

Nikon

DIGITAL CAMERA


COOLPIX S50

User's Manual



En

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Introduction

First Steps



**Basic Photography and Playback:
Auto Mode**



**Shooting Suited for the Scene
- High-sensitivity Shooting Mode, Scene Mode**



Anti-shake Mode



One-Touch Portrait Mode



More on Playback



Movies



Voice Recordings

Connecting to Televisions, Computers, and Printers

MENU

Shooting, Playback, and Setup Menus

Technical Notes

For Your Safety

To prevent damage to your Nikon product or injury to yourself or to others, read the following safety precautions in their entirety before using this equipment. Keep these safety instructions where all those who use the product will read them.

The consequences that could result from failure to observe the precautions listed in this section are indicated by the following symbol:



This icon marks warnings, information that should be read before using this Nikon product to prevent possible injury.

WARNINGS

Turn off in the event of malfunction

Should you notice smoke or an unusual smell coming from the camera or AC adapter, unplug the AC adapter and, remove the battery immediately, taking care to avoid burns. Continued operation could result in injury. After removing or disconnecting the power source, take the equipment to a Nikon-authorized service representative for inspection.

Do not disassemble

Touching the internal parts of the camera or AC adapter could result in injury. Repairs should be performed only by qualified technicians. Should the camera or AC adapter break open as the result of a fall or other accident, take the product to a Nikon-authorized service representative for inspection after unplugging the product and/or removing the battery.

Do not use the camera or AC adapter in the presence of flammable gas

Do not use electronic equipment in the presence of flammable gas, as this could result in explosion or fire.

Handle the camera strap with care

Never place the strap around the neck of an infant or child.

Keep out of reach of children

Particular care should be taken to prevent infants from putting the battery or other small parts into their mouths.

Observe caution when handling the battery

The battery may leak or explode if improperly handled. Observe the following precautions when handling the battery for use in this product:

- Before replacing the battery, turn the product off. If you are using the AC adapter, be sure it is unplugged.
- Only use a Rechargeable Li-ion Battery EN-EL8 (supplied). Charge the battery by inserting it in a Battery Charger MH-62 (supplied).
- When inserting the battery, do not attempt to insert it upside down or backwards.
- Do not short or disassemble the battery or attempt to remove or break the battery insulation or casing.
- Do not expose the battery to flame or to excessive heat.
- Do not immerse in or expose to water.
- Replace the terminal cover when transporting the battery. Do not transport or store with metal objects such as necklaces or hairpins.
- The battery is prone to leakage when fully discharged. To avoid damage to the product, be sure to remove the battery when no charge remains.
- Discontinue use immediately should you notice any change in

the battery, such as discoloration or deformation.

- If liquid from the damaged battery comes in contact with clothing or skin, rinse immediately with plenty of water.

Observe the following precautions when handling the battery charger

- Keep dry. Failure to observe this precaution could result in fire or electric shock.
- Dust on or near the metal parts of the plug should be removed with a dry cloth. Continued use could result in fire.
- Do not handle the power cable or go near the battery charger during thunderstorms. Failure to observe this precaution could result in electric shock.
- **Do not damage, modify, forcibly tug or bend the power cable, place it under heavy objects, or expose it to heat or flame.** Should the insulation be damaged and the wires become exposed, take it to a Nikon-authorized service representative for inspection. Failure to observe these precautions could result in fire or electric shock.

For Your Safety

- Do not handle the plug or battery charger with wet hands. Failure to observe this precaution could result in electric shock.

Use appropriate cables

When connecting cables to the input and output jacks, use only the cables provided or sold by Nikon for the purpose, to maintain compliance with product regulations.

Handle moving parts with care

Be careful that your fingers or other objects are not pinched by the lens cover or other moving parts.

CD-ROMs

The CD-ROMs supplied with this device should not be played back on audio CD equipment. Playing CD-ROMs on an audio CD player could cause hearing loss or damage the equipment.

Observe caution when using the flash

Using the flash close to your subject's eyes could cause temporary visual impairment. Particular care should be observed if photographing infants, when the flash should be no less than one meter (39 in.) from the subject.

Do not operate the flash with the flash window touching a person or object

Failure to observe this precaution could result in burns or fire.

Avoid contact with liquid crystal

Should the monitor break, care should be taken to avoid injury caused by broken glass and to prevent liquid crystal from the monitor touching the skin or entering the eyes or mouth.

Notices

Notice for Customers in the U.S.A.

Federal Communications Commission (FCC) Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.



Nikon
COOLPIX S50

CAUTIONS

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Nikon Corporation may void the user's authority to operate the equipment.

Interface Cables

Use the interface cables sold or provided by Nikon for your equipment. Using other interface cables may exceed the limits of Class B Part 15 of the FCC rules.

Notice for customers in the State of California

WARNING: Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause birth defects or other reproductive harm. ***Wash hands after handling.***

Nikon Inc.,
1300 Walt Whitman Road
Melville, New York 11747-3064
USA

Tel: 631-547-4200

Notice for customers in Canada

CAUTION

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

ATTENTION

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

Symbol for Separate Collection in European Countries




This symbol indicates that this product is to be collected separately.











The following apply only to users in European countries:

- This product is designated for separate collection at an appropriate collection point. Do not dispose of as household waste.
- For more information, contact the retailer or the local authorities in charge of waste management.

Table of Contents

Introduction	ii
For Your Safety	ii
WARNINGS	ii
Notices	v
About This Manual	1
Information and Precautions	2
Parts of the Camera	4
Attaching the Camera Strap	4
The Monitor	6
Shooting	6
Playback	7
Basic Operations	8
The  (shooting/playback) Button	8
The MODE (mode) Button	8
The Rotary Multi Selector	9
The MENU Button	10
Help Displays	11
First Steps	12
Charging the Battery	12
Inserting the Battery	14
Removing the Battery	15
Turning On and Off the Camera	15
Setting Display Language, Date, and Time	16
Inserting Memory Cards	18
Removing Memory Cards	19
 Basic Photography and Playback: Auto Mode	20
Step 1 Turn the Camera On and Select  (Auto) Mode	20
Step 2 Frame a Picture	22
Step 3 Focus and Shoot	24
Step 4 Viewing and Deleting Pictures	26
Using the Flash	28
Taking Pictures with the Self-Timer	30
Macro Close-up Mode	31
Exposure Compensation	32

  Shooting Suited for the Scene - High-sensitivity Shooting Mode, Scene Mode	33
High-sensitivity Shooting Mode	33
Scene Modes	34
Features	35
 Anti-shake Mode	42
Shooting in Anti-shake Mode.....	42
 One-Touch Portrait Mode.....	43
Taking Pictures in the One-Touch Portrait Mode.....	43
The One-Touch Portrait Menu.....	44
 More on Playback.....	45
Viewing Multiple Pictures: Thumbnail Playback	45
Viewing Multiple Pictures: Thumbnail Wheel Playback	46
Taking a Closer Look: Playback Zoom.....	47
Editing Pictures.....	48
Enhancing Brightness and Contrast: D-Lighting	49
Creating a Cropped Copy: Crop	50
 Resizing Pictures: Small Picture.....	51
Voice Memos: Recording and Playback	52
Viewing Pictures by Date	53
Pictmotion by muvee	57
 Movies	62
Recording Movies	62
The Movie Menu	63
Selecting Movie Options.....	64
Time-Lapse Movies	65
Stop-Motion Movies.....	66
Auto-Focus Mode.....	67
Movie Playback.....	68
Deleting Movie Files	68
 Voice Recordings	69
Making Voice Recordings	69
Playing Voice Recordings	71
Copying Voice Recordings	73

Connecting to Televisions, Computers, and Printers	74
Connecting to a TV.....	74
Connecting to a Computer	75
Before Connecting the Camera	75
Setting the USB Option	76
Transferring Pictures to a Computer	77
Connecting to a Printer.....	79
Connecting the Camera and Printer	80
Printing Pictures One at a Time.....	81
Printing Multiple Pictures.....	82
Creating a DPOF Print Order: Print Set	85
Connecting to a ImageLink-compatible Printer	87
Removing the Dock Insert.....	87
MENU Shooting, Playback, and Setup Menus.....	88
Shooting Options: The Shooting Menu	88
Displaying the Shooting Menu and High-sensitivity Menu.....	89
Image Mode	89
WB White Balance.....	91
Continuous.....	93
BSS Best Shot Selector (BSS)	95
ISO ISO Sensitivity.....	96
Color Options.....	96
AF Area Mode.....	97
Restrictions on Camera Settings	98
Playback Options: The Playback Menu	99
Displaying the Playback Menu	99
Print Set	85
Slide Show	101
Delete	102
Protect	102
Transfer Marking	103
Rotate Image	103
Small Picture	51
Copy.....	104

Basic Camera Setup: The Setup Menu.....	105
Displaying the Setup Menu.....	106
MENU Menus.....	106
Quick Startup.....	107
Welcome Screen	107
Date	108
Monitor Settings.....	111
Date Imprint.....	112
Vibration Reduction.....	114
AF Assist	115
Sound Settings.....	115
Record Orientation	116
Auto Off	116
Format Memory/[] Format Card	117
Language	118
Interface.....	118
Reset All.....	119
Firmware Version	121

Technical Notes	122
Optional Accessories	122
Approved Memory Cards	122
Image/Sound File and Folder Names.....	123
Caring for the Camera	125
Cleaning	127
Storage	127
Error Messages.....	128
Troubleshooting.....	132
Specifications.....	137
Supported Standards.....	140
Index.....	141

About This Manual

Thank you for your purchase of a Nikon COOLPIX S50 digital camera. This manual has been written to help you enjoy taking pictures with your Nikon digital camera. Read this manual thoroughly before use, and keep it where all those who use the product will read it.

Symbols and Conventions

To make it easier to find the information you need, the following symbols and conventions are used:



This icon marks cautions, information that should be read before use to prevent damage to the camera.



This icon marks tips, additional information that may be helpful when using the camera.



This icon marks notes, information that should be read before using the camera.



This icon indicates that more information is available elsewhere in this manual or in the *Quick Start Guide*.

Notations

- A Secure Digital (SD) memory card is referred to as a “memory card.”
- The setting at the time of purchase is referred to as the “default setting.”
- Menu items, options, and messages displayed in the camera monitor are shown in brackets ([]).

Screen Samples

In this manual, images are sometimes omitted from monitor display samples so that monitor indicators can be more clearly shown.

Illustrations and Screen Display

Illustrations and text displays shown in this manual may differ from actual display.



Memory Cards

Pictures taken with this camera can be stored in the camera’s internal memory or on removable memory cards. If a memory card is inserted, all new pictures will be stored on the memory card and delete, playback, and format operations will apply only to the pictures on the memory card. The memory card must be removed before the internal memory can be formatted or used to store, delete, or view pictures.

Information and Precautions

Life-Long Learning

As part of Nikon's "Life-Long Learning" commitment to ongoing product support and education, continually updated information is available online at the following sites:

- For users in the U.S.A.: <http://www.nikonusa.com/>
- For users in Europe and Africa: <http://www.europe-nikon.com/support/>
- For users in Asia, Oceania, and the Middle East: <http://www.nikon-asia.com/>

Visit these sites to keep up-to-date with the latest product information, tips, answers to frequently asked questions (FAQs), and general advice on digital imaging and photography. Additional information may be available from the Nikon representative in your area. See the URL below for contact information:

<http://nikonimaging.com/>

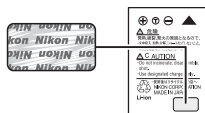
Use Only Nikon Brand Electronic Accessories

Nikon COOLPIX cameras are designed to the highest standards and include complex electronic circuitry. Only Nikon brand electronic accessories (including battery chargers, batteries, and AC adapters) certified by Nikon specifically for use with this Nikon digital camera are engineered and proven to operate within the operational and safety requirements of this electronic circuitry.

THE USE OF NON-NIKON ELECTRONIC ACCESSORIES COULD DAMAGE THE CAMERA AND MAY VOID YOUR NIKON WARRANTY.

For more information about Nikon brand accessories, contact a local authorized Nikon dealer.

Holographic seal: Identifies this device as an authentic Nikon product.



Rechargeable Li-ion
Battery EN-EL8

Before Taking Important Pictures

Before taking pictures on important occasions (such as at weddings or before taking the camera on a trip), take a test shot to ensure that the camera is functioning normally. Nikon will not be held liable for damages or lost profits that may result from product malfunction.

About the Manuals

- No part of the manuals included with this product may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form, by any means, without Nikon's prior written permission.
- Nikon reserves the right to change the specifications of the hardware and software described in these manuals at any time and without prior notice.
- Nikon will not be held liable for any damages resulting from the use of this product.
- While every effort has been made to ensure that the information in these manuals is accurate and complete, we would appreciate it were you to bring any errors or omissions to the attention of the Nikon representative in your area (address provided separately).

Notice Concerning Prohibition of Copying or Reproduction

Note that simply being in possession of material that has been digitally copied or reproduced by means of a scanner, digital camera or other device may be punishable by law.

- **Items prohibited by law from being copied or reproduced**

Do not copy or reproduce paper money, coins, securities, government bonds, or local government bonds, even if such copies or reproductions are stamped "Sample".

The copying or reproduction of paper money, coins, or securities which are circulated in a foreign country is prohibited.

Unless the prior permission of the government has been obtained, the copying or reproduction of unused postage stamps or post cards issued by the government is prohibited.

The copying or reproduction of stamps issued by the government and of certified documents stipulated by law is prohibited.

- **Cautions on certain copies and reproductions**

The government has issued cautions on copies or reproductions of securities issued by private companies (shares, bills, checks, gift certificates, etc.), commuter passes, or coupon tickets, except when a minimum of necessary copies are to be provided for business use by a company. Also, do not copy or reproduce passports issued by the government, licenses issued by public agencies and private groups, ID cards, and tickets, such as passes and meal coupons.

- **Comply with copyright notices**

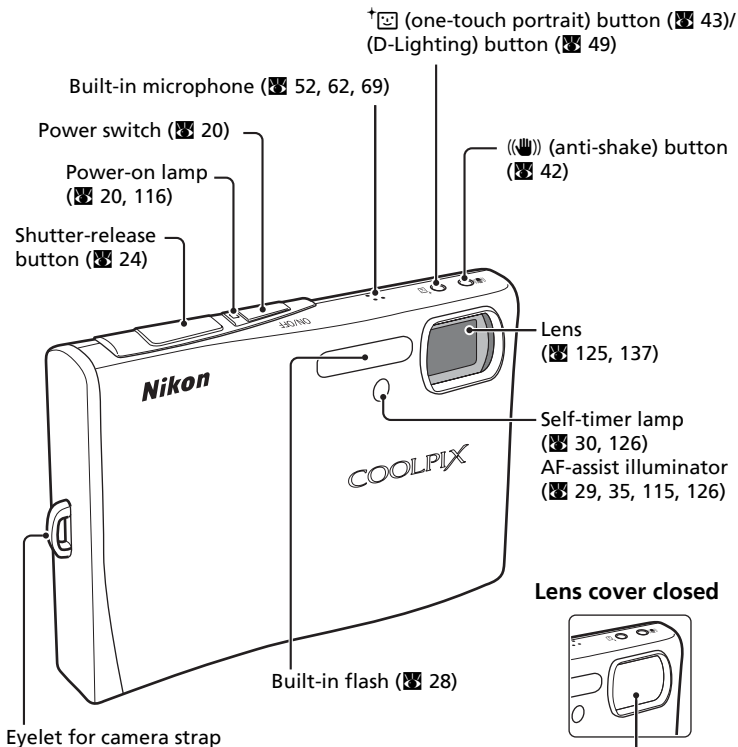
The copying or reproduction of copyrighted creative works such as books, music, paintings, woodcut prints, maps, drawings, movies, and photographs is governed by national and international copyright laws. Do not use this product for the purpose of making illegal copies or to infringe copyright laws.

Disposing of Data Storage Devices

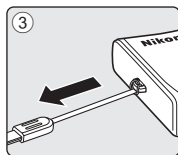
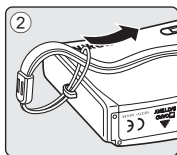
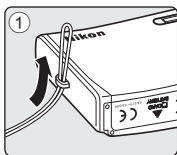
Please note that deleting images or formatting data storage devices such as memory cards or built-in camera memory does not completely erase the original image data. Deleted files can sometimes be recovered from discarded storage devices using commercially available software, potentially resulting in the malicious use of personal image data. Ensuring the privacy of such data is the user's responsibility.

Before discarding a data storage device or transferring ownership to another person, erase all data using commercial deletion software, or format the device and then completely refill it with images containing no private information (for example, pictures of empty sky). Be sure to also replace any pictures selected for the welcome screen (107). Care should be taken to avoid injury or damage to property when physically destroying data storage devices.

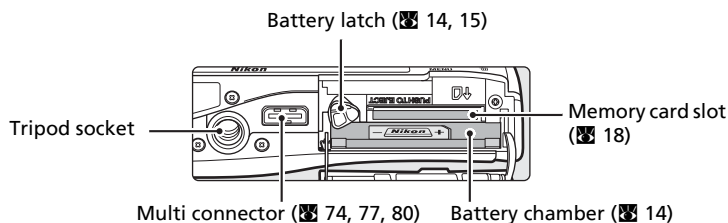
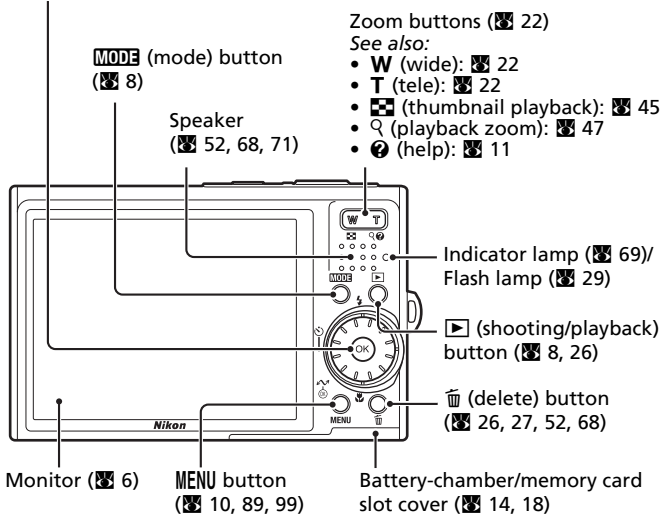
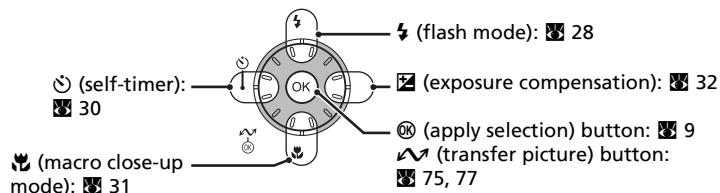
Parts of the Camera



Attaching the Camera Strap



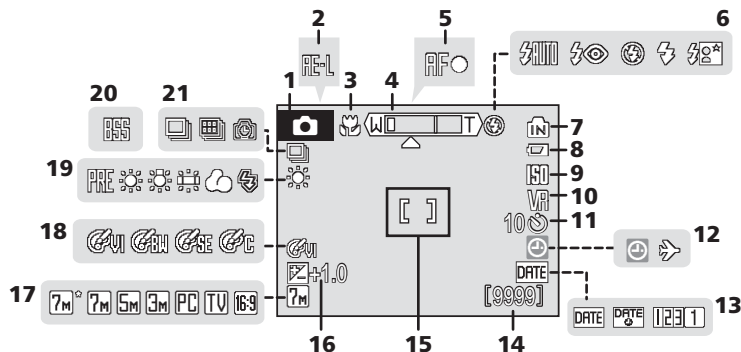
Rotary multi selector: 9



The Monitor

The following indicators may appear in the monitor during shooting and playback (actual display varies with current camera settings).

