects that are closer or farther away. Because of this, you should change to the Manual Focus Mode (MF) or Macro Mode (M) whenever the distance between the camera and the subject is 30cm or less (pages E-64, 65).

- The monitor screen turns on automatically whenever the camera is in the Manual Focus Mode or Macro Mode. Use the monitor screen to compose images in the Manual Focus Mode or Macro Mode.

Recording Precautions

You can use the Diopter Dial to adjust the image in viewfinder screen to your eyesight.

- Never remove the camera's batteries, disconnect the AC adaptor, or remove the memory card from the camera while it is saving images to its memory card. Doing so not only causes a loss of images being saved, it can also corrupt images already stored on the memory card.
- Fluorescent lights actually flicker at a frequency that cannot be detected by the human eye. When using the camera indoors under such lighting, you may experience some brightness or color problems with recorded images.

*Diopter Dial***Focusing****IMPORTANT!**

The Full Auto Mode uses Multi-area AF, which measures three distances of the viewfinder image and focuses on the subject nearest to the camera. Note that the focusing range is approximately 30 cm to infinity.

IMPORTANT!

- You cannot select a different focusing method when using the Full Auto Mode (Page E-61).

NOTES

BASIC IMAGE RECORDING

About Using the Self-timer

When using the self-timer, the camera also affects the following items:

- The color of the image.
- The frame and the status of the operation/card access lamp.
- The lens aperture value indicated on the camera is the aperture value of the operation/card access lamp.

1. **Press the power function switch (P) to select the self-timer.**
 - Strongly backlit subjects results in a higher aperture value.
 - Pop-up flash does not work properly when the camera is used in the self-timer mode.
 - Very close and brightly reflective subjects may cause the camera to focus on the subject.
 - Multiple images may be saved to the memory card.
 - Subjects in poorly lit areas may not be recorded.
 - Moving subjects may not be recorded.
2. **Press the shutter release button to start the self-timer.**
 - Focus frame: Green
 - Operation/card access lamp: Green
 - Focus frame: Red
 - Operation/card access lamp: Red

Depending on actual conditions, a green operation/card access lamp and focus frame do not necessarily guarantee that the image is in focus.

Take care that you do not block the lens or the sensors with your fingers as you hold the camera.




After confirming that the image is in focus, press the shutter release button all the way down to start the self-timer.

To protect against unexpected loss of image data, each image is recorded directly to the memory card (without going into the buffer) while the battery level is indicated as  or lower. To do this, select this setting: **Way down to start the self-timer**.

When the self-timer is selected, the camera will display the image on the screen during the save operation. Under this condition, as long as you do not press DISP, the save operation will take a few seconds to complete. Recorded images are temporarily stored in a buffer memory and may be stored to the memory card. You can continue to shoot consecutive images as long as there is space available in the buffer.

1. If you have the number of images you can store in the camera, the message "DISP" will appear on the monitor screen. Press the shutter release button to cancel the self-timer. (Page E-94)
2. The message "DISP" will appear on the monitor screen. Press the shutter release button to cancel the self-timer. (Page E-94)
3. The message "DISP" will appear on the monitor screen. Press the shutter release button to cancel the self-timer. (Page E-94)
4. The message "DISP" will appear on the monitor screen. Press the shutter release button to cancel the self-timer. (Page E-94)
5. The message "DISP" will appear on the monitor screen. Press the shutter release button to cancel the self-timer. (Page E-94)
6. The message "DISP" will appear on the monitor screen. Press the shutter release button to cancel the self-timer. (Page E-94)
7. The message "DISP" will appear on the monitor screen. Press the shutter release button to cancel the self-timer. (Page E-94)
8. The message "DISP" will appear on the monitor screen. Press the shutter release button to cancel the self-timer. (Page E-94)
9. The message "DISP" will appear on the monitor screen. Press the shutter release button to cancel the self-timer. (Page E-94)
10. The message "DISP" will appear on the monitor screen. Press the shutter release button to cancel the self-timer. (Page E-94)

NOTES

- The hand-shake limiter is enabled when you use a slow shutter speed and the two-second self-timer at the same time.
- You cannot use the self-timer in combination with the Continuous Shutter Mode.

This section describes the basic procedure for recording an image using the Full Auto Mode. It also explains about basic camera settings. The actual image is recorded and saved in accordance with the image quality setting currently selected on your camera. The image recorded on the memory card has a much better resolution and is sharper than the image on the monitor screen.

Using the Full Auto Mode

The Full Auto Mode makes it easy, even for those who are new to digital cameras, to record good-looking digital images every time. The camera automatically adjusts the shutter speed, aperture, flash and other settings in accordance with subject brightness. recorded them. You can also configure the bundled Photo Loader application (page E-138) so it automatically positions each image using the orientation data stored with it.

1. Before turning on the camera, remove its lens cap.

2. Align the exposure mode dial with **A (Full Auto Mode).**

• Note that images are displayed on the camera's monitor screen using standard horizontal orientation during fast scrolling of images on the image transfer and playback image selection menu screens.

3. Align the drive mode dial with **□ (1-Image).**

4. Align the power/function switch with **⏻.**

• Turns on power and enters the REC mode.
— Make sure you are holding the camera still when recording. Camera movement can cause sensor errors.
OFF : Turns off power.

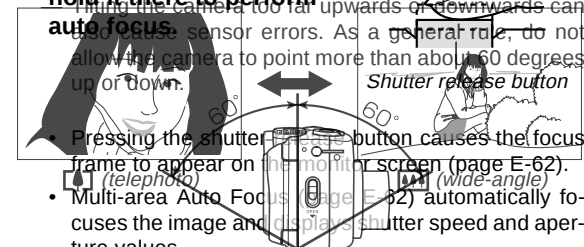


5. When recording portrait orientation images, position the camera so it is standing up as straight as possible. Optical zoom enlarges the image by changing the focal distance of the lens, can cause sensor errors. A zoom range of 100% (normal size) or 3x (three times from a size 20 degrees off of vertical).

1. Align the power/function switch with **⏻.**

2. Push the zoom lever upwards toward the viewfinder. If you prefer to use the image, press the zoom controller off the monitor screen.

6. Press the shutter button about half way and hold it there to perform auto focus. Tilting the camera too far upwards or downwards can cause sensor errors. As a general rule, do not allow the camera to point more than about 60 degrees up or down.



• Pressing the shutter button causes the focus frame to appear on the monitor screen (page E-62).
• Multi-area Auto Focus (page E-62) automatically focuses the image and displays shutter speed and aperture values.

— The camera orientation sensor does not work with movie images.