Shooting

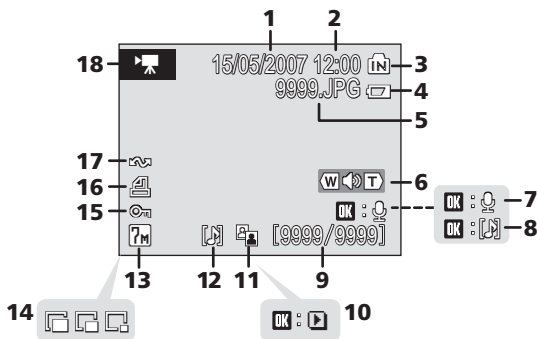


1	Shooting mode ¹ 20, 33, 34, 42, 43, 62	12	"Date not set" indicator 128
2	Exposure lock 41		Time zone indicator 108
3	Macro close-up mode 31	13	Date imprint 112
4	Zoom indicator 22, 31		Number of exposures remaining (still pictures) 20
5	Focus indicator 24		Movie length 62
6	Flash mode 28	15	Focus area ² 24, 97
7	Internal memory indicator 21	16	Exposure compensation value 32
8	Battery level indicator 20	17	Image mode 89
9	ISO sensitivity 29, 96	18	Color options 96
10	Vibration reduction icon 114	19	White balance mode 91
11	Self-timer indicator 30	20	Best shot selector (BSS) 95
		21	Continuous shooting mode 93

¹ Differs according to the current shooting mode. Refer to the sections on each mode for details.

² When the shutter-release button is pressed halfway at the default [AF area mode] setting of [Auto], the active focus area is displayed. The focus area can be selected from 99 focus areas in the frame or locked at the center focus area.

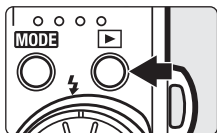
Playback







1	Date of recording.....	16	10	Movie playback indicator	68
2	Time of recording.....	16	11	D-Lighting icon	49
3	Internal memory indicator	26	12	Voice memo icon.....	52
4	Battery level indicator	20	13	Image mode	89
5	File number and type.....	123	14	Small picture	51
6	Volume indicator.....	52, 68	15	Protect icon	102
7	Voice memo recording guide.....	52	16	Print-order icon	85
8	Voice memo playback guide.....	52	17	Transfer icon	78, 103
9	Current frame number/total number of frames	26	18	Movie indicator	68
	Movie length.....	68			

Basic Operations

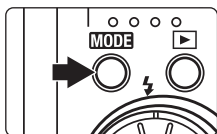
The (shooting/playback) Button





Press  once in shooting mode to enter full-frame playback; press again to switch back to shooting mode. Pressing the shutter-release button halfway in playback mode () 26) will also activate shooting mode.

If the camera is turned off, hold down  to turn the camera on in playback mode () 26).

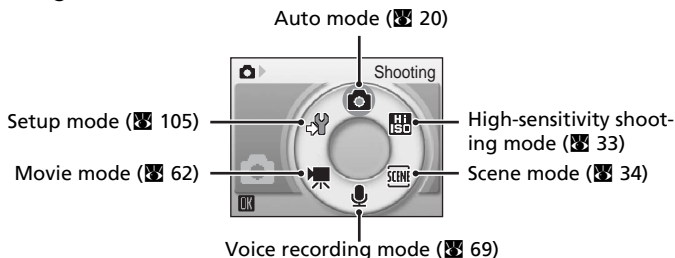
The **MODE** (mode) Button



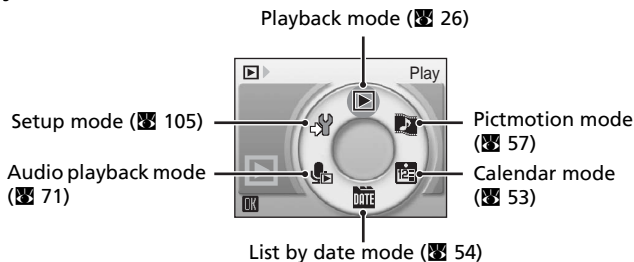
Press **MODE** during shooting to display the shooting-mode selection menu, or during playback to display the playback-mode selection menu. Use the rotary multi selector () 9) to choose the desired mode.

- Press  to switch between the mode-selection menus for shooting mode and playback mode.

Shooting-mode Selection Menu



Playback-mode Selection Menu

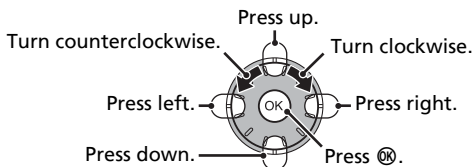


The Rotary Multi Selector

The rotary multi selector is made up of the rotating ring and the **OK** button. When selecting menus or pictures, you can either press the rotating ring up, down, left, or right, or rotate it. When choosing from numerous menu items or pictures, rotating the ring is recommended for easy scrolling and faster operation.

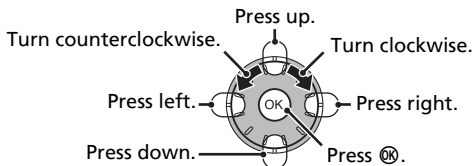
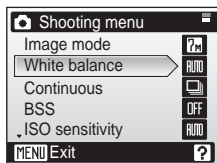
This section describes standard uses of the rotary multi selector to select modes, select menu options, and to apply selection.

For the Shooting-mode/Playback-mode Selection Menu



- To move the highlight clockwise, turn clockwise, press down or right.
- To move the highlight counterclockwise, turn counterclockwise, press up or left.
- To apply selection, press **OK**.

For the Menu Screen



- To move the highlight upward, turn counterclockwise, or press up.
- To move the highlight downward, turn clockwise, or press down.
- To apply selection, press **OK** or right.
- To cancel setting and return to the previous screen, press left.

Notes on the Rotary Multi Selector

- In many cases, you can choose how to use the rotary multi selector to perform an operation. For example, rotating the selector clockwise and pressing the selector right may produce the same results. Since the selector can be used in various ways, concrete descriptions such as "Press the rotary multi selector **▶**" are included only in cases where necessary.
- In the manual, the button indicating up, down, left, and right of the rotary multi selector is shown as **▲**, **▼**, **◀**, and **▶**.

The MENU Button

Press **MENU** to display the menu for the selected mode. Use the rotary multi selector to navigate the menus (🔍 9).

- 📷 Shooting menu (🔍 88)
- 📷 High-sensitivity menu (🔍 88)
- 📷 Scene menu (🔍 34)
- 📷 Anti-shake menu¹ (🔍 42)
- 📷 One-touch portrait menu² (🔍 44)
- 📷 Movie menu (🔍 63)
- ▶ Playback menu (🔍 99)
- 📅 Calendar menu (🔍 56)
- 📅 List by date menu (🔍 56)
- 🖨️ Print menu³ (🔍 82)
- ⚙️ Setup menu⁴ (🔍 105)

¹ To display the anti-shake menu, enter anti-shake mode by pressing (📷) and then press **MENU**.

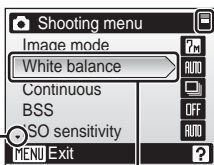
² To display the one-touch portrait menu, enter one-touch portrait mode by pressing 📷 and then press **MENU**.

³ To display the print menu, connect the camera to a PictBridge-compatible printer to display the print selection screen, and then press **MENU**.

⁴ To display the setup menu for shooting or playback mode, choose ⚙️ in the shooting-mode or playback-mode selection menu and then press 🔍.



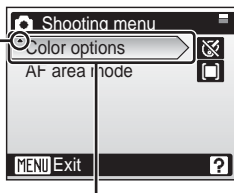
Displayed when there are one or more menu items to follow



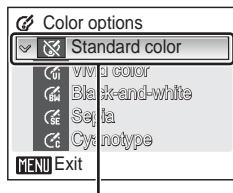
The selected option

Displayed when the menu contains two or more pages

Displayed when there are more previous menu items



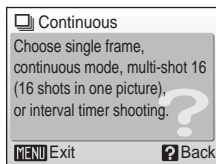
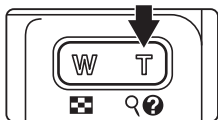
Press the rotary multi selector ▶ or 🔍 to proceed to the next set of options.



Press the rotary multi selector ▶ or 🔍 to apply selection.

Help Displays

Press **T** (🔍) to view a description of the currently selected menu option.



- To return to the original menu, press **T** (🔍) again.
- Press **MENU** to return to shooting or playback mode.

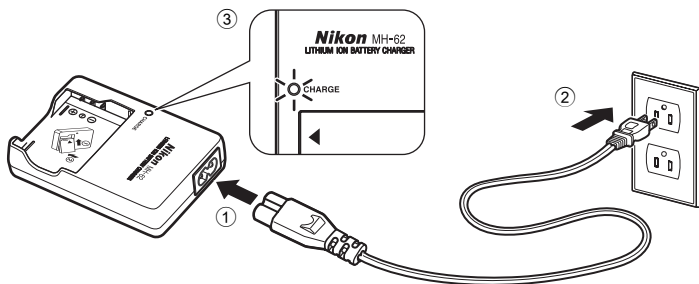
Charging the Battery

The camera uses a Rechargeable Li-ion Battery EN-EL8 (supplied).

Charge the battery with the Battery Charger MH-62 (supplied) before first use or when the battery is running low.

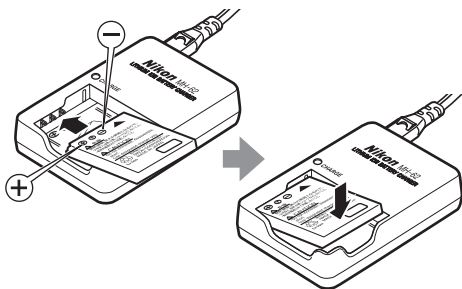
1 Connect the power cable

Connect the power cable to the battery charger ① and insert the wall plug into a power outlet ②. The CHARGE lamp will light to show that the charger is on ③.



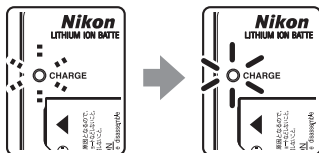
2 Charge the battery

Insert the battery into the battery charger.



CHARGE lamp starts blinking when battery is inserted. Charging is complete when lamp stops blinking.

About two hours are required to charge a fully depleted battery.



CHARGE lamp	Description
Blinks	Battery charging.
On	Battery fully charged.
Flickers	Battery error. If ambient temperature is not 5 to 35 °C (41 to 95 °F), wait until temperature is in this range before charging. Otherwise unplug charger and remove battery immediately and take both devices to retailer or Nikon-authorized service representative.

3 Unplug the charger

Remove the battery and unplug the charger.

Note on the Battery Charger

Be sure to read and follow the warnings for the battery charger on pages iii and iv before using the battery charger.

The supplied battery charger is for use only with a Rechargeable Li-ion Battery EN-EL8. Do not use with incompatible batteries.

Note on the Battery

Be sure to read and follow the warnings for the battery on page iii and the section, “Caring for the Camera” (🔍 125), before using the battery.

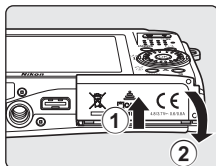
Alternative Power Resources

- To power the camera continuously for extended periods, use an AC Adapter EH-64 (available separately from Nikon) (🔍 122). **Do not, under any circumstances, use another make or model of AC adapter.** Failure to observe this precaution could result in overheating or in damage to the camera.
- The AC adapter and the supplied audio video/USB cable cannot be used at the same time.

Inserting the Battery

Insert a Rechargeable Li-ion Battery EN-EL8 (supplied) that has been fully charged, using the Battery Charger MH-62 (supplied), into your camera.

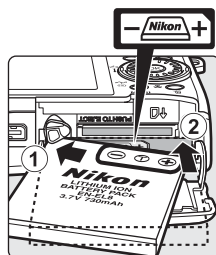
- 1 Open the battery-chamber/memory card slot cover.



- 2 Insert the battery.

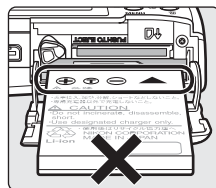
Confirm that the positive (+) and negative (-) terminals are oriented correctly as described on the label at the entrance of the battery chamber, and insert the battery.

Use the side of the battery to push the orange battery latch up ① as the battery is inserted ②. The latch drops back into place when the battery is fully inserted.

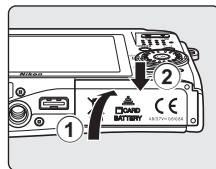


Inserting the Battery

Inserting the battery upside down or backwards could damage the camera. Be sure to check the battery is in the correct orientation.



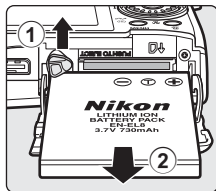
- 3 Close the battery-chamber/memory card slot cover.



Removing the Battery



Turn the camera off before removing the battery. To eject the battery, open the battery-chamber/memory card slot cover and slide the battery latch in the direction shown ①. The battery can then be removed by hand ②.

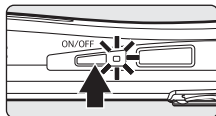
- Note that the battery may become hot during use; observe due caution when removing the battery.



Turning On and Off the Camera

To turn on the camera, press the power switch. The power-on lamp (green) will light and the monitor will turn on. To turn off the camera, press the power switch again.

If the camera is turned off, hold down  to turn the camera on in playback mode ( 26).

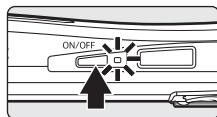


Setting Display Language, Date, and Time

A language-selection dialog is displayed the first time the camera is turned on.

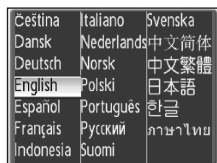
- 1 Press the power switch to turn on the camera.

The power-on lamp will light and the monitor will turn on.



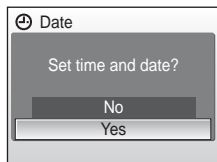
- 2 Use the rotary multi selector to choose the desired language and press **OK**.

For information on using the rotary multi selector, see "The Rotary Multi Selector" (p. 9).



- 3 Choose [Yes] and press **OK**.

If [No] is selected, the date and time will not be set.



- 4 Press **OK**.

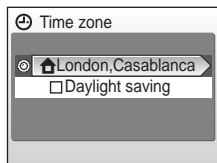
The home time zone menu is displayed.

Daylight Saving Time

If daylight saving time is in effect, turn on [Daylight saving] in the time zone menu and set the date.

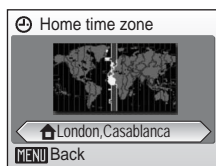
- 1 Before pressing **OK**, press the rotary multi selector **▼** to choose [Daylight saving].
- 2 Press **OK** to enable daylight saving time (✓).
Pressing **OK** toggles the daylight saving time option on and off.
- 3 Press the rotary multi selector **▲**, and then press **OK** to proceed to step 5.

When daylight saving time ends, turn [Daylight saving] off from the date menu (p. 108) in the setup menu. The camera's clock is automatically set back one hour.

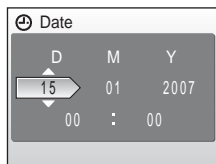


- 5** Select your home time zone (🌐 110) and press **OK**.

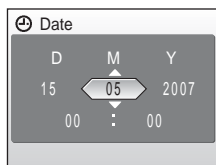
The date menu is displayed.



- 6** Edit the day ([D]) (order of the day, month, and year may differ in some areas) and press **OK**.

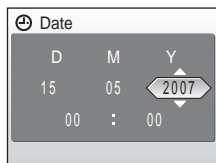


- 7** Edit the month ([M]) and press **OK**.



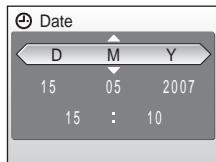
- 8** Repeat steps 6 and 7 to edit the year ([Y]), hour, and minutes. Press **OK** after setting each item.

The row for setting the order in which the date is displayed will blink.



- 9** Choose the order in which the day, month, and year are displayed and press **OK**.

The settings are applied and monitor display returns to shooting mode.



Inserting Memory Cards

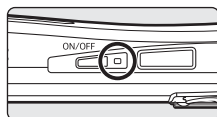
Pictures are stored in the camera's internal memory (13 MB) or on removable Secure Digital (SD) memory cards (available separately) (❏ 122).

If a memory card is inserted in the camera, pictures are automatically stored on the memory card and pictures recorded to the memory card can be played back, deleted, or transferred. Remove the memory card to store pictures in the internal memory, or play back, delete, or transfer pictures from the internal memory.

- 1 Turn the camera off and open the battery-chamber/memory card slot cover.

If the power-on lamp is lit, press the power switch to turn off the camera.

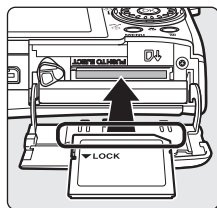
Make sure that the camera is off (power-on lamp is off) before inserting or removing the memory card.



- 2 Insert the memory card.

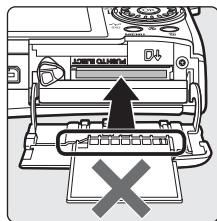
Slide the memory card in until it clicks into place.

Close the battery-chamber/memory card slot cover.



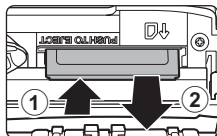
❑ Inserting Memory Cards

Inserting the memory card upside down or backwards could damage the camera or the memory card. Make sure that the memory card is correctly oriented.



Removing Memory Cards

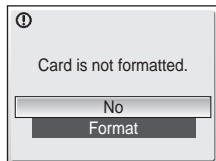
Before removing memory cards, **turn the camera off** and confirm that the power-on lamp is off. Open the battery-chamber/memory card slot cover and press the card in ① to partially eject the card ②. The card can then be removed by hand.



Formatting Memory Cards

If the message at right is displayed, the memory card must be formatted before use (117). Note that **formatting permanently deletes all pictures** and other data on the memory card. Be sure to make copies of any pictures you wish to keep before formatting the memory card.

Use the rotary multi selector to choose [Format] and press OK. The screen shown at right will be displayed. To start formatting, choose [Format] again and press OK.



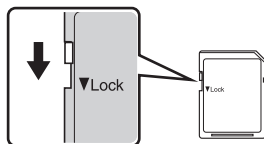
• **Do not turn the camera off or open the battery-chamber/memory card slot cover until formatting is complete.**

• The first time you insert the memory cards used in other devices into the COOLPIX S50, be sure to format them (117).

The Write Protect Switch

SD memory cards are equipped with a write protect switch. Pictures cannot be recorded or deleted and the memory card cannot be formatted when this switch is in the “lock” position. Unlock by sliding the switch to the “write” position.


Write protect switch



Memory Cards


- Use only Secure Digital memory cards.
- Do not perform the following during formatting, while data are being written to or deleted from the memory card, or during data transfer to a computer. Failure to observe this precaution could result in the loss of data or in damage to the camera or memory card.
 - Eject the memory card
 - Remove the battery
 - Turn off the camera
 - Disconnect the AC adapter
- Do not disassemble or modify.
- Do not drop, bend, or expose to water or strong physical shocks.
- Do not touch the metal terminals with your fingers or metal objects.
- Do not affix labels or stickers to the memory card.
- Do not leave in direct sunlight, closed vehicles, or areas exposed to high temperatures.
- Do not expose to humidity or to corrosive gases.

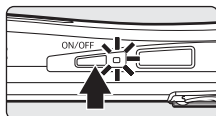
Step 1 Turn the Camera On and Select (Auto) Mode

This section describes how to take pictures in  (auto) mode, an automatic, “point-and-shoot” mode recommended for first-time users of digital cameras.

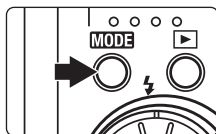
1 Press the power switch to turn on the camera.

The power-on lamp will light and the monitor will turn on.

Proceed to step 4 when  is displayed.



2 Press **MODE**.





3 Use the rotary multi selector to choose and press **OK**.

The camera enters  (auto) mode.

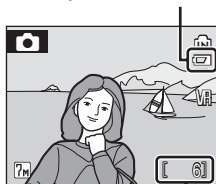


4 Check the battery level and number of exposures remaining.

Battery level

Monitor	Description
NO INDICATOR	Battery fully charged.
	Battery low; charge or replace the battery.
 Warning! Battery exhausted.	Battery exhausted. Recharge or replace with a fully charged battery.

Battery level indicator

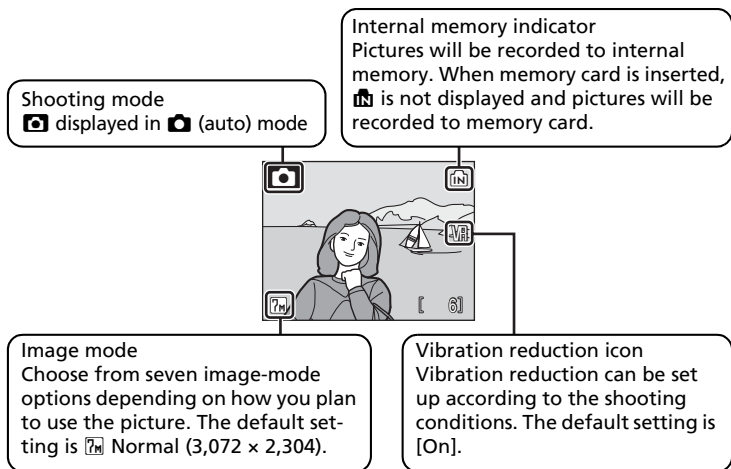


Number of exposures remaining














Number of exposures remaining

The number of pictures that can be stored depends on the capacity of the memory or memory card and image mode setting.


Indicators Displayed in (Auto) Mode



Available Functions in (Auto) Mode


In  (auto) mode, macro close-up mode ( 31) and exposure compensation ( 32) can be applied and pictures can be taken using the flash ( 28) and self-timer ( 30). Pressing **MENU** in  (auto) mode displays the shooting menu. This menu allows you to specify the image mode ( 89), white balance setting ( 91), and to apply continuous shooting ( 93), BSS ( 95), ISO sensitivity ( 96), color options ( 96), and AF area ( 97) to suit shooting conditions or your own preferences.

Vibration Reduction

[Vibration reduction] ( 114), when [On] (default setting) is selected, can be applied to effectively reduce blur, caused by slight hand movement known as camera shake, that commonly occurs when shooting with zoom applied or at slow shutter speeds.

Vibration reduction can be used in all shooting modes.

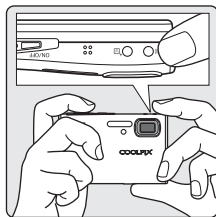
Auto Power Off in (Auto) Mode (Standby Mode)

The monitor will dim to reduce the drain on the battery if no operations are performed for about five seconds. The monitor will brighten when camera controls are used. At default settings, the monitor will turn off altogether if no operations are performed for about a minute during shooting and playback. The camera will turn off automatically if no operations are performed for another three minutes ( 116).

Step 2 Frame a Picture

1 Ready the camera.

Hold the camera steadily in both hands, keeping your fingers and other objects away from the lens, flash, and self-timer lamp.



2 Frame the picture.

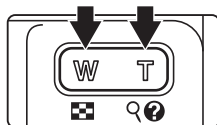
Position the main subject near the center of the monitor.



Using the Zoom

Use the zoom buttons to activate optical zoom. Press **W** (🏠) to zoom out, increasing the area visible in the frame, or **T** (🔍) to zoom in so that the subject fills a larger area of the frame.

Zoom out Zoom in

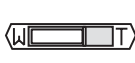


When the camera is zoomed in to the maximum magnification (3×), holding down **T** (🔍) triggers digital zoom. The subject is magnified up to 4×, for a total magnification of 12×.

A monitor indicator shows the current zoom ratio.



Zoom indicator displayed when the zoom buttons are pressed.



Optical zoom (up to 3×)




Zoom indicator turns yellow when digital zoom is in effect.





Digital Zoom

Unlike optical zoom, data from the camera's image sensor are processed digitally with digital zoom. Details visible at maximum optical zoom are simply enlarged, producing a slightly "grainy" image.

High-sensitivity Shooting Mode

In high-sensitivity shooting mode ( 33), sensitivity is increased to reduce blurring caused by camera shake or subject movement under low lighting.

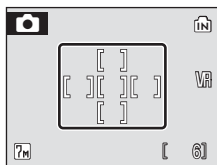
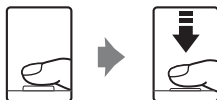
Anti-shake Mode

In anti-shake mode ( 42), [Vibration reduction] ( 114) and [BSS] (best shot selector) ( 95) are enabled to reduce blurring caused by camera shake and subject movement, and the flash is disabled. With [BSS] enabled, the camera takes shots to a maximum of ten, they are compared, and the sharpest picture (picture with the highest level of detail) is saved. A higher sensitivity is set, and the shutter speed will be faster, even for shooting subjects in the same brightness, than in  (auto) mode. This mode is not suited to shooting under low lighting, but is suited to shooting under natural light when the camera is zoomed in.

Step 3 Focus and Shoot

1 Press the shutter-release button halfway.

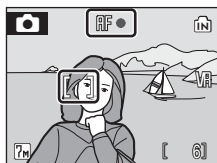
The camera focuses on the subject positioned within the active focus area. By default, the camera automatically chooses the focus area (one of five) containing the subject closest to the camera and adjusts exposure accordingly.



When the subject is in focus, the active focus area and focus indicator (AF●) glow green.

When the camera is unable to focus, the focus area and focus indicator blink red. Change the composition and try again.

The focus area is not displayed when digital zoom is in effect.



2 Press the shutter-release button the rest of the way down.

The picture will be recorded to the memory card or internal memory.



Shutter-Release Button

The camera features a two-stage shutter-release button. To set focus and exposure, press the shutter-release button halfway, stopping when you feel resistance. Focus and exposure lock while the shutter-release button is held in this position. To release the shutter and take a picture, press the shutter-release button the rest of the way down. Do not use force when pressing the shutter-release button, as this may result in camera shake and blurred pictures.





Set focus and exposure



Take picture


During Recording

While pictures are being recorded, the  (wait) icon will be displayed, and the  icon will blink. Do not turn the camera off, open the battery-chamber/memory card slot cover, or remove or disconnect the power source while these icons are displayed. Cutting power or removing the memory card in these circumstances could result in loss of data or in damage to the camera or card.

Autofocus

Autofocus may not perform as expected in the following situations:

- Subject is very dark
- Objects of sharply differing brightness are included in the scene (e.g., the sun is behind the subject and is in deep shadow)
- No contrast between the subject and surroundings (e.g., when the subject is standing in front of a white wall, wearing a white shirt)
- Several objects are at different distances from the camera (e.g., the subject is inside a cage)
- Subject is moving rapidly

In the situations noted above, try pressing the shutter-release button halfway to refocus several times, or use focus lock ( 97).

AF-assist Illuminator and Flash

If the subject is poorly lit, the AF-assist illuminator may light by pressing the shutter-release button halfway, or the flash may fire by pressing the shutter-release button all the way down.



Step 4 Viewing and Deleting Pictures

Full-Frame Playback


Press .



The last picture taken will be displayed.

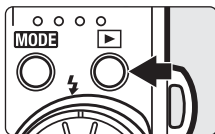
Use the rotary multi selector , , , or  to view additional pictures.

Pictures taken in "tall" orientation will be rotated automatically ( 116). The rotating direction can be changed ( 103).

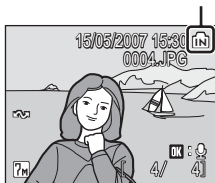
Pictures may be displayed briefly at low resolution while being read from the memory card or internal memory.

Press  or the shutter-release button to switch to shooting mode.


When  is displayed, pictures stored in the internal memory will be displayed. When memory card is inserted,  is not displayed and pictures stored on the memory card will be displayed.

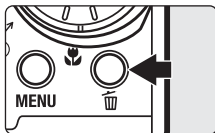



Internal memory indicator




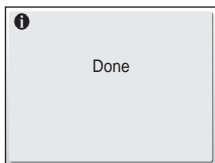
Deleting Pictures

- 1 Press  to delete the picture currently displayed in the monitor.















- 2 Use the rotary multi selector to select [Yes] and press .

To exit without deleting the picture, choose [No] and press .





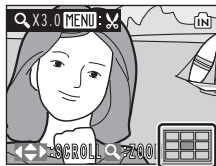
Full-Frame Playback Mode

The following options are available in full-frame playback mode.




Option	Use	Description	
Playback zoom	T (Q)	Press T (Q) to enlarge view of picture currently displayed in monitor up to about 10x.	47
View thumbnails	W 	Press W  to display nine, 16, or 25 picture thumbnails.	45
Display thumbnail wheel		Rotate the rotary multi selector to display the thumbnail wheel.	46
D-Lighting		Press  to enhance brightness and contrast in dark portions of pictures.	49
Record/play voice memo		Press  to record or play back voice memos up to 20 seconds in length.	52
Switch to shooting mode	  	Press  or the shutter-release button to switch to the shooting mode selected in the shooting-mode selection menu.	26

Quick Playback Zoom



Pressing **T** (Q) during full-frame playback zooms the current picture in 3x, with the center of the picture displayed in the monitor (Quick Playback Zoom) ( 47). Press  to return to full-frame playback.



Viewing Pictures

- When the camera is off, holding down  will turn the camera on in full-frame playback mode. If the camera is turned off in voice recording mode ( 69) or audio playback mode ( 71), the camera will be turned on in audio playback mode.
- Pictures stored in the internal memory can only be viewed if no memory card is inserted.

Deleting the Last Picture Taken

In shooting mode, press  to delete the last picture taken. When the confirmation dialog shown at right is displayed, use the rotary multi selector to choose [Yes] and press .

To exit without deleting the picture, choose [No] and press .




Using the Flash

The flash has a range of 0.3–3.5 m (1–11.4 ft.) when the camera is zoomed out all the way. With maximum optical zoom applied, the range is 0.3–3 m (1–9.8 ft.) (when [ISO sensitivity] is set to [Auto]). The following flash modes are available:

 **Auto (default setting for  (auto) mode)**

Flash fires automatically when lighting is poor.

 **Auto with red-eye reduction**

Reduces “red-eye” in portraits ( 29).

 **Off**

Flash will not fire even when lighting is poor.

 **Fill flash**

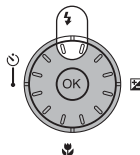
Flash fires when a picture is taken. Use to “fill-in” (illuminate) shadows and back-lit subjects.

 **Slow sync**

Flash illuminates main subject; slow shutter speeds are used to capture background at night or under dim light.



1 Press (flash mode).


The flash menu is displayed.




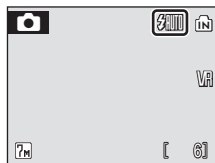
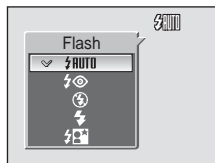
2 Use the rotary multi selector to choose the desired flash mode and press .

The icon for the selected flash mode is displayed at the top of the monitor.

When  (auto) is applied,  is only displayed for five seconds.

The flash mode applied in  (auto) mode and high-sensitivity shooting mode is stored in the camera's memory even after the camera is turned off.

If a setting is not applied by pressing  within five seconds, the selection will be cancelled.



✓ The (Off) Indicator

Note the following when lighting is poor and the flash is off (⓪). Turn vibration reduction (114) off when using a tripod.

- Place the camera on a flat, level surface or use a tripod (recommended).
- The ISO is displayed when the camera automatically increases sensitivity to minimize blur caused by slow shutter speed. Pictures taken when ISO is displayed may be slightly mottled.
- When ISO is displayed, higher sensitivity is applied, and slow shutter speeds are used, noise reduction may be automatically applied as pictures taken are recorded; results in increased recording times.

✓ Note on Using the Flash

When using the flash at a wide-angle zoom position, reflections from dust particles in the air may appear as bright spots in pictures. To reduce these reflections, set the flash to (Off) or zoom in on the subject.

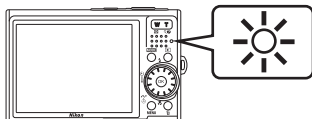
✎ The AF-assist Illuminator

If lighting is poor, the AF-assist illuminator may light to assist the focus operation when the shutter-release button is pressed halfway. The illuminator has a range of about 2 m (6 ft. 7 in.) at the maximum wide-angle position and 1.5 m (4 ft. 11 in.) at the maximum telescopic position. The AF-assist illuminator can be set to [Off] manually (115), although in this case the camera may not focus when lighting is poor.

✎ The Flash Lamp

The flash lamp indicates flash status when the shutter-release button is pressed halfway.

- **On:** Flash will fire when picture is taken.
- **Blinks:** Flash charging. Wait a few seconds and try again.
- **Off:** Flash will not fire when picture is taken.




✎ Red-Eye Reduction

The COOLPIX S50 is equipped with an advanced red-eye reduction system. Pre-flashes are fired several times at low intensity before the main flash to reduce “red-eye.” If the camera detects “red-eye” after a picture is taken, Nikon’s own In-Camera Red-Eye Fix processes the image as it is recorded. Therefore, there is a slight delay before the shutter-release button operates normally to take another picture.

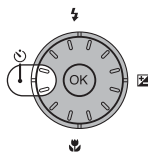
- Not recommended for when shutter-release timing is essential.
 - Red-eye reduction may not always produce the desired results.
 - In some rare cases, other portions of pictures may be affected.
- Use flash modes other than auto with red-eye reduction in above cases.

Taking Pictures with the Self-Timer

The camera is equipped with a ten-second and three-second timer for self-portraits. When using the self-timer, use of a tripod is recommended. Turn vibration reduction ( 114) off when using a tripod.

1 Press (self-timer).

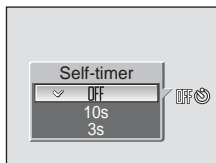
The self-timer menu is displayed.



2 Use the rotary multi selector to choose [10s] or [3s] and press .

[10s] (ten seconds): suited for important occasions (such as weddings)

[3s] (three seconds): suited for preventing camera shake

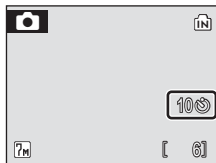


The mode selected for self-timer is displayed.

If a setting is not applied by pressing  within five seconds, the selection will be cancelled.

3 Frame the picture and press the shutter-release button halfway.

Focus and exposure will be set.

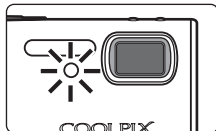
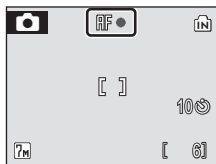


4 Press the shutter-release button the rest of the way down.

The self-timer starts and the self-timer lamp will blink. The lamp stops blinking one second before the photograph is taken and remains lit until the shutter is released.

The number of seconds remaining before the shutter is released is displayed in the monitor.

To stop the timer before a picture is taken, press the shutter-release button again.

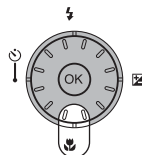


Macro Close-up Mode

Macro close-up mode is used for taking pictures of objects as close as 4 cm (1.6 in.). Note that the flash may be unable to light entire subject at distances of less than 30 cm (11.8 in.).

1 Press (macro close-up mode).


The macro close-up menu is displayed.



2 Use the rotary multi selector to choose [ON] and press .



The macro close-up mode icon () is displayed.

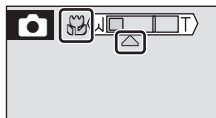
When [OFF] is selected, OFF is only displayed for five seconds.

The monitor will return to the normal display for the current mode if the setting is not applied by pressing  within five seconds.




3 Press **T** () or **W** () to frame the picture.

The camera can focus at a distance of 4 cm (1.6 in.) at the zoom position at which  glows green (the zoom indicator is positioned over .



4 Focus and shoot.

The macro close-up mode applied in  (auto) mode or high-sensitivity shooting mode is stored in the camera's memory even after the camera is turned off.




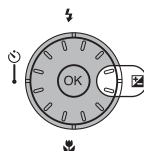
Macro Close-up Mode

In macro close-up mode, the camera focuses continuously, even when the shutter-release button is not pressed halfway to lock focus.

Exposure Compensation

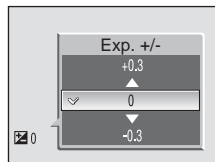
Exposure compensation is used to alter exposure from the value suggested by the camera to make pictures brighter or darker.

- 1 Press the rotary multi selector  (exposure compensation).






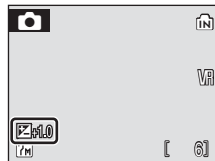
- 2 Use the rotary multi selector to adjust exposure.

- When the picture is too dark: adjust the exposure compensation to "+" side.
- When the picture is too bright: adjust the exposure compensation to "-" side.
- Exposure compensation can be set to values between -2.0 and +2.0 EV.



- 3 Press .

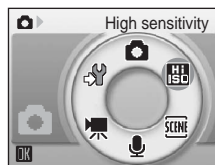
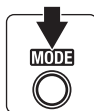
- The  icon is displayed in the monitor.
- The monitor will return to the normal display for the current mode if the setting is not applied by pressing  within five seconds.
- The exposure compensation applied in  mode or high-sensitivity shooting mode is stored in the camera's memory even after the camera is turned off.



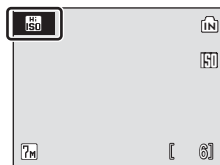
High-sensitivity Shooting Mode

In high-sensitivity shooting mode, sensitivity is increased with shooting under low lighting to reduce blurring caused by camera shake or subject movement, allowing you to capture the atmosphere of the scene. ISO sensitivity will be automatically increased to a maximum of 1600 depending upon the brightness of the subject.

- 1 Enter high-sensitivity shooting mode by pressing **MODE** in shooting mode, selecting **Hi ISO** (use the rotary multi selector), and then pressing **OK**.



- 2 Frame the subject and take the picture.



Notes on High-sensitivity Shooting Mode

- This mode reduces effects of camera shake even for shooting under low lighting; however, when shooting without the flash, use of a tripod is recommended. Turn vibration reduction (8 114) off when using a tripod.
- Pictures taken in this mode may become somewhat grainy.
- Focus may not be precisely fixed in extremely dark places.

High-sensitivity Shooting and Anti-shake Modes

Both high-sensitivity shooting mode and anti-shake mode (8 42) reduce blurring caused by camera shake and subject movement. However, high-sensitivity shooting mode is suited for shooting under low lighting. In some circumstances, disabling the flash may make it even easier to capture the true essence of the scene.

In high-sensitivity shooting mode, pressing **MENU** displays the high-sensitivity menu. The items available from this menu are the same as those available in the **☑** (auto) mode shooting menu (8 88), except that [ISO sensitivity] is not available in the high-sensitivity menu. Just as with **☑** (auto) mode, the flash, self-timer, macro close-up mode, and exposure compensation are available.

In anti-shake mode, vibration reduction (8 114) and BSS (8 95) are enabled to reduce blurring caused by camera shake or subject movement, and the flash is disabled. Sensitivity is set higher and shutter speed is faster than with **☑** (auto) mode under the same lighting conditions. This mode is suited to shooting under natural light when the camera is zoomed in.

Scene Modes

The camera offers a choice of 15 “scene” options. Camera settings are automatically optimized for the selected subject type.

Portrait	Beach/snow	Museum
Landscape	Sunset	Fireworks show
Sports	Dusk/dawn	Copy
Night portrait	Night landscape	Back light
Party/indoor	Close up	Panorama assist

- 1 Enter scene mode by pressing **MODE** in shooting mode, selecting **SCN** (use the rotary multi selector), and then pressing **OK**.



- 2 Press **MENU** to display the scene menu screen, and choose the desired scene and press **OK**.

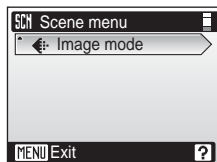


- 3 Frame the subject and take the picture.



Image Mode

[Image mode] (89) can be set in the scene menu. Changes made to these settings apply to all shooting modes.



Features

Portrait

Use this mode for portraits in which the main subject stands out clearly. Portrait subjects exhibit smooth, natural-looking skin tones.


- Camera focuses on subject in the center of the monitor.



* Other settings can be selected.

Landscape

Use this mode for vivid landscapes and cityscapes.


- Camera focuses at infinity. The focus indicator ( 24) always glows green when the shutter-release button is pressed halfway. Note, however, that objects in the foreground may not always be in focus.



* Other settings can be selected.

Sports











Use this mode for dynamic action shots that freeze the action in a single shot and record motion in a series of pictures.

- While the shutter-release button is pressed halfway, the camera focuses continuously until focus is acquired and locked.
- While shutter-release button is held down, pictures are taken at rate of about 1.6 frames per second (fps) when image mode is set to [ Normal (3072)].
- The maximum frame rate with continuous shooting may vary depending upon the current image mode setting and the memory card used.



* Other settings can be selected.

Icons Used For Descriptions

The following icons are used for descriptions in this section: , flash ( 28); , self-timer ( 30); , macro close-up ( 31); , exposure compensation ( 32); , AF-assist illumination ( 115).

Scene Modes

Night Portrait



Use this mode to achieve a natural balance between the main subject and background lighting in portraits taken at night.



	¹		Off ²		Off		0 ²		Auto ²
--	--------------	--	------------------	--	-----	--	----------------	--	-------------------

¹ Fill flash with slow sync and red-eye reduction.

² Other settings can be selected.

Party/indoor

Captures the effects of candlelight and other indoor background lighting.

- Camera focuses on subject in center of frame.
- Turn vibration reduction (114) off when using a tripod.



	¹		Off ²		Off		0 ²		Auto ²
--	--------------	--	------------------	--	-----	--	----------------	--	-------------------

¹ Fill flash with slow sync and red-eye reduction. Other settings can be selected.

² Other settings can be selected.

Beach/snow

Captures the brightness of such subjects as snowfields, beaches, or sunlit expanses of water.

- Camera focuses on subject in center of frame.



	*		Off*		Off*		0*		Auto*
--	---	--	------	--	------	--	----	--	-------

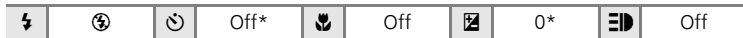
* Other settings can be selected.

Sunset



Preserves the deep hues seen in sunsets and sunrises.

- Camera focuses at infinity. When the shutter-release button is pressed halfway, the focus indicator (24) always lights; however, focus may not be set for near subjects, while the camera focuses at infinity.



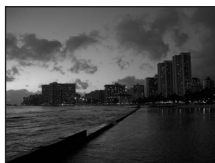
* Other settings can be selected.

Dusk/dawn



Preserves the colors seen in the weak natural light before sunrise or after sunset.

- Camera focuses at infinity. When the shutter-release button is pressed halfway, the focus indicator (24) always lights; however, focus may not be set for near subjects, while the camera focuses at infinity.



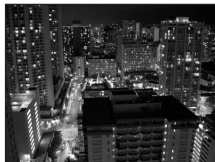
* Other settings can be selected.

Night landscape





Slow shutter speeds are used to produce stunning night landscapes.

- Camera focuses at infinity. When the shutter-release button is pressed halfway, the focus indicator (24) always lights; however, focus may not be set for near subjects, while the camera focuses at infinity.



* Other settings can be selected.

: For those scene modes with , use of a tripod is recommended. Turn vibration reduction (114) off when using a tripod.

Scene Modes

🌸 Close up

Photograph flowers, insects, and other small objects at close range.

- The camera can focus at distances as close as 4 cm (1.6 in.). Zoom is available when 🌸 is green.
- [AF area mode] is set to [Manual] (📷 97). Camera focuses on subject in applied focus area.
- While the shutter-release button is pressed halfway, the camera focuses continuously until focus is acquired and locked.
- Macro close-up shooting (📷 31) can be used for this option.
- Turn vibration reduction (📷 114) off when using a tripod.

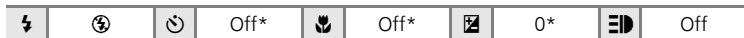


* Other settings can be selected.

🏛️ Museum

Use indoors where flash photography is prohibited (for example, in museums and art galleries) or in other settings in which you do not want to use the flash.

- Camera focuses on subject in center of frame.
- BSS (📷 95) turns on automatically.
- Turn vibration reduction (📷 114) off when using a tripod.



* Other settings can be selected.

🎆 Fireworks show



Slow shutter speeds are used to capture the expanding burst of light from a firework.

- Camera focuses at infinity. When the shutter-release button is pressed halfway, the focus indicator (📷 24) always lights; however, focus may not be set for near subjects, while the camera focuses at infinity.

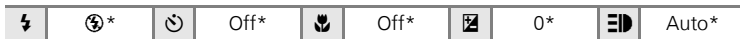
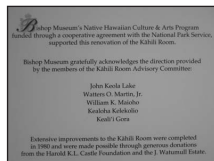


📷: For those scene modes with 📷, use of a tripod is recommended. Turn vibration reduction (📷 114) off when using a tripod.

Copy

Provides clear pictures of text or drawings on a white board or in print.

- Camera focuses on subject in center of frame.
- Use macro close-up mode (31) to focus at short ranges.
- Colored text and drawings may not show up well.



* Other settings can be selected.

Back light

Use when light is coming from behind your subject, throwing features or details into shadow. The flash fires automatically to "fill in" (illuminate) shadows.

- Camera focuses on subject in center of frame.



* Other settings can be selected.

☒ Panorama assist



Use when taking a series of pictures that will later be joined to form a single panorama using PictureProject.



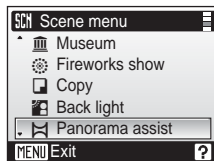
* Other settings can be selected.

Taking Pictures for a Panorama

The camera focuses on the subject in the center of the frame. Use a tripod for best results.

- 1 Use the rotary multi selector to choose [☒ Panorama assist] in the scene menu and press **OK**.

The yellow panorama direction icon (➤) is displayed to show the direction in which pictures will be joined.



- 2 Use the rotary multi selector to choose the direction and press **OK**.

Select how pictures will be joined together in the completed panorama; right (➤), left (➤), up (⬆), or down (⬆). The panorama direction icon (➤) is displayed to the direction pressed, and changes to white when **OK** is pressed. Apply flash (☒ 28), self-timer (☒ 30), macro close-up mode (☒ 31), and exposure compensation (☒ 32) settings with this step, if necessary. Press **OK** to reselect the direction.



- 3 Take the first picture.

The first picture is displayed in the first third of the monitor.



4 Take the second picture.

Compose the next picture so that it overlaps the first picture.

Repeat until you have taken the necessary number of pictures to complete the scene.









5 Press **OK** when shooting is completed.

The camera returns to step 2.



Panorama Assist

Flash mode (, 28), self-timer (, 30), macro close-up (, 31), and exposure compensation (, 32) settings cannot be adjusted after the first picture is taken. Pictures cannot be deleted, nor can zoom or image-mode setting (, 89) be adjusted until the series is finalized.

The panorama series is terminated if the camera enters standby mode with the auto off function (, 116) during shooting. Setting the time allowed to elapse before the auto off function is enabled to a longer setting is recommended.

Exposure Lock

PE-L (white) is displayed to indicate that white balance and exposure have been locked at the values set with the first shot. All pictures taken in a panorama series have the same exposure and white-balance settings.

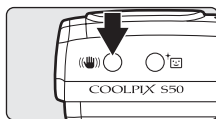


Shooting in Anti-shake Mode

In anti-shake mode, vibration reduction (📷 114) and BSS (📷 95) are enabled. In addition, ISO sensitivity is automatically raised to 1600 depending upon the brightness of the subject and shutter speed is faster than with 📷 (auto) mode, under the same lighting conditions, to reduce blurring caused by camera shake or subject movement. The flash is disabled. This mode is most effective when shooting under natural light. Combine it with the telephoto zoom when you are forced to shoot from a distance in order to capture a fleeting expression on a portrait subject or to photograph an animal without frightening it off.

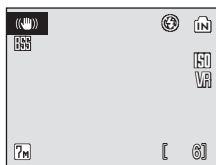
1 Press (👉).

The camera enters anti-shake mode. Press again to return to the shooting mode selected in the shooting-mode selection menu.



2 Frame the subject and take the picture.

While the shutter-release button is held down, camera takes shots to a maximum of ten, they are compared and sharpest picture (picture with highest level of detail) is saved.



✓ Notes on Anti-shake Mode

- Shutter speed is limited to a certain value for dark subjects.
- Use of the high-sensitivity shooting mode (📷 33) is recommended for shooting subjects under low lighting.
- Pictures taken in this mode may become somewhat grainy.



🔧 Anti-shake Mode Settings

Vibration reduction (📷 114) and BSS (📷 95) are enabled; the flash is disabled. The following items in the shooting menu are locked and cannot be adjusted: [White balance], [Auto]; [Continuous], [Single]; [Color options], [Standard color]; [Focus area], [Center]. Macro close-up mode and exposure compensation are available; the self-timer is not available.


📷 Image Mode in Anti-shake Mode


When **MENU** is pressed in anti-shake mode, a menu is displayed to enable adjustment of image mode (📷 89) settings. Changes made to these settings apply to all shooting modes.

Taking Pictures in the One-Touch Portrait Mode

For portrait shots, press  when the camera is in  (auto) mode, high-sensitivity shooting mode, scene mode, movie mode, and anti-shake mode.

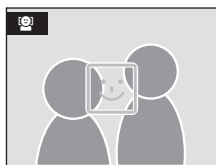
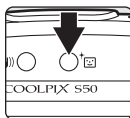
The following features are automatically activated:

- Portrait: The portrait subject stands out clearly.
- Face-priority AF: The camera automatically detects and focuses on faces.
- Advanced red-eye reduction: Reduces “red-eye” caused by the flash ( 29). Macro close-up is not available in one-touch portrait mode.

Press  again to return to the shooting mode selected in the shooting-mode selection menu.

1 Press (one-touch portrait mode).

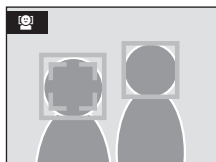
A yellow  guide is displayed.



2 Frame a picture using the guide.

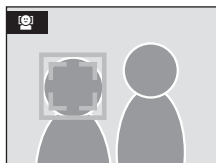
When the camera detects a face, the guide is displayed with a double yellow border.

When the camera detects more than one face, the closest face is framed by a double border and the rest by a single border. The camera focuses on the face framed by the double border and adjusts exposure accordingly. If the camera loses its ability to detect a face (for example, because the subject has looked away from the camera), borders are no longer displayed and monitor display returns to that shown in step 1.



3 Press the shutter-release button halfway.

Focus and exposure are set, and the double border glows green.



4 Press the shutter-release button the rest of the way down to take a picture.



The One-Touch Portrait Menu

Press **MENU** in one-touch portrait mode to display the one-touch portrait menu. In addition to image mode, portrait effects (reducing vividness of skin tones, softening overall image) can be set.



Image mode

Choose an image size and quality (89).



Portrait effect

Choose from [Normal], [Brighter] (reduces vividness of skin tones), and [Softer] (soft effect).



Face-Priority AF



- The camera's ability to detect faces depends on a variety of factors, including whether or not the subject is facing the camera.
- The camera focuses continuously until a face is detected.
- If the yellow double border blinks when the shutter-release button is pressed halfway, the camera was unable to focus. Release the button and try again.
- If no face is recognized when the shutter-release button is pressed halfway, the camera focuses on the center of the frame.
- The camera may be unable to detect faces in the following situations:
 - When faces are partially hidden by sunglasses or other obstructions
 - When faces take up too much or too little of the frame

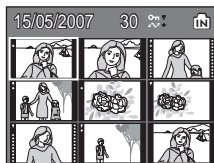














Settings for One-Touch Portrait Mode

- Flash: Changeable
- Self-timer: Available
- Macro close-up: Off
- Exposure compensation: Available

Viewing Multiple Pictures: Thumbnail Playback

Press **W** () in full-frame playback ( 26) to display pictures in “contact sheets” of thumbnail images. The following operations can be performed while thumbnails are displayed:

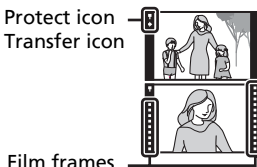


To	Use	Description	
Choose pictures		Use the rotary multi selector to choose pictures.	9
Change number of pictures displayed		When W () is pressed, display picture thumbnails in the following order: 9 → 16 → 25 When T () is pressed, the number of thumbnails changes reversely.	—
Cancel thumbnail playback		Press  to cancel thumbnail playback and return to full-screen playback.	26
D-Lighting		Press  to enhance brightness and contrast in dark portions of pictures.	49
Switch to shooting mode	 	Press  or the shutter-release button to return to the last shooting mode selected.	26

9-picture Thumbnail Playback Mode Display

When protected pictures and pictures selected for transfer are displayed in 9-picture thumbnail playback mode, the icons shown at right are displayed with them. Movies are displayed as film frames. Icons are not displayed with protected pictures or pictures selected for transfer in 16- or 25-picture thumbnail playback modes.

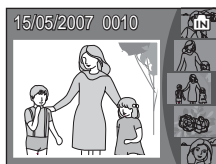
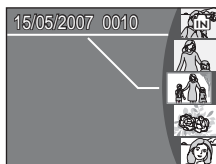
 : Protect icon
 : Transfer icon



Film frames

Viewing Multiple Pictures: Thumbnail Wheel Playback

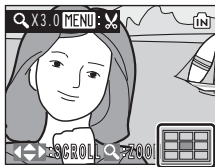
Rotate the rotary multi selector in full-frame playback (📷 26) to display the thumbnail wheel. The thumbnail wheel is displayed at the right of the monitor. When a thumbnail is selected, the thumbnail is displayed at the left of the monitor. The following operations can be performed while thumbnail wheel is displayed:



To	Use	Description	📷
Choose pictures		Rotate the rotary multi selector, or press the rotary multi selector ▲▼, to choose pictures.	9
Cancel thumbnail playback	T (Q)	Press or T (Q) to cancel thumbnail playback and return to full-screen playback.	26
D-Lighting		Press to enhance brightness and contrast in dark portions of pictures.	49
Switch to shooting mode		Press or the shutter-release button to return to the last shooting mode selected.	26

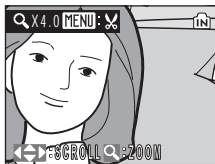
Taking a Closer Look: Playback Zoom




Pressing **T** (Q) during full-frame playback (26) zooms the current picture in 3x, with the center of the picture displayed in the monitor (Quick Playback Zoom).



The guide at lower right shows which portion of the picture is enlarged. Change the portion of the picture displayed by pressing the rotary multi selector **▲**, **▼**, **◀**, or **▶**.

Use the zoom buttons with quick playback zoom to enlarge pictures to the desired magnification ratio. While the image is zoomed in, the zoom ratio is displayed in the monitor. The following operations can be performed while pictures are zoomed in:



To	Use	Description	
Zoom in	T (Q)	Zoom increases each time T (Q) is pressed, to a maximum of 10x.	–
Zoom out	W (Q)	Zoom decreases each time W (Q) is pressed. When the magnification ratio reaches 1x, the display returns to full-frame playback.	–
View other areas of picture		Press the rotary multi selector ▲ , ▼ , ◀ , or ▶ to scroll to areas of the picture not visible in the monitor.	9
Switch to full-frame playback	OK	Press OK to cancel playback zoom and return to full-screen playback.	26
Crop picture	MENU	Press MENU to crop current picture to contain only the portion visible in the monitor.	50
Switch to shoot-ing mode	 	Press  or the shutter-release button to return to the last shooting mode selected.	26

Editing Pictures

Use the COOLPIX S50 to edit pictures in-camera and store them as separate files (📷 123). The editing features described below are available.

Editing function	Description
D-Lighting	Create a copy of the current picture with enhanced brightness and contrast, brightening dark portions of the picture.
Crop	Enlarge the image or refine the composition and create a copy containing only the portion visible in the monitor.
Small picture	Create a small copy of pictures suitable for use on web pages or as e-mail attachments.

Picture Editing

- Pictures taken at an image mode setting of [16:9] (📷 89) can not be edited.
- The COOLPIX S50 editing functions may not be available for pictures taken with non-COOLPIX S50 digital cameras.
- If a copy created using the COOLPIX S50 is viewed on a different digital camera, the picture may not be displayed or may not be transferred to a computer.
- Editing functions are not available when there is not enough free space in the internal memory or on the memory card.

Restrictions on Picture Editing

(✓: available, -: not available)

1st editing	2nd editing		
	D-Lighting	Crop	Small picture
D-Lighting	-	✓	✓
Crop	-	-	-
Small picture	-	-	-

- Pictures cannot be edited twice with the same editing function.
- The D-Lighting should be done first while the restricted use of combination exists.

Original Pictures and Edited

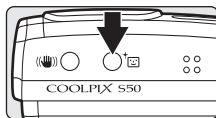
- Copies created with editing functions are not deleted if the original pictures are deleted. The original pictures are not deleted if copies created with editing functions are deleted.
- Edited copies are stored with the same recording date and time as the original.
- Edited copies have the same transfer marking (📷 103) as the original but are not marked for printing (📷 85) or protecting (📷 102).

Enhancing Brightness and Contrast: D-Lighting

D-Lighting can be used to create copies with enhanced brightness and contrast, brightening dark portions of a picture. Enhanced copies are stored as separate files.

- 1 Select the desired picture from full-frame (📷 26), thumbnail (📷 45), or thumbnail wheel (📷 46) playback and press **+ [D-Lighting]**.

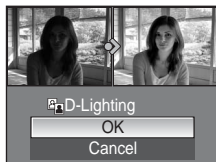
The results of D-Lighting enhancement can be confirmed in the monitor.




- 2 Use the rotary multi selector to choose [OK] and press **OK**.

A new copy with enhanced brightness and contrast is created.

To cancel D-Lighting, choose [Cancel] and press **OK**.




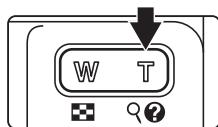
D-Lighting copies can be recognized by the  icon displayed during playback.



Creating a Cropped Copy: Crop





This function is only available when **MENU**: is displayed in the monitor with playback zoom ( 47) enabled. Cropped copies are stored as separate files.

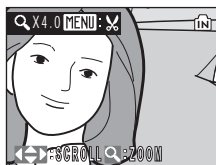
- 1 Press **T** () to zoom in on the image.



- 2 Refine copy composition.

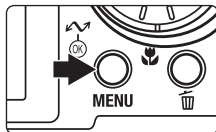
Press **T** or **W** to adjust the zoom ratio.

Press the rotary multi selector , , , or  to scroll the picture until only the portion you want to copy is visible in the monitor.



- 3 Press **MENU**.

The confirmation dialog will be displayed.












- 4 Use the rotary multi selector to choose [Yes] and press **OK**.

A new picture, containing only the portion visible in the monitor, is created.









Depending on the size of the original picture and the zoom ratio in effect at the time the copy was created, the camera will automatically select one of the following image-mode settings for cropped copies (unit: pixels).

- | | | |
|---|---|---|
| •  2,592 × 1,944 | •  2,272 × 1,704 | •  2,048 × 1,536 |
| •  1,600 × 1,200 | •  1,280 × 960 | •  1,024 × 768 |
| •  640 × 480 | •  320 × 240 | •  160 × 120 |

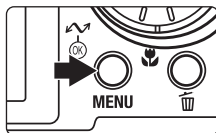
Resizing Pictures: Small Picture

Create a small copy of the current picture. Small copies are stored as JPEG files with a compression ratio of 1:16. The following sizes are available.

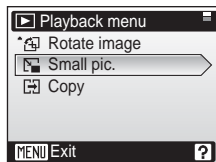
Option	Description
 640×480	Suited to television playback.
 320×240	Suited to display on web pages.
 160×120	Suitable for e-mail attachments.

- 1 Select the desired picture from full-frame ( 26), thumbnail ( 45), or thumbnail wheel ( 46) playback mode and press **MENU**.

The playback menu is displayed.



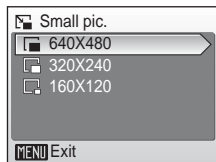
- 2 Use the rotary multi selector to choose [Small pic.] and press **OK**.



- 3 Choose the desired copy size and press **OK**.

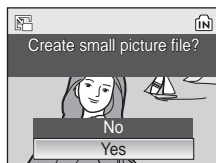
A confirmation dialog will be displayed.

To cancel, press **MENU**.





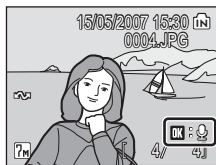
- 4 Choose [Yes] and press **OK**.

A new, smaller copy is created.





Voice Memos: Recording and Playback


Use the camera's built-in microphone to record voice memos for pictures marked with  in full-frame playback ( 26).

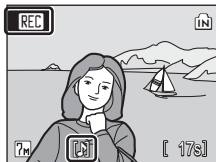


Recording Voice Memos



A voice memo, up to 20 seconds in length, will be recorded while  is pressed down.





Recording ends after about 20 seconds or when  is released.

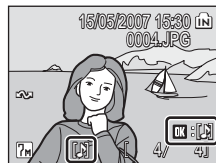
- Do not touch the built-in microphone during recording.
- During recording, **REC** and  blink in the monitor display.






Playing Voice Memos

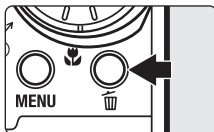
Press  while a picture is displayed in full-frame playback to play voice memo. Playback ends when the voice memo ends or  is pressed again.

- Pictures with voice memos can be recognized by the  and  icons.
- Use the zoom buttons to adjust playback volume. Press **W** () to lower volume, or **T** () to raise volume.




Deleting Voice Memos

Select a picture with a voice memo and press . Use the rotary multi selector to choose  and press . Only the voice memo will be deleted.




Voice Memos

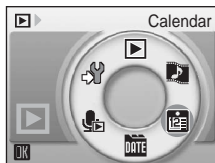
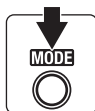
- Voice memos are assigned the picture file name they are attached to with the three-letter extension ".WAV" (e.g., DSCN0015.WAV) ( 123).
- If a voice memo already exists for the current picture, it must be deleted before a new voice memo can be recorded.
- The COOLPIX S50 may be not able to attach a voice memo to pictures recorded by other cameras.

Viewing Pictures by Date

In calendar mode or list by date mode, pictures taken on a specified date can be displayed. When **MENU** is pressed, the calendar menu or the list by date menu is displayed, and all pictures taken on a specified date can be selected for deletion, printing, protection, and transfer.



Selecting a Date in Calendar Mode

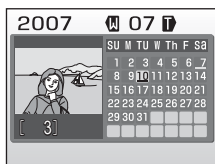
- 1 Enter calendar mode by pressing **MODE** in playback mode, selecting  (use the rotary multi selector), and then pressing **OK**.




- 2 Choose the desired date and press **OK**.

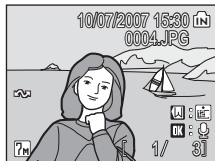
Dates for which pictures exist are underlined in yellow.

Press **W** () to view previous month, press **T** () to view following month.



The first picture for that date will be displayed full-frame.

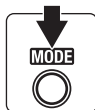
Press **W** () in full-frame playback to return to calendar mode.



Selecting a Date in List by Date Mode

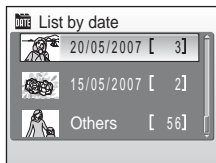
- 1 Enter list by date mode by pressing **MODE** in playback mode, selecting **DATE** (use the rotary multi selector), and then pressing **OK**.

Dates for which pictures exist will be listed.



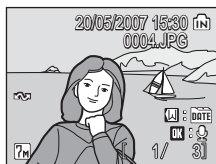
- 2 Choose the desired date and press **OK**.

Camera lists up to 29 dates. If pictures exist for more than 29 dates, all pictures recorded earlier than most recent 29 dates will be listed together as [Others].














The first picture for that date will be displayed full-frame.

Press **W** () in full-frame playback to return to the date list.



Using Calendar Mode and List by Date Mode






To	Use	Description	
Select date		Use the rotary multi selector to select a date.	–
Select month (calendar mode only)		Press W () to view previous month, press T () to view following month.	–
Switch to full-frame playback		Press OK to display the first picture taken on the selected date. Press W () in full-frame playback to return to the calendar or list by date mode selected before viewing in full-frame playback.	27
Delete picture		Press  after selecting a date, and a confirmation dialog will be displayed. Choose [Yes] and press OK to delete all pictures taken on the selected date.	26
View calendar or list by date menu	MENU	Press MENU to display the calendar or list by date menu.	56
View playback mode menu	MODE	Press MODE to display the playback-mode selection menu.	8
Switch to shooting mode		Press  to return to the last shooting mode selected.	26

Notes on Calendar Mode and List by Date Mode

- Up to 9,000 pictures can be registered in calendar mode or in list by date mode. If more pictures exist, “*” is displayed next to the number.
- Pictures taken with no date stamp are not listed in these modes.

Calendar and List by Date Menus

Press **MENU** in either mode to display the following menus for only the pictures taken on the specified date.

Print set	 85
Slide show	 101
Delete	 102
Protect	 102
Transfer marking	 103
Rotate image*	 103
Small picture*	 51

* During full-frame playback only

The procedure for selecting pictures in calendar or date list playback differs from that in full-frame playback as follows:

- In calendar or date list playback, the options apply to all pictures taken on the currently selected date.
- In full-frame playback, although the options apply only to the picture currently displayed full frame, other pictures taken on the same date can be selected.

Print Set and Transfer Marking

When print or transfer marking already exists for pictures taken on dates other than that specified, a confirmation dialog [Save print marking for other dates?] or [Save transfer marking for other dates?] will be displayed. Select [Yes] to add the new print or transfer marking to the existing marking. Select [No] to remove the existing print or transfer marking and leave only the new marking.

Pictmotion by muvee


Pictmotion* creates slide show movies with custom transitions and background music.

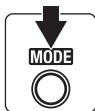
It is only available when a memory card is inserted in the camera.

* Pictmotion is powered by muvee Technologies.

Creating a Pictmotion Movie

This section describes the easiest way to create a Pictmotion movie.

- 1 Enter Pictmotion mode by pressing **MODE** in playback mode, selecting  (use the rotary multi selector), and then pressing **OK**.



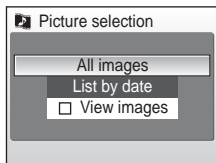
- 2 Choose  and press **OK**.



- 3 Choose [All images] and press **OK**.

A Pictmotion movie using the 30 most recent pictures (default setting) will be created.

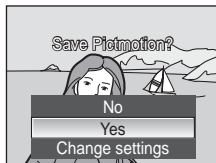
After the created Pictmotion movie is automatically played back, a confirmation dialog will be displayed.



- 4 Choose [Yes] and press **OK**.

The Pictmotion movie is saved and the monitor display returns to that shown in step 2. An icon for the saved movie will be displayed in the monitor.

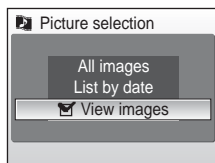
Settings for saved Pictmotion movies cannot be changed. If you wish to change the settings, delete the Pictmotion movie and create a new Pictmotion movie with the desired settings.



Creating a Custom Pictmotion Movie

- 1 Use the rotary multi selector to choose [View images] in the picture selection screen (☒ 57, step 3) and press **OK**.

The check box is selected (✓).



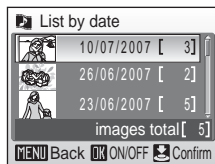
- 2 Choose [All images] or [List by date] and press **OK**.

[All images]: Proceed to step 4

[List by date]: Proceed to step 3

- 3 Select a date.

- Press **OK** to select a date in the list by date screen (✓). Press **OK** again to cancel the selection.
- Multiple dates can be selected.
- Press the shutter-release button to finalize date selection.



- 4 Choose pictures.

If [All images] is selected in step 2, all pictures will be displayed. If [List by date] is selected, only pictures taken on the date selected in step 3 will be displayed. Rotate the rotary multi selector to choose pictures, and press the rotary multi selector **▲** or **▼** to select pictures (up to 200) in the select image screen (✓). Remove chosen pictures from the selection by highlighting them and pressing the rotary multi selector **▲** or **▼** a second time.

Press **T** (Q) to view selected picture full-frame; press **W** (☒) to return to thumbnail display.

Press **OK** to finalize picture selection.

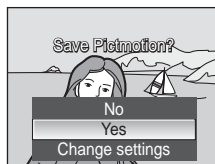
After the created Pictmotion movie is automatically played back, a confirmation dialog will be displayed.



[List by date]

- 5 Choose [Yes] and press **OK**.

The Pictmotion movie is saved.



✓ Notes on Pictmotion

- Pictmotion supports both still pictures and movie files (up to five); note, however, that in the case of movies only a small portion selected from the first 60 seconds of each movie will be included.
- The current memory card holds up to 20 Pictmotion movies. If the current memory card holds 20 Pictmotion movies, delete unnecessary movies before creating new movies.
- The pictures in a Pictmotion movie are automatically protected when the movie is saved (ⓧ 102).

📷 PictureProject (Windows only)

The Windows version of the supplied PictureProject software can be used to transfer Pictmotion movies to a computer for viewing and to copy up to ten ten-minute user-defined music tracks to a memory card inserted in the camera; see the *PictureProject Reference Manual* (on CD) for details.

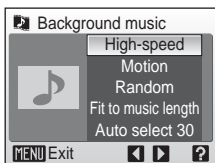
🗑️ Deleting Pictmotion Movies

To delete a Pictmotion movie, choose the desired movie file in the Pictmotion menu (ⓧ 57, step 2), and press \square . Protection (ⓧ 102) is not removed when the Pictmotion is deleted.

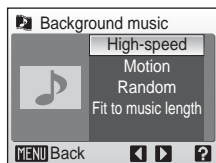
Other Options for Pictmotion Movies

Pressing **MENU** in the Pictmotion screen (ⓧ 57, step 2) displays the Pictmotion settings screen, where the options described below (① to ⑤) can be specified. Selecting [Change settings] in the save confirmation dialog (ⓧ 57, step 4) displays the change settings screen, where the options described below (except ⑤) can be specified.

Pictmotion settings screen



Change settings screen



① Background Music

Rotate the rotary multi selector to display [Background music] and press the rotary multi selector \blacktriangleright . Choose from five preset music tracks and ten user-defined music tracks. Preset music tracks include [High-speed] (default setting), [Emotional], [Natural], [Up-tempo], and [Relaxed].

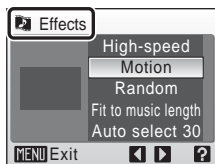
- Preset tracks can be played back by pressing **T** (Q). User-defined music tracks cannot be played back.
- Music tracks from a computer will be added to the user-defined music track list. Names of the tracks are displayed in the list only when transferred from a computer.



② Effects

Rotate the rotary multi selector to display [Effects] and press the rotary multi selector ►. Choose from [Motion] (default setting), [Moody], [Pro-slow], [Pro-fast], and [Classic].

- Press **T** (Q) to preview selected style on the left side of the monitor.

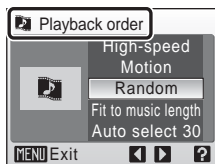


③ Playback Order

Rotate the rotary multi selector to display [Playback order], and press the rotary multi selector ►. Choose [Random] (default setting) or [Play in order].

Random: Play back pictures in random order.

Play in order: Play back pictures in order recorded.



④ Playback duration

Rotate the rotary multi selector to display [Playback duration], and press the rotary multi selector ►. Choose [Fit to music length] (default setting) or [Show all images].

Fit to music length: Play background track once, repeating or omitting pictures as necessary.

Show all images: Repeat background track until all pictures have been played at least once.



⑤ Selected Images


Rotate the rotary multi selector to display [Select images] and press the rotary multi selector ►.

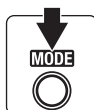
Choose from [Auto select 30] (default setting), [Auto select 50], [Auto select 100], [Auto select 200], or [No auto select].

For example, if [Auto select 30] is selected, the last 30 pictures are chosen for the Pictmotion movie. This number can be changed, however, when creating a customized Pictmotion movie. When [View images] is selected in the picture selection screen (ⓧ 58, step1), the number of pictures chosen in step 4 will be used.



Viewing Pictmotion Movies

- 1 Enter Pictmotion playback mode by pressing **MODE** in playback mode, selecting  (use the rotary multi selector), and then pressing **OK**.



- 2 Use the rotary multi selector to choose the desired Pictmotion movie and press **OK**.



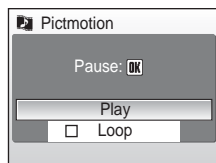
- 3 Choose **[Play]** and press **OK**.

Playback starts.

If **[Loop]** is selected, the movie will repeat automatically. To select or deselect **[Loop]**, choose **[Loop]** and press **OK**.

Zoom buttons control volume.

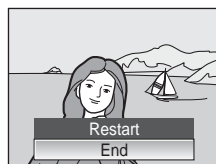
To pause the movie, press **OK** during playback.



- 4 Choose **[End]** and press **OK**.

Monitor returns to that shown in step 2.

To resume playback, choose **[Restart]** and press **OK**.




Pictmotion Playback

The COOLPIX S50 cannot play Pictmotion movies created with another make of camera.

Recording Movies

To shoot movies with sound recorded via the built-in microphone, select shooting mode and follow the steps below.

- 1 Enter movie mode by pressing **MODE** in shooting mode, selecting  (use the rotary multi-selector), and then pressing **OK**.

Exposure count display shows maximum total length of movie that can be recorded.



- 2 Press the shutter-release button all the way down to start recording.





A progress bar at the bottom of the monitor shows the amount of recording time remaining.

To end recording, press the shutter-release button all the way down a second time.


Recording will automatically stop if the internal memory or memory card becomes full.



Recording Movies

- Flash () 28) and exposure compensation () 32) can only be used for time-lapse and stop-motion movies. Macro close-up mode () 31) is available in all modes. Self-timer () 30) cannot be used.
- Digital zoom (up to 2×) can be applied while movies are being recorded. Adjust optical zoom before beginning recording.

Changing Movie Settings

Movie options or auto-focus mode can be changed () 63).

The Movie Menu

Press **MENU** in movie mode to display the movie menu.



Movie options

64

Choose type of movie that will be recorded.









Auto-focus mode

67

Choose how camera focuses in movie mode.

Selecting Movie Options

The movie menu offers the options shown below.

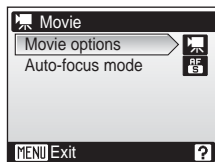
Option	Image size and frame rate	Maximum movie length/ frames*	
		Internal memory (approx. 13 MB)	Memory card (256 MB)
 TV movie 640★	Image size: 640 × 480 pixels Frame rate: 30 frames per second	8 sec.	2 min. 50 sec.
 Pictmotion 640	Recording automatically stops after 60 seconds. Suited for Pict- motion movies (📷 57). Image size: 640 × 480 pixels Frame rate: 10 frames per second	16 sec.	1 min.
 Small size 320★ (default setting)	Image size: 320 × 240 pixels Frame rate: 30 frames per second	20 sec.	6 min. 30 sec.
 Smaller size 160	Image size: 160 × 120 pixels Frame rate: 15 frames per second	2 min. 43 sec.	52 min.
 Time-lapse movie★	The camera automatically takes pictures at intervals and joins them into a silent movie (📷 65). Image size: 640 × 480 pixels Frame rate: 30 frames per second	240 frames	1,800 frames
 Stop-motion movie	Pictures can be taken and joined into a silent movie (📷 66). Image size: 640 × 480 pixels Frame rate for playback: choose from five, ten, or 15 frames per second	265, 260, or 255 frames (when frame rate for play- back is set to [5 fps], [10 fps], or [15 fps] respectively)	1,800 frames

* Movies can be as long as free space in the internal memory or on the memory card allows. All figures are approximate. Maximum movie length or frames varies with make of memory card.

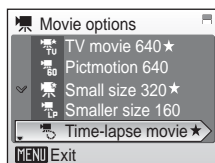
Time-Lapse Movies

Record flowers opening or butterflies emerging from cocoons.

- 1 Use the rotary multi selector to choose [Movie options] and press **OK**.

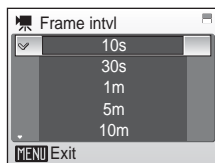


- 2 Choose [Time-lapse movie★] and press **OK**.



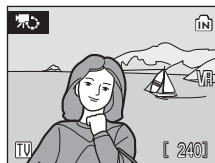
- 3 Choose the interval between shots and press **OK**.

Choose from intervals between ten seconds and 60 minutes.



- 4 Press **MENU**.

The camera returns to shooting mode.



- 5 Press the shutter-release button all the way down to start recording.

Monitor turns off and power-on lamp blinks between shots.

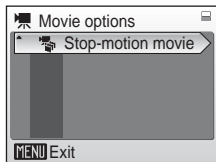
Monitor reactivates automatically for the next shot.

- 6 Press the shutter-release button all the way down a second time to end recording.

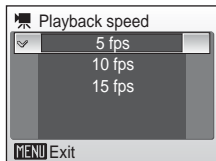
Recording will automatically stop if the internal memory or memory card becomes full, or when 1,800 frames have been recorded. A 1,800-frame movie has a play-back time of 60 seconds.

Stop-Motion Movies

- 1 Use the rotary multi selector to choose [Movie options] > [Stop-motion movie] and press **OK**.



- 2 Choose [Playback speed] and press **OK**.



- 3 Press **MENU**.

The camera returns to shooting mode.

- 4 Press the shutter-release button to record the first frame.

The recorded picture will be superimposed on the view through the lens.

- 5 Press the shutter-release button to record the second frame.

Use the frame superimposed in the camera monitor as a guide for recording consecutive frames.

The monitor turns off automatically with the auto off function (📷 116) if no operations are performed for 30 minutes, and recording ends.

- 6 Press **OK** to end recording.



Recording will automatically stop if the internal memory or memory card becomes full, or when 1,800 frames have been recorded.

✓ Time-Lapse Movie and Stop-Motion Movie

- Flash mode (📷 28), macro close-up mode (📷 31), and exposure compensation (📷 32) cannot be adjusted after the first picture is taken. Apply the appropriate settings before shooting begins.
- To prevent the camera from turning off unexpectedly during recording, use a fully charged battery.
- To power the camera continuously for extended periods, use an AC Adapter EH-64 (available separately from Nikon) (📷 122). **Do not, under any circumstances, use another make or model of AC adapter.** Failure to observe this precaution could result in overheating or in damage to the camera.

Auto-Focus Mode


Choose how the camera focuses in movie mode.

Option	Description
 Single AF (default setting)	Camera focuses when shutter-release button is pressed half-way and locks at this position during shooting.
 Full-time AF	Camera focuses continuously until focus is acquired and locked. To prevent sound of camera focusing from interfering with recording, use of [Single AF] is recommended.



Movie File Names and Folder Names

See “Image/Sound File and Folder Names” (123).



Movie Playback

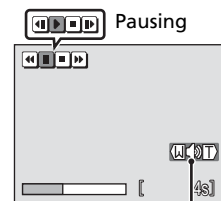
In full-frame playback (F26), movies are recognized by the  icon. To play a movie, display it in full-frame playback and press **OK**.











Use the zoom buttons to adjust playback volume. Press **W** () to lower volume, or **T** () to raise volume.

Rotate the rotary multi selector to advance or rewind the movie.




Playback controls appear at the top of the monitor. Press the rotary multi selector  or  to choose a control, then press **OK** to perform the selected operation. The following operations are available:

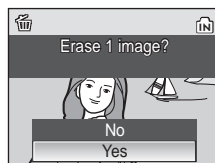


Volume indicator
During playback

To	Press	Description
Rewind		Rewind movie. Playback resumes when OK is released.
Advance		Advance movie. Playback resumes when OK is released.
Pause		Pause playback. While paused, use the rotary multi selector to advance or rewind the movie. The following operations can be performed while playback is paused.
		 Rewind movie by one frame. Rewind continues while OK is pressed.
		 Advance movie by one frame. Advance continues while OK is pressed.
		 Resume playback.
		End playback and return to full-frame playback.
End		End playback and return to full-frame playback.


Deleting Movie Files

Press  during movie playback, when displayed in full-frame playback (F26), or when selected in thumbnail () or thumbnail wheel () playback. A confirmation dialog is displayed. Choose [Yes] and press **OK** to delete the movie, or choose [No] and press **OK** to return to the normal playback display without deleting the movie.



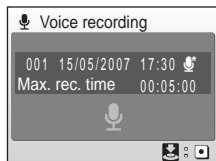
Making Voice Recordings

Audio voice recordings can be recorded over the built-in microphone and played back over the built-in speaker.

- 1 Enter voice recording mode by pressing **MODE** in shooting mode, selecting  (use the rotary multi selector), and then pressing **OK**.

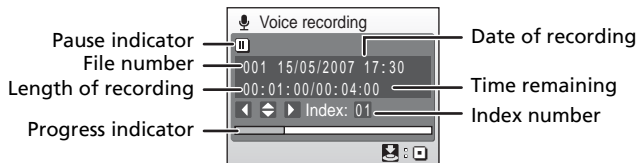


The length of recording that can be made will be displayed.



- 2 Press the shutter-release button all the way down to start recording.


The indicator lamp lights during recording. After about 30 seconds, the camera's auto off function is enabled and the monitor turns off.






- 3 Press the shutter-release button all the way down a second time to end recording.

Recording will end automatically if the internal memory or memory card becomes full, or after five hours of recording on the memory card.



Operations During Recording

The following operations are available during recording. If the monitor has turned off, press  to reactivate.

To	Press	Description
Pause/resume recording		Press once to pause recording; indicator lamp will blink.
Create index		During recording, press the rotary multi selector to create index. Camera can skip to any index during playback. Start of recording is index number 1; other numbers are assigned in ascending order, to a maximum of 98.
End recording		Press the shutter-release button all the way down a second time to end recording.

Sound Quality

Press **MENU** in voice recording mode to display the following sound quality options. Choose the sound quality for the recording.


Option	Description	Maximum movie length*	
		Internal memory (approx. 13 MB)	Memory card (256 MB)
 Normal	Suited for longer recordings.	26 min. 30 sec.	5 hours
 High (default setting)	Record with high quality sound.	9 min. 38 sec.	3 hours 4 min.

* Movies can be as long as free space in the internal memory or on the memory card allows (up to five hours). All figures are approximate. Maximum movie length varies with make of memory card.

Voice Recordings

- PictureProject cannot be used to transfer or play voice recordings. Select [Interface] > [Mass storage] for [USB], copy the files manually.
- The copied files can be played back using QuickTime or any other WAV-compatible audio player.
- Note that index points created with the camera cannot be used when voice recordings are played back on computers.

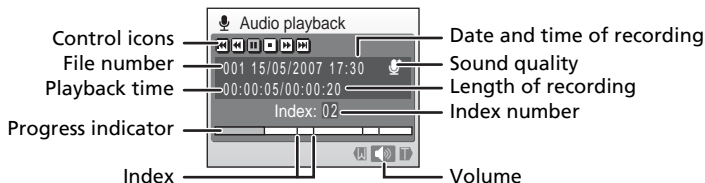
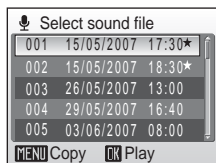
Playing Voice Recordings

- 1 Enter audio playback mode by pressing **MODE** in playback mode, selecting  (use the rotary multi selector), and then pressing **OK**.



- 2 Choose the desired file and press **OK**.

The selected file will be played back.



Operations During Playback

Use the zoom buttons to adjust playback volume. Press **W** (◻) to lower volume, or **T** (Q) to raise volume.

Rotate the rotary multi selector to advance or rewind the voice recording.

Playback controls appear at the top of the monitor. Press the rotary multi selector ◀ or ▶ to choose a control, then press **OK** to perform the selected operation. The following operations are available:

To	Press	Description
Rewind	◀◀	Rewind voice recording. Playback resumes when OK is released.
Advance	▶▶	Advance voice recording. Playback resumes when OK is released.
Skip to previous index	◀	Skip to previous index.
Skip to next index	▶	Skip to next index.
Pause	⏸	Pause playback.
	▶	The following operations can be performed while playback is paused. Resume playback.
	◻	End playback and return to the sound file selection screen.
End	◻	End playback and return to the sound file selection screen.



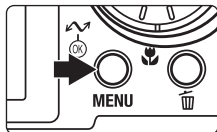
Deleting Sound Files

Press **⏻** during playback or after selecting a sound file (use the rotary multi selector). A confirmation dialog will be displayed. To delete the file, choose [Yes] and press **OK**. To cancel deletion, choose [No] and press **OK**.



Copying Voice Recordings



Copy voice recordings between the internal memory and a memory card. This option is available only when a memory card is inserted.

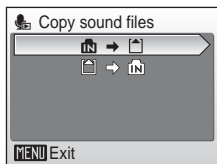
- 1** Press **MENU** in the select sound file screen (71, step 2).



- 2** Use the rotary multi selector to choose the option and press **OK**.

 : Copy recordings from internal memory to memory card

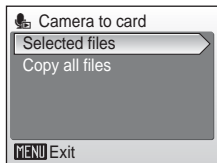
 : Copy recordings from memory card to internal memory





- 3** Choose the copy option and press **OK**.

[Selected files]: Proceed to step 4

[Copy all files]: Proceed to step 5

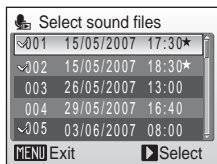


- 4** Choose the desired file.

Press the rotary multi selector  to select the file (✓). Press the rotary multi selector  again to cancel the selection.

- Multiple files can be selected.
- Press **OK** to finalize file selection.

A confirmation dialog will be displayed.




- 5** Choose [Yes] and press **OK**.

Copying starts.

Voice Recordings

The COOLPIX S50 may be unable to play or copy sound files created with another make of camera.

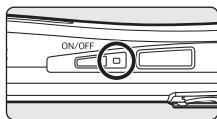
[No sound file.] Message

If there are no sound files stored on the memory card when  is selected (71, step1), the message, [No sound file.], will be displayed. Press **MENU** to display the copy sound files screen, and copy the sound files stored in the camera's internal memory to the memory card.

Connecting to a TV

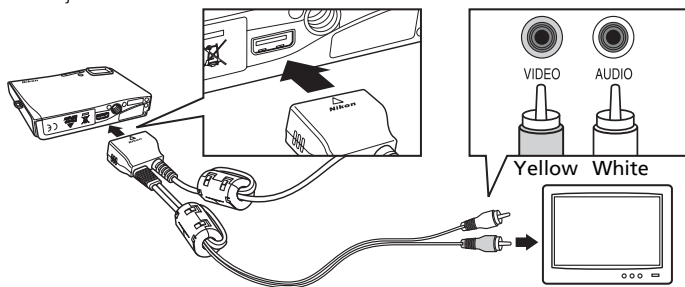
Connect the camera to a television using the supplied audio video/USB cable to play back pictures on the television.

1 Turn off the camera.



2 Connect the camera to the TV using the supplied audio video/USB cable.

Connect the yellow plug to the video-in jack on the TV, and the white plug to the audio-in jack.



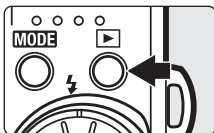
3 Tune the television to the video channel.

See the documentation provided with your television for details.

4 Hold down to turn on the camera.

The camera enters playback mode, and the pictures taken will be displayed on the television.



While connected to the TV, the camera monitor will remain off.



Connecting an Audio Video/USB Cable

- When connecting the audio video/USB cable, be sure that the camera connector is oriented correctly. Do not use force when connecting the audio video/USB cable to the camera. When disconnecting the audio video/USB cable, do not pull the connector at an angle.
- When connecting to a TV, do not use the audio video/USB cable's USB connector. If the USB connector is inserted in a computer or printer's USB port, be sure to disconnect it.

Video Mode

Be sure that the camera's video mode setting conforms to the standard used by your television. The video mode setting is an option set in the setup menu ( 105) > [Interface] ( 118) > [Video mode].

Connecting to a Computer

Use the supplied audio video/USB cable to connect the camera to a computer, and copy (transfer) pictures to a computer with the supplied PictureProject software.


Before Connecting the Camera

Installing PictureProject


Before transferring pictures or movies to a computer, PictureProject must be installed. For more information on installing and using PictureProject, see the *Quick Start Guide* or the *PictureProject Reference Manual* (on CD).

Confirming USB Option

The following two methods can be used to transfer pictures from the camera to a computer:



- Click [Transfer] in PictureProject.
- Press  (OK) on the camera.

The method used will depend on your computer's operating system and the USB option selected in the camera's setup menu.

Operating system ¹	USB mode ²	
	 (OK) on the camera ³	[Transfer] in PictureProject
Windows Vista (32-bit HomeBasic/ HomePremium/Business/Enterprise/ Ultimate editions)	Choose [Mass storage].	Choose [PTP] or [Mass storage].
Windows XP (Home Edition/Professional)	Choose [PTP] or [Mass storage].	
Windows 2000 Professional ⁴	Choose [Mass storage].	
Mac OS X (Version 10.3.9, 10.4.x)	Choose [PTP].	Choose [PTP] or [Mass storage].

¹ Refer to the Nikon website for the latest information on operating system compatibility.

² This camera supports the USB options, [PTP] (default setting) and [Mass storage].

³ The camera's  (OK) button cannot be used to transfer pictures when the memory card write-protect switch is in the "lock" position. Use [Transfer] in PictureProject. To use  (OK) on the camera, unlock by sliding the switch to the "write" position before transferring pictures.

⁴ If your computer is running Windows 2000 Professional, be sure to set the USB option to [Mass storage]. If [PTP] is selected, the [Found New Hardware Wizard] will be displayed when the camera is connected to the computer. Select [Cancel], close the window, and disconnect the camera from the computer.


Note on Power Source

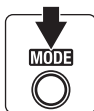
When connecting the camera to a computer, use a fully charged battery to prevent the camera from turning off unexpectedly.

Connecting to a Computer

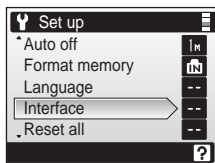
Setting the USB Option

Set the USB option in the setup menu (75) on the camera before connecting the camera to a computer or printer.

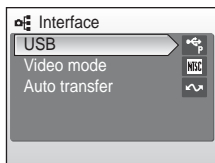
- 1 Display the setup menu by pressing **MODE** in playback or shooting mode, selecting  (use the rotary multi selector), and then pressing **OK**.



- 2 Choose [Interface] and press **OK**.



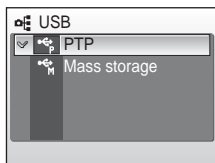
- 3 Choose [USB] and press **OK**.



- 4 Choose [PTP] or [Mass storage] and press **OK** (75).

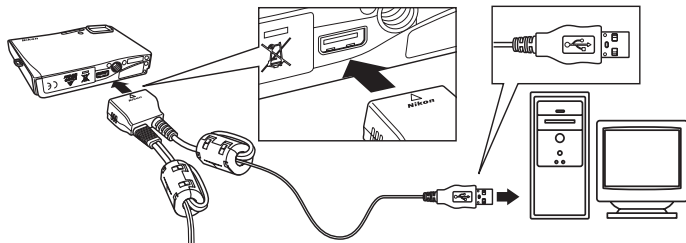
The setting is enabled.

Press **MENU** to exit setup menu.



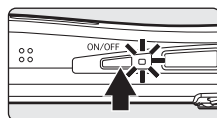
Transferring Pictures to a Computer

- 1 Start a computer to which PictureProject has been installed.
- 2 Turn off the camera.
- 3 Connect the camera to the computer using the supplied audio/video/USB cable.



- 4 Turn on the camera.

At default PictureProject settings, PictureProject Transfer is launched immediately with recognition of camera connection.



- 5 Transfer pictures.

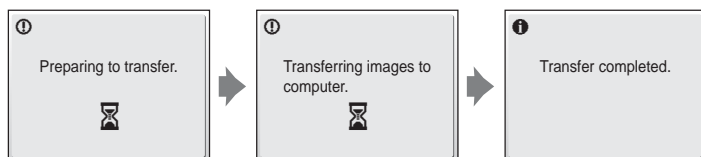
Transfer using PictureProject

Click [Transfer] in PictureProject Transfer.

All pictures and movies marked for transfer are copied to the computer. Once transfer is complete, pictures are displayed in PictureProject.

Transfer using Ⓢ (📷) on the camera

While PictureProject Transfer is launched, press Ⓢ (📷) to copy pictures marked for transfer (📷 78) to the computer. The following messages are displayed in the camera monitor during transfer.



6 Disconnect the camera when transfer is complete.

If the USB option is set to [PTP]

Turn the camera off and disconnect the audio video/USB cable.

If the USB option is set to [Mass storage]

Remove the camera from the system as described below before turning the camera off and disconnecting the audio video/USB cable.

Windows Vista/XP

Click the [Safely Remove Hardware] icon in the taskbar and select [Safely remove USB Mass Storage Device] from the menu displayed.



Windows 2000 Professional

Click the [Unplug or Eject Hardware] icon in the taskbar and select [Stop USB Mass Storage Device] from the menu displayed.



Macintosh

Drag the untitled camera volume ("NO_NAME") to the Trash.



✓ Connecting the Audio Video/USB Cable

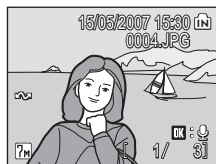
When connecting the audio video/USB cable, be sure that the connectors are oriented correctly. Do not use force when connecting the audio video/USB cable. When disconnecting the audio video/USB cable, do not pull the connector at an angle.

Connection may not be recognized when the camera is connected to a computer via a USB hub.

✎ Marking Pictures for Transfer

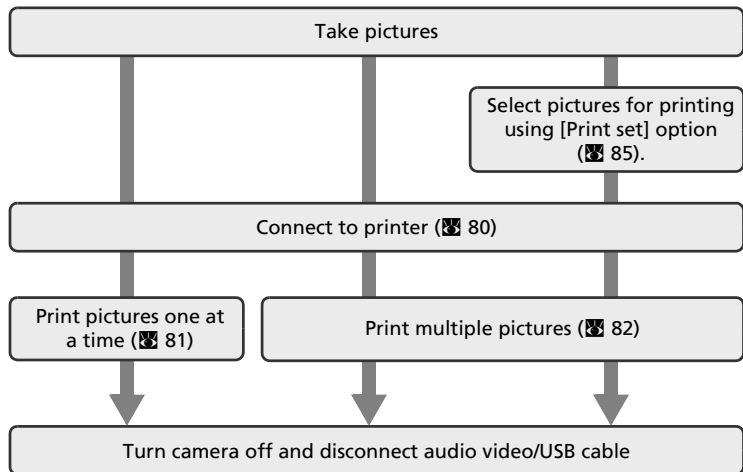
When **[M]** is pressed while the camera is connected to a computer, pictures marked with the **[M]** icon during playback will be transferred to the computer. As the default setting, all pictures are automatically marked for transfer. Two options control transfer marking:

- [Interface] > [Auto transfer] in the setup menu (**[M]** 118): Choose [On] to mark *all new pictures* for transfer (default setting).
- [Transfer marking] in the playback menu (**[M]** 103): Change marking for *existing pictures*.



Connecting to a Printer

Users of PictBridge-compatible (📷 140) printers can connect the camera directly to the printer and print pictures without using a computer.



✔ Note on Power Source

When connecting the camera to a computer, use a fully charged battery to prevent the camera from turning off unexpectedly.

📷 Printing Pictures

In addition to printing pictures transferred to a computer from your personal printer and printing over a direct camera-to-printer connection, the following options are also available for printing pictures:

- Insert a memory card into a DPOF-compatible printer's card slot
- Take a memory card to a digital photo lab

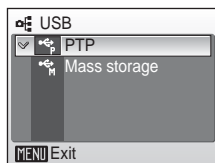
For printing using these methods, specify the pictures and the number of prints each using your camera's print set menu (📷 85).

📷 ImageLink-compatible Printers

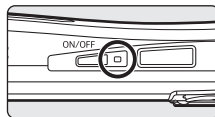
Users of ImageLink-compatible printers can connect the camera directly to the printer and print pictures without using a computer. See "Connecting to a ImageLink-compatible Printer" (📷 87) and the documentation provided with your printer for details.

Connecting the Camera and Printer

- 1 Set the USB option (P 76) to [PTP].

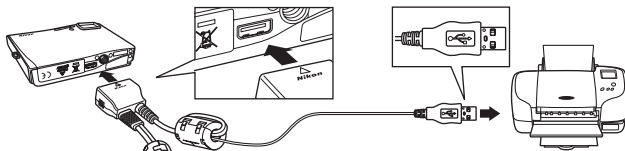


- 2 Turn off the camera.



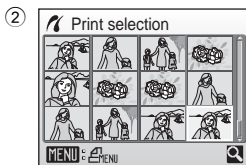
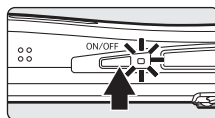
- 3 Turn on the printer.
Check printer settings.

- 4 Connect the camera to the printer using the supplied audio video/USB cable.



- 5 Turn on the camera.

When connected correctly, the PictBridge start-up screen ① will be displayed in the camera monitor. Then the print selection screen will be displayed ②.



Connecting the Audio Video/USB Cable

When connecting the audio video/USB cable, be sure that the connectors are oriented correctly. Do not use force when connecting the audio video/USB cable. When disconnecting the audio video/USB cable, do not pull the connector at an angle.

Printing Pictures One at a Time

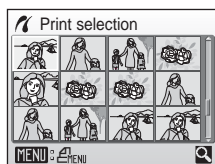
After connecting the camera to the printer correctly (80), print pictures by following the procedure below.

- 1 Use the rotary multi selector to choose the desired picture and press **OK**.

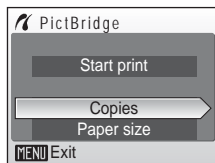
The PictBridge menu is displayed.

Press **T** (Q) to switch to full-frame playback.

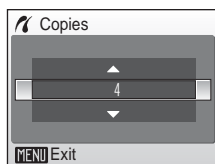
Press **W** (R) to switch back to thumbnail display.



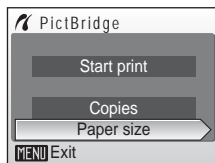
- 2 Choose [Copies] and press **OK**.



- 3 Choose the number of copies (up to nine) and press **OK**.

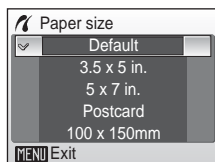


- 4 Choose [Paper size] and press **OK**.

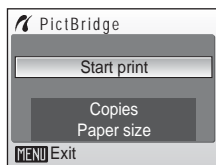


- 5 Choose the desired paper size and press **OK**.

To specify paper size using printer settings, choose [Default] in the paper size menu and press **OK**.



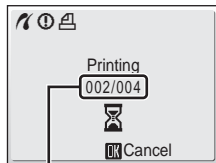
6 Choose [Start print] and press **OK**.



7 Printing starts.

Monitor display returns to that shown in step 1 when printing is complete.

To cancel before all copies have been printed, press **OK**.



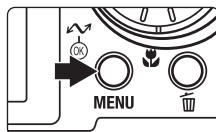
Current print/
total number of prints

Printing Multiple Pictures

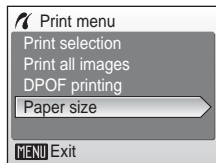
After connecting the camera to the printer correctly (80), print pictures by following the procedure below.

1 When the print selection screen is displayed, press **MENU**.

The print menu is displayed.

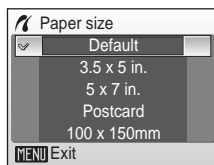


2 Use the rotary multi selector to choose [Paper size] and press **OK**.

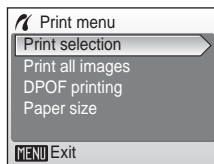


3 Choose the desired paper size and press **OK**.

To specify paper size using printer settings, choose [Default] in the paper size menu and press **OK**.



4 Choose [Print selection], [Print all images] or [DPOF printing] and press **OK**.



Print selection

Choose the pictures and number of copies (up to nine) of each.

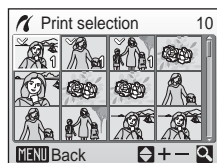
Rotate the rotary multi selector to select pictures, and press **▲** or **▼** to set the number of copies for each.

Pictures selected for printing can be recognized by the check mark (✓) and the numeral indicating the number of copies to be printed. A check mark is not displayed with pictures for which 0 copies have been specified and these pictures will not be printed.

Press **T** (Q) to switch to full-frame playback.

Press **W** (R) to switch back to thumbnail display.

Press **OK** when setting is complete.



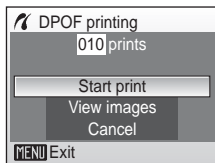
Print all images

All pictures stored in the internal memory or memory card are printed.

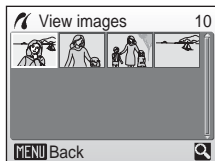
DPOF printing

Print pictures for which a print order has been created in [Print set] (85).

- The menu shown at right will be displayed.
- To print, choose [Start print] and press **OK**.



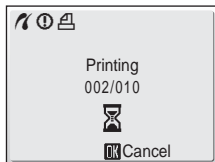
- To view the current print order, choose [View images] and press **OK**. To print pictures, press **OK** again.
- Press **MENU** to return to the print menu (step 4).



5 Printing starts.

Monitor display returns to the print menu (step 2) when printing is complete.

To cancel before all copies have been printed, press **OK**.



✓ Paper Size

The camera supports the following paper sizes: [Default] (the default paper size for the current printer), [3.5 × 5 in.], [5 × 7 in.], [Postcard], [100 × 150 mm], [4 × 6 in.], [8 × 10 in.], [Letter], [A3], and [A4]. Only sizes supported by the current printer will be displayed. To specify paper size using printer settings, choose [Default] in the paper size menu.

Creating a DPOF Print Order: Print Set

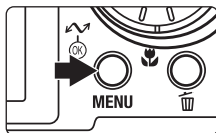
The [Print set] option in the playback menu is used to create digital “print orders” for printing on DPOF-compatible devices (❧ 140).

In addition to pictures themselves, shooting date and photo information (shutter speed, aperture, etc.) can also be printed.

When the camera is connected to a PictBridge-compatible printer, pictures can be printed from the printer according to the DPOF print order you have created for pictures on the memory card. If the memory card is removed from the camera, you can create the DPOF print order for pictures in the internal memory and print pictures according to the DPOF print order.

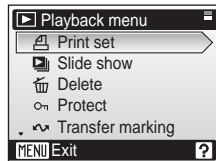
1 Press MENU in playback mode.

The playback menu is displayed.

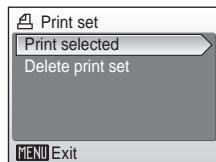


2 Use the rotary multi selector to choose [Print set] and press OK.

The print set menu is displayed.



3 Choose [Print selected] and press OK.



4 Choose the pictures and number of copies (up to nine) of each.

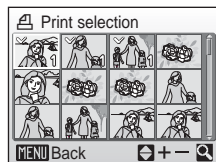
Rotate the rotary multi selector to select pictures, and press ▲ or ▼ to set the number of copies for each.

Pictures selected for printing can be recognized by the check mark (✓) icon and the numeral indicating the number of copies to be printed. A check mark is not displayed with pictures for which 0 copies have been specified and these pictures will not be printed.

Press **T** (Q) to switch to full-frame playback.

Press **W** (❧) to switch back to thumbnail display.

Press **OK** when setting is complete.

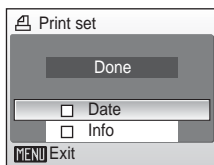



5 Choose whether or not to also print shooting date and photo information.

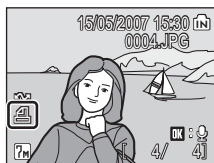
[Date]: Print date of recording on all pictures in the print order.

[Info]: Print shutter speed and aperture on all pictures in the print order. Note that this information is not printed with direct connection to a printer.

[Done]: Complete the print order and exit.



Pictures selected for printing are recognized by the  icon displayed with playback.



Print Set

[Date] and [Info] are reset each time the print set menu is displayed.

Deleting All Print Orders



Choose [Delete print set] in step 3 and press . Print orders for all pictures will be deleted.

Note on the Print Set [Date] Option

The date and time printed on pictures with DPOF printing when [Date] in the print set menu is enabled are those recorded with the picture when it was taken. Date and time printed using this option are not affected when the camera's date and time setting are changed from the setup menu after pictures are recorded.



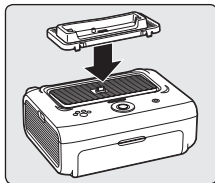
Differences Between Print Set and Date Imprint

Date and time can only be printed on pictures using the [Date] option in the print set menu when pictures are printed from a DPOF-compatible printer ( 140). Use the [Date imprint] ( 112) option in the setup menu to print the date on pictures from a printer that does not support DPOF (position of the date is fixed). When the date option for both [Print set] and [Date imprint] is enabled, only the date from the [Date imprint] option is printed, even when a DPOF-compatible printer is used.

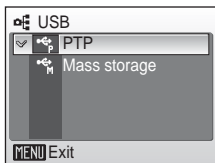
Connecting to a ImageLink-compatible Printer

See documentation provided with your printer for information on operating the printer.

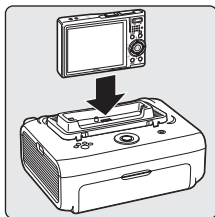
- 1 Attach the Dock Insert PV-12 (supplied) to the printer.



- 2 Set the USB option (76) to [PTP].



- 3 Turn the camera off and attach it to the dock insert.

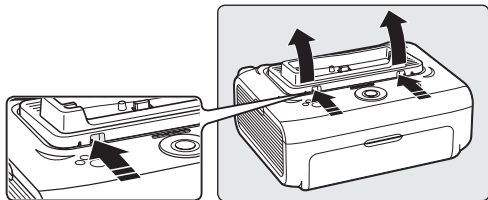


- 4 Print pictures.

Follow the procedures described in the printer manual.

Removing the Dock Insert

Place your thumbs where indicated, press, and lift.


















✓ Note on Connecting to an ImageLink-compatible Printer

The monitor will dim automatically if no operations are performed for about one minute while the camera is connected to an ImageLink printer. The camera will turn off if no operations are performed for another seven minutes.

Shooting Options: The Shooting Menu

The shooting menu and high-sensitivity menu contain the following options.

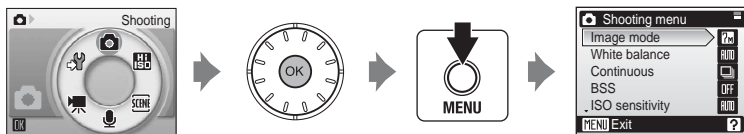
	Image mode¹	 89
	Choose image size and quality.	
	White balance¹	 91
	Match white balance to the light source.	
	Continuous¹	 93
	Take pictures one at a time or in a sequence.	
	BSS¹	 95
	Use the “best shot selector” to choose the sharpest picture.	
	ISO sensitivity²	 96
	Control camera’s sensitivity to light.	
	Color options¹	 96
	Apply color effects to pictures as they are recorded.	
	AF area mode	 97
	Choose where the camera focuses.	

¹ See the information on restrictions that may apply to these settings ( 98).

² This setting cannot be set in the high-sensitivity menu.

Displaying the Shooting Menu and High-sensitivity Menu

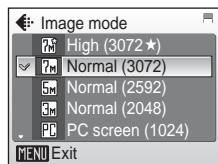
Enter (auto) or high-sensitivity shooting mode by pressing **MODE** in shooting mode, selecting (auto) or (high-sensitivity), and then pressing **OK**. Press **MENU** to display the shooting menu or high-sensitivity menu.



- Use the rotary multi selector (9) to choose and apply settings.
- To exit the shooting or high-sensitivity menu, press **MENU**.

Image Mode

Pictures taken with a digital camera are recorded as image files. The size of the files, and with it the number of images that can be recorded, depends on the size and quality of the images. Before shooting, choose an image mode according to how you plan to use the picture.










Option	Size (pixels)	Description
High (3072★)	3,072 × 2,304	Highest quality, suitable for enlargements or high-quality prints. The compression ratio is approximately 1:4.
Normal (3072) (default setting)	3,072 × 2,304	Best choice in most situations. The compression ratio is approximately 1:8.
Normal (2592)	2,592 × 1,944	
Normal (2048)	2,048 × 1,536	Smaller size allows more pictures to be stored. The compression ratio is approximately 1:8.
PC screen (1024)	1,024 × 768	Suited to display on computer monitor. The compression ratio is approximately 1:8.
TV screen (640)	640 × 480	Suited to full-screen display on a television or distribution by e-mail or the web. The compression ratio is approximately 1:8.
16:9	3072 × 1728	Pictures with an aspect ratio of 16:9 can be taken. The compression ratio is approximately 1:8.

The icon for the current setting is displayed in the monitor in shooting and playback modes (6, 7).

Image Mode and the Number of Exposures Remaining

The following table lists the number of pictures that can be stored in internal memory and on a 256 MB memory card, together with the size of still pictures. Note that the number of pictures that can be stored will differ depending on the composition of the picture (due to JPEG compression). In addition, this number may differ depending on the make of memory card, even if the capacity for the memory card is the same.

Setting	Internal memory (approx. 13 MB)	Memory card ¹ (256 MB)	Print size (printed at 300 dpi; cm/in.) ²
 High (3072★)	3	70	26 × 19.5/10.4 × 7.8
 Normal (3072)	6	125	26 × 19.5/10.4 × 7.8
 Normal (2592)	9	175	22 × 16.5/ 8.8 × 6.6
 Normal (2048)	14	280	17 × 13/ 6.8 × 5.2
 PC screen (1024)	44	900	9 × 7/ 3.6 × 2.8
 TV screen (640)	88	1,700	5 × 4/ 2 × 1.6
 16:9	8	170	26 × 14.5/ 10.4 × 5.7

¹ All figures are approximate. If the number of exposures remaining is 10,000 or more, the number of exposure remaining display shows [9999].

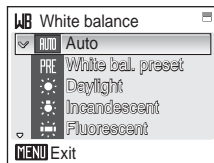
² All figures are approximate. The size of images when printed depends on the printer resolution: the higher the resolution, the smaller the final print size.

Image Mode

The image mode setting can also be applied from the scene, anti-shake shooting, and one-touch portrait menus. Changes made to the image mode setting from any of the three menus apply to all shooting modes.

WB White Balance


The color of light reflected from an object varies with the color of the light source. The human brain is able to adapt to changes in the color of the light source, with the result that white objects appear white whether seen in the shade, direct sunlight, or under incandescent lighting. Digital cameras can mimic this adjustment by processing images according to the color of the light source. This is known as “white balance.” For natural coloration, choose a white balance setting that matches the light source before shooting. Although the default setting, [Auto], can be used under most types of lighting, you can apply the white balance setting suited to a particular light source to achieve more accurate results.



Auto (default setting)

White balance automatically adjusted to suit lighting conditions. Best choice in most situations.

White bal. preset

Neutral-colored object used as reference to set white balance under unusual lighting conditions ( 92).

Daylight

White balance adjusted for direct sunlight.

Incandescent

Use under incandescent lighting.

Fluorescent


Use under most types of fluorescent lighting.

Cloudy

Use when taking pictures under overcast skies.

Flash

Use with the flash.

The effects of the selected option can be previewed in the monitor. At settings other than [Auto], the icon for the current setting is displayed in the monitor ( 6).

Flash Mode

At white-balance settings other than [Auto] or [Flash], turn the flash off ( ( 28).

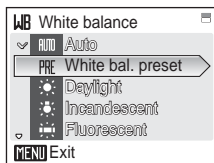
PRE Preset White Balance

Preset white balance is used with mixed lighting or to compensate for light sources with a strong color cast (for example, to make pictures taken under a lamp with a red shade look as though they had been taken under white light).

1 Place a white or gray reference object under the lighting that will be used during shooting.

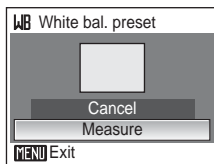
2 Use the rotary multi selector to choose [White bal. preset] in the white balance menu, and press **OK**.

The camera zooms in.

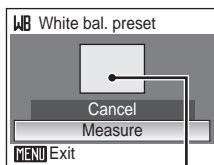


3 Choose [Measure].

To apply the most recently measured value for preset white balance, choose [Cancel] and press **OK**.



4 Frame the reference object.



Reference object frame

5 Press **OK**.

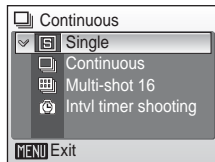
The shutter is released and the new white balance value is set.
No pictures are recorded.

Note on Preset White Balance

Regardless of the flash mode selected, the flash will not fire when **OK** is pressed in step 5. Therefore, the camera cannot measure a value for preset white balance for when the flash is used.

Continuous

Capture a fleeting expression on a portrait subject, photograph a subject that is moving unpredictably, or capture motion in a series of pictures. Focus, exposure, and white balance are fixed at the values for the first picture in each series.



Single (default setting)

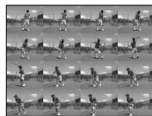
One shot is taken each time shutter-release button is pressed.

Continuous

While the shutter-release button is held down, pictures are taken at rate of about 1.6 frames per second (fps) when image mode is set to [Normal (3072)].


Multi-shot 16

Each time shutter-release button is pressed, camera takes 16 shots at about 1.6 frames per second and arrange them in a single picture [Normal (3072) pixels as shown at right].



Intvl timer shooting

Camera takes pictures (up to 1,800 frames) automatically at specified interval.

At settings other than [Single], the indicator for the current setting is displayed in the monitor ( 6).

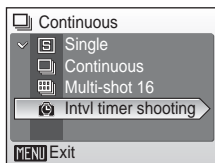
Note on Continuous Shooting

The maximum frame rate with continuous shooting may vary depending upon the current image mode setting and the memory card used.

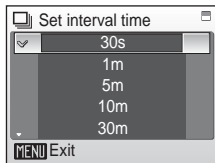
Interval Timer Photography

Pictures are taken automatically at specified intervals. Choose from intervals between 30 seconds and 60 minutes.

- 1 Use the rotary multi selector to choose [Intvl timer shooting] in the continuous menu, and press **OK**.



- 2 Choose interval between shots and press **OK**.



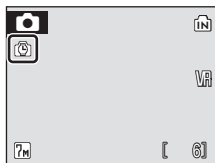
- 3 Press **MENU**.

The camera returns to shooting mode.

- 4 Press the shutter-release button all the way down to start recording.

Monitor turns off and power-on lamp blinks between shots.

The monitor turns on automatically right before the next shot is taken.



- 5 Press the shutter-release button all the way down a second time to end recording.

Recording will end automatically if the internal memory or memory card becomes full, or when 1,800 pictures have been taken.

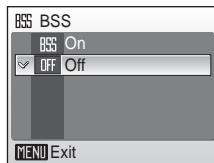
Power Source

- To prevent the camera from turning off unexpectedly during recording, use a fully charged battery.
- To power the camera continuously for extended periods, use an AC Adapter EH-64 (available separately from Nikon) (122). **Do not, under any circumstances, use another make or model of AC adapter.** Failure to observe this precaution could result in overheating or in damage to the camera.

Best Shot Selector (BSS)

The “best shot selector” is convenient for shooting in situations where inadvertent camera movement can result in blurred pictures.

At [On] setting, the flash automatically turns off and focus, exposure, and white balance for all pictures are determined by the first picture in each series.




On

Recommended for taking pictures in poorly lit places, or in other situations where camera shake may occur. Camera takes shots while shutter-release button is pressed, to a maximum of ten. These images are then compared and the sharpest picture (picture with highest level of detail) is saved.

Off (default setting)

Only one picture is taken.

The icon for the current setting is displayed in the monitor ( 6).

Note on Best Shot Selector

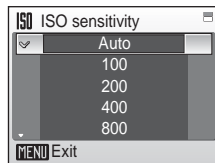
BSS may not produce the desired results if the subject moves or the composition changes while the shutter-release button is pressed all the way down.

ISO ISO Sensitivity

Sensitivity is a measure of how quickly the camera reacts to light. The higher the sensitivity, the less light needed to make an exposure. Although a high ISO rating is suited for taking pictures of subjects in action or in poor lighting, high sensitivity is often associated with “noise” -randomly spaced, brightly colored pixels concentrated in dark parts of the image.

[Auto] (default setting) is ISO 100 under normal conditions; when lighting is poor and the flash is off, the camera compensates by raising sensitivity to a maximum of ISO 800. Choose from values between ISO 100 and 1600.

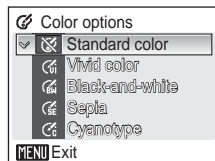
At settings other than [Auto], the current setting is displayed in the monitor (📷 6). If [Auto] is selected and the sensitivity is raised above an ISO 100, the **ISO** icon will be displayed (📷 29).



🔍 Color Options

Make colors more vivid or record pictures in monochrome.

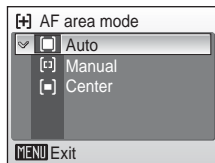
- ☒ **Standard color (default setting)**
Use for pictures exhibiting natural color.
- ☒ **Vivid color**
Use to achieve a vivid, “photoprint” effect.
- ☒ **Black-and-white**
Record pictures in black-and-white.
- ☒ **Sepia**
Record pictures in sepia tones.
- ☒ **Cyanotype**
Record pictures in cyan-blue monochrome.



The effects of the selected option can be previewed in the monitor. At settings other than [Standard color], the icon for the current setting is displayed in the monitor (📷 6).

[AF] AF Area Mode

Use this option to determine where the camera focuses.



[Auto] Auto (default setting)

Camera automatically selects the focus area (1 of 5; 24) containing the subject closest to the camera. The selected focus area is displayed when the shutter-release button is pressed halfway.

[Manual] Manual

Press the rotary multi selector , , , or to select from 99 focus areas in the frame. Pictures can be taken while focus area selection screen is displayed.

To end focus area selection and adjust the flash, macro close-up, self-timer, and exposure compensation settings, press . To return to the focus area selection screen, press .

[Center] Center

Camera focuses on subject in center of frame. Center focus area is used.

Focus Lock

To focus on off-center subjects when [Center] is selected for [AF area mode], use focus lock as described below.

1 Position the subject in the center of the frame.



2 Press the shutter-release button halfway.

- Confirm that the focus indicator (AF) is green.



3 Continue holding down the shutter-release button halfway and recompose the picture.

- Be sure that the distance between the camera and the subject does not change.



- 4** Press the shutter-release button the rest of the way down.



Restrictions on Camera Settings

Restrictions apply to the following settings in  (auto) mode:


Flash mode

Flash turns off at [Continuous] settings of [Continuous] or [Multi-shot 16], or when [BSS] is on. Applied setting is restored when [Single] or [Intvl timer shooting] is selected, or [BSS] is turned off.

Self-timer

If self-timer is on, only one shot will be taken when shutter is released, regardless of settings chosen for [Continuous] and [BSS]. Applied [Continuous] and [BSS] settings are restored when picture is taken or self-timer is turned off.

Continuous

Selecting [Continuous], [Multi-shot 16], or [Intvl timer shooting] turns [BSS] off. Selecting [Multi-shot 16] changes image-mode setting to [ Normal (3072)].

Applied [BSS] setting is *not* restored when [Single] is selected.

BSS

















[Continuous] is automatically set to [Single] when [On] is selected for [BSS]. Applied setting is *not* restored when [BSS] is turned off.

White balance


White balance is automatically set to [Auto] and cannot be adjusted when [Black-and-white], [Sepia], or [Cyanotype] is selected for [Color options]. Applied white balance setting is restored when [Standard color] or [Vivid color] is selected.

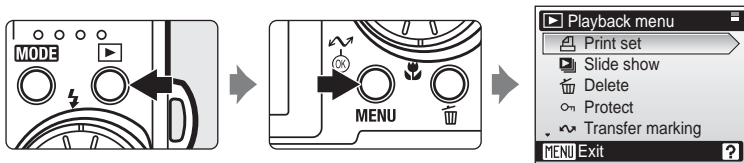
Playback Options: The Playback Menu


The playback menu contains the following options.

	Print set	 85
Select pictures to print and the number of copies for each.		
	Slide show	 101
View pictures stored in the internal memory or on a memory card in an automatic slide show.		
	Delete	 102
Delete all or selected pictures.		
	Protect	 102
Protect selected pictures from accidental deletion.		
	Transfer marking	 103
Mark existing pictures to transfer to a computer.		
	Rotate image	 103
Change the orientation of an existing picture.		
	Small pic.	 51
Create a small copy of the current picture.		
	Copy	 104
Copy files between memory card and internal memory.		

Displaying the Playback Menu

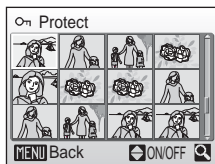
Display the playback menu by pressing  and pressing **MENU**.



- Use the rotary multi selector to choose and apply settings. ( 9)
- To exit the playback menu, press **MENU**.

Selecting Multiple Pictures

When following the steps below to select multiple pictures for a print set (ⓧ 85), deletion (ⓧ 102), protection from deletion (ⓧ 102), transfer (ⓧ 103), rotate (ⓧ 103), copying between internal memory and the memory card (ⓧ 104), or for the welcome screen (ⓧ 107), the screen shown at right is displayed. Follow the procedure described below to select multiple pictures.

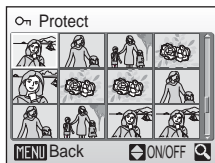


1 Use the rotary multi selector to choose the desired picture.

Only one picture can be selected for [Rotate image] and [Welcome screen]. Proceed to step 3.

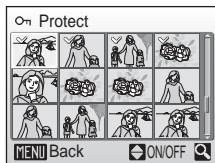
Press **T** (Q) to switch to full-frame playback.

Press **W** (ⓧ) to switch back to thumbnail display.



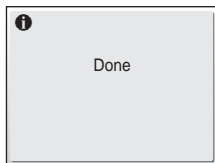
2 Press ▲ or ▼ to select [ON] or [OFF] (or the number of copies).

When [ON] is selected, a check mark (✓) is displayed in the top left corner of the current picture. Repeat steps 1 and 2 to select additional pictures.



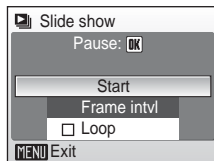
3 Press OK.

The setting is enabled.



Slide Show

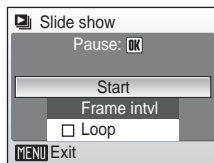
Play back pictures stored in the internal memory or on a memory card in an automated “slide show”.



1 Display the slide show menu; use the rotary multi selector to choose [Start] and press **[OK]**.

To change the interval between pictures, choose [Frame intvl], select the desired interval time, and press **[OK]** before choosing [Start].

To repeat the slide show automatically, enable [Loop] and press **[OK]** before choosing [Start]. The check mark (**✓**) will be added to the loop option when enabled.

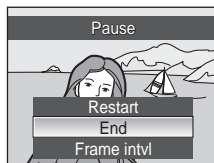


2 The slide show begins.

While the slide show is in progress, the following operations can be performed:

- Use the rotary multi selector to switch pictures. Continue rotating in either direction to fast forward (clockwise) or rewind (counterclockwise).
- Press **[OK]** to pause the slide show.

The menu shown at right is displayed when the slide show ends or is paused. Choose [Restart] and press **[OK]** to play the slide show again, or choose [End] to stop the slide show and return to the playback menu.



Notes on Slide Show

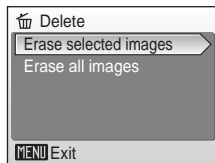
- Only the first frame of movies (**[68]**) included in slide shows is displayed.
- Even if [Loop] is selected, the monitor will turn off automatically if no operations are performed for 30 minutes. The camera will turn off automatically if no operations are performed for another three minutes.

Delete


The delete menu contains the options shown below.

If no memory card is inserted in the camera, pictures in the internal memory will be deleted.

If a memory card is inserted, pictures on the memory card will be deleted.



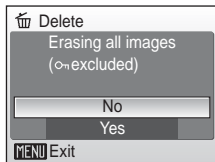
Erase selected images

Delete selected pictures ( 100).


Erase all images

Delete all pictures stored in the internal memory or on the memory card.


- Choose [Yes] and press  in the confirmation dialog to delete all pictures.
- To exit without deleting pictures, choose [No] and press .

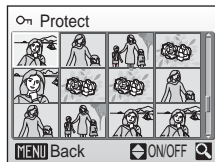


Notes on Deletion





- Once deleted, pictures cannot be recovered. Transfer important images to a computer before deletion.
- Pictures marked with the  icon are protected and cannot be deleted.

Protect

Protect selected pictures from accidental deletion. Note, however, that formatting will delete protected files ( 117).

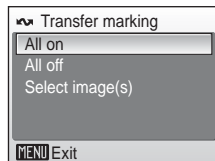


See “Selecting Multiple Pictures” ( 100) for more information on using this function.

Protected pictures are recognized by the  icon ( 7) in full-frame playback mode and the erase selected images screen, and by the  icon ( 45) in 9-picture thumbnail playback mode.

Transfer Marking

Change transfer marking (🔗) for existing pictures. When the camera is connected to a computer with PictureProject installed via the supplied audio video/USB cable, pressing (🔗) transfers only the pictures marked with a 🔗 icon (🔗 77). At the default setting, all pictures are marked for transfer.



All on

Mark all images for transfer.

All off

Remove transfer marking from all images.

Select Image(s)

Mark selected pictures for transfer in the picture selection screen (🔗 100).

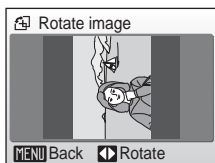
Pictures selected for transfer are recognized by the 🔗 icon (🔗 7) in full-frame playback, and by the 📌 icon (🔗 45) in 9-picture thumbnail playback mode.

Rotate Image

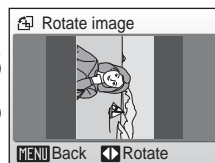
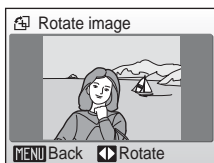
Record picture orientation information for playback display.

Pictures can be rotated 90° clockwise or counterclockwise.

Choose a file to be rotated in the picture selection screen (🔗 100) and select the direction to rotate the chosen picture. Rotate the rotary multi selector clockwise (or press ▶) or counterclockwise (or press ◀) in the rotate image screen. When [Record orientation] (🔗 116) is set to [Auto] (default setting), you can rotate (up to 180°) pictures taken in "tall" orientation by rotating the rotary multi selector either clockwise or counterclockwise.



Rotate 90°
counterclockwise



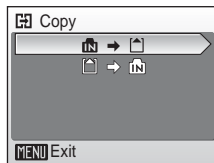
Rotate 90°
clockwise

Press (🔗) to record the orientation for the picture as shown in the rotate image screen.

Copy

Copy pictures between the internal memory and a memory card.

First, select from the following options.




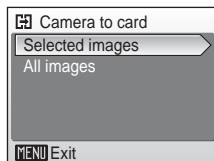
Copy pictures from internal memory to memory card.



Copy pictures from memory card to internal memory.

Then, select the desired copy option.

Choose [Selected images] ( 100) to copy specific pictures in the internal memory or memory card. To copy all pictures, choose [All images].



Notes on Copying Pictures

- If there is not enough space in the memory or on the memory card to receive the copy, an error message will be displayed. Delete unwanted pictures or insert a new memory card (if using a memory card) before trying again.
- The file format of images that can be copied is JPEG, MOV, or WAV.
- Pictures taken with another make of camera or that have been modified on a computer cannot be copied.




[Memory contains no images.] Message

If there are no pictures stored on the memory card when playback mode is applied, the message, [Memory contains no images.], will be displayed. Press **MENU** to display the copy option screen, and copy the pictures stored in the camera's internal memory to the memory card.

File Names of Copied Pictures

































- When pictures are copied using the [Selected images] option, the newly copied pictures are numbered consecutively from the largest number existing between the two memory sources.
Ex: when the last number in the source memory is 32 (DSCN0032.JPG) and the last number in the destination memory is 18 (DSCN0018.JPG), the copied pictures are assigned numbers starting from DSCN0033.
- When pictures are copied using the [All images] option, all the pictures in the folder are copied with the same file numbers. New folder numbers are assigned in ascending order starting from the largest folder number available. If a new folder cannot be created, the folder is not copied and an error message will be displayed.

Copies


Edited copies have the same protection marking ( 102) as the original but are not marked for printing ( 85) or transfer ( 103).

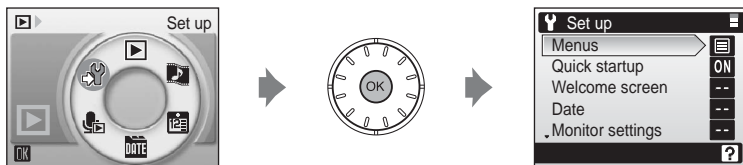
Basic Camera Setup: The Setup Menu

The setup menu contains the following options.

	Menus  106
	Choose how menus are displayed.
	Quick startup  107
	Enable or disable welcome screen and start-up sound.
	Welcome screen  107
	Select screen displayed when camera is turned on.
	Date  108
	Set camera clock and choose home and destination time zones.
	Monitor settings  111
	Adjust monitor brightness and choose display style.
	Date imprint  112
	Imprint date or date counter on pictures.
	Vibration reduction  114
	Choose whether or not vibration reduction is enabled.
	AF assist  115
	Enable or disable AF assist illumination.
	Sound settings  115
	Adjust sound and volume settings.
	Record orientation  116
	Choose whether or not to record the orientation of a picture taken.
	Auto off  116
	Set time before camera enters standby mode to save power.
	Format memory/Format card  117
	Format internal memory or memory card.
	Language  118
	Choose language for camera menus and messages.
	Interface  118
	Adjust settings for connection to television or computer.
	Reset all  119
	Restore camera settings to default values.
	Firmware version  121
	Display camera firmware version.

Displaying the Setup Menu

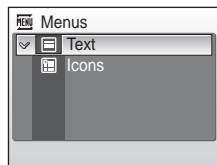
First, display the playback-mode or shooting-mode selection menu by pressing **MODE**. Then select  (use the rotary multi selector), press **OK**.



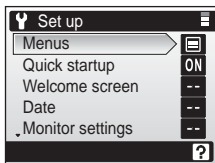
- Use the rotary multi selector to choose and apply settings. (🔧 9)
- To exit the setup menu, press **MODE**.

MENU Menu

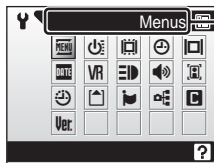
Choose whether the initial menu displayed for the shooting menu (🔧 88), high-sensitivity menu (🔧 88), scene menu (🔧 34), movie menu (🔧 63), one-touch portrait menu (🔧 44), anti-shake menu (🔧 42), playback menu (🔧 99), and setup menu (displayed when **MENU** is pressed) (🔧 105) use [Text] (default setting) or [Icons].



When [Icons] is selected, all menu items can be displayed in a single page and the highlighted menu name appears at the top of the monitor.



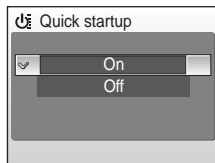
[Text]



[Icons]

Quick Startup

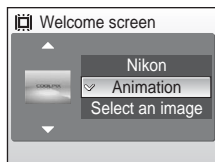
Choose [On] (default setting) to disable the welcome screen and start-up sound. The camera will be ready for shooting as soon as it is turned on. Set to [Off] when enabling the welcome screen.



Welcome Screen

You can select the welcome screen to be displayed when the camera is turned on.

To set the welcome screen, [Quick startup] must be set to [Off].





Nikon

Displays a welcome screen when the camera is turned on.

Animation (default setting)

Displays a short animation when the camera is turned on.

Select an image

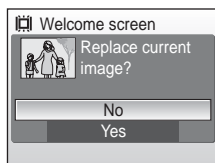
Select a picture in the internal memory or on the memory card for the welcome screen. Choose a picture in the picture selection screen ( 100), and press .

The image used in the welcome screen is a copy of the selected picture and, therefore, is not affected if the original picture is deleted or the memory card is removed.

Pictures taken at an image mode setting of [16:9] ( 89) can not be selected.

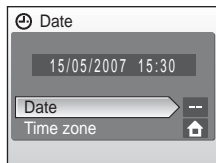
When [Select an image] is Selected

If you have already selected a welcome screen picture, you can select a new one by following the confirmation dialog.



Date

Set the camera clock and choose home and travel destination time zones.



Date

Set camera clock to current date and time.

See "Setting Display Language, Date, and Time" (16-17) for more information.

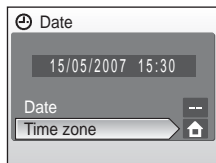
Time zone

(home time zone) can be specified and daylight saving enabled or disabled from [Time zone] options. When (destination time zone) is selected, the time difference (110) is automatically calculated and the date and time in the selected region are recorded. Useful when travelling.

Setting Travel Destination Time Zone

1 Use the rotary multi selector to choose [Time zone] and press .

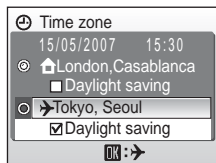
The time zone menu is displayed.



2 Choose and press .

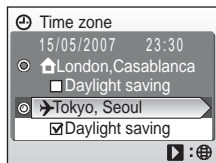
The date and time displayed on the monitor changes according to the region currently selected.

If daylight saving time is in effect, use the rotary multi selector to choose [Daylight saving] and press , and then press . The time is automatically advanced one hour.



3 Press .

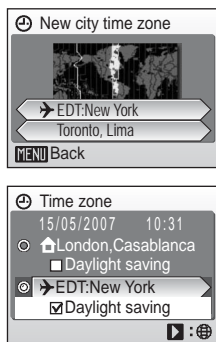
The new city time zone menu is displayed.



4 Choose the travel destination time zone and press **OK**.

The setting is enabled.

While the travel destination time zone is selected, the **→** icon will be displayed in the monitor when the camera is in shooting mode.



✓ The Clock Battery

The clock battery charges when the main battery is installed or an AC adapter is connected, and can provide several days of backup power after about 10 hours of charging.

📍 (Home Time Zone)

- To switch to the home time zone, choose **📍** in step 2.
- To change the home time zone, choose **📍** in step 2 and perform the following steps for the home time zone.

🕒 Daylight Saving Time

- If date and time are set when daylight saving time is not in effect:
Turn [Daylight saving] on (**✓**) when daylight saving time begins to automatically advance the camera's clock one hour.
- If date and time are set with [Daylight saving] turned on (**✓**) when daylight saving time is in effect:
Turn [Daylight saving] off when daylight saving time ends to automatically set the camera's clock back one hour.

Time Zones (16)

The camera supports the time zones listed below. Increments of less than one hour are not supported; when travelling to or from destinations at half- or quarter-hour increments from Greenwich Mean Time (GMT), such as Afghanistan, Central Australia, India, Iran, Nepal, or Newfoundland, set the camera clock to local time (16, 108).

GMT +/-	Location	GMT +/-	Location
-11	Midway, Samoa	+1	Madrid, Paris, Berlin
-10	Hawaii, Tahiti	+2	Athens, Helsinki
-9	Alaska, Anchorage	+3	Moscow, Nairobi
-8	PST (PDT): Los Angeles, Seattle, Vancouver	+4	Abu Dhabi, Dubai
-7	MST (MDT): Denver, Phoenix, La Paz	+5	Islamabad, Karachi
-6	CST (CDT): Chicago, Houston, Mexico City	+6	Colombo, Dhaka
-5	EST (EDT): New York, Toronto, Lima	+7	Bangkok, Jakarta
-4	Caracas, Manaus	+8	Beijing, Hong Kong, Singapore
-3	Buenos Aires, São Paulo	+9	Tokyo, Seoul
-2	Fernando de Noronha	+10	Sydney, Guam
-1	Azores	+11	New Caledonia
±0	London, Casablanca	+12	Auckland, Fiji

Monitor Settings

Choose whether or not to display information in the monitor, and set the monitor brightness.

Photo info

Choose information displayed in monitor during shooting and playback mode.

Brightness

Choose from five settings for monitor brightness.

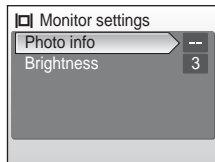



Photo Info

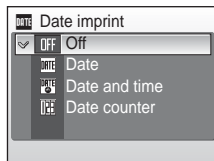
The following display options are available.

See “The Monitor” (📷 6) for information on indicators in the monitor.

	Shooting mode	Playback mode
Show info (default setting)		
Auto info	The current settings or operation guide is displayed for five seconds as in [Show info] above. After five seconds, display will be the same as [Hide info].	
Hide info		
Framing grid	<p>In 📷 (auto) mode or high-sensitivity shooting mode, a framing grid is displayed to help frame pictures; other current settings or operation guide is displayed for five seconds as in [Auto info] above.</p> <p>In other shooting modes, the current settings or operation guide is displayed as in [Auto info] above.</p>	<p>The current settings or operation guide is displayed as in [Auto info] above.</p>

Date Imprint

Date and time of recording can be imprinted on pictures for printing this information from printers that are not DPOF-compatible ( 140).



Off (default setting)

Date and time are not imprinted on pictures.

Date


Date is imprinted on the bottom right corner of pictures taken while this option is in effect.

Date and time



Date and time are imprinted on the bottom right corner of pictures taken while this option is in effect.

Date counter



Time stamp shows number of days between date of recording and selected date.

At settings other than [Off], the icon for the current setting is displayed in the monitor ( 6).

Date Imprint

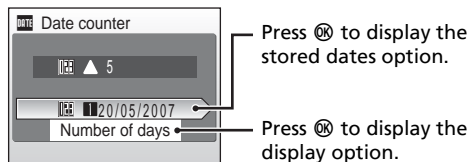
- Imprinted dates form a permanent part of image data and cannot be deleted.
- Dates imprinted at an image-mode setting ( 89) of [TV screen (640)] may be difficult to read. Choose [PC screen (1024)] or larger when using date imprint.
- The date is recorded using the format selected in the setup menu's [Date] item ( 16, 108).

Date Imprint and Print Set

When using DPOF-compatible devices, shooting date or photo information will be printed if [Date] or [Info] is selected in the print set menu ( 85). See “Differences Between Print Set and Date Imprint” ( 86) for more information on the difference between [Date imprint] and [Print set].

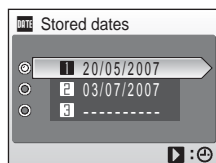
Date Counter

Pictures taken while this option is in effect are imprinted with the number of days remaining until, or the number of days elapsed since a specified date. Use it to track the growth of a child or count down the days until a birthday or wedding.



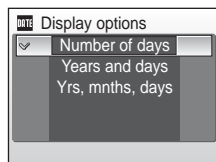
Stored dates

Up to three dates can be stored. To set, choose an option, press the rotary multi selector **▶**, enter a date (**ⓧ** 16), and press **OK**. To select a different date, choose an option and press **OK**.



Display options

Choose [Number of days], [Years and days], or [Yrs, mnths, days] and press **OK**.



Sample date counter time stamps are shown below.



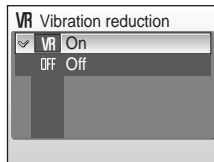
Two days remaining



Two days elapsed

VR Vibration Reduction

Vibration reduction effectively corrects blur, caused by slight hand movement known as camera shake, that commonly occurs when shooting with zoom applied or at slow shutter speeds. Vibration reduction can be used in all shooting modes.



When [Off] is selected, an icon for the current setting is not displayed in the monitor (📷 6). Vibration reduction is enabled in anti-shake mode (📷 42) regardless of the option selected for [Vibration reduction].

On (default setting)

Vibration reduction is enabled when taking pictures and recording movies. Camera detects and factors out panning movements when reducing camera shake. When camera is panned horizontally, for example, vibration reduction reduces only vertical shake. If camera is panned vertically, vibration reduction affects only horizontal shake.

Off

Vibration reduction is not enabled. Set vibration reduction to [Off] when using a tripod.

✓ Notes on Vibration Reduction

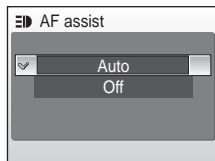
- Vibration reduction may take a few seconds to activate after the camera recovers from the standby mode or the power is turned on, or the camera enters shooting mode from playback mode. Wait until the display stabilizes before shooting.
- Vibration reduction may be unable to completely eliminate the effects of camera shake in some situations.
- [VR] stands for vibration reduction.

AF Assist

If [Auto] (default setting) is selected, AF-assist illumination will be used to assist the focus operation when the subject is poorly lit.

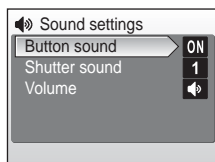
Note that for some scene modes, AF-assist illumination turns off automatically.

To disable this function, choose [Off]. When set to [Off], the camera may be unable to focus if lighting is poor.



Sound Settings

Adjust the following sound settings.



Button sound

When [On] (default setting) is selected, beep will sound once when operations are completed successfully, three times when error is detected.

Shutter sound

Choose shutter sound from [1] (default setting), [2], [3], and [Off].


Volume

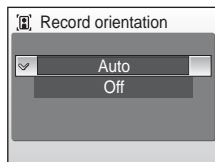
Choose volume of shutter sound and start-up sound (🔊 107) from [Loud], [Normal] (default setting), and [Off].

Record Orientation


Choose whether or not to record the orientation of pictures taken in “tall” orientation.

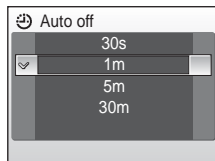
Choose [Auto] (default setting) to record the picture’s orientation detected by the camera’s sensor. The taken picture will be automatically rotated when played back on the camera monitor or with PictureProject. When [Off] is selected, the picture will be displayed in the same orientation as it was taken.

Picture orientation information can be modified from the [Rotate image] option in the playback menu ( 103).



Auto Off

Choose the time allowed to elapse before the camera enters standby mode to save power ( 21). The time options are [30s], [1m] (default setting), [5m], and [30m]. The power-on lamp flashes in standby mode. If no operations are performed for another three minutes, the camera turns off.



Notes on Auto Off

Regardless of the option selected, the monitor will remain on for three minutes, when [30s] or [1m] is selected for [Auto off] and menus are displayed, and 30 minutes, during continuous playback for slide shows and Pictmotion movies or when the optional AC adapter is connected.

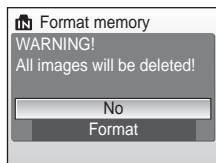
Format Memory / **Format Card**

Use this option to format the internal memory or a memory card.

Formatting the Internal Memory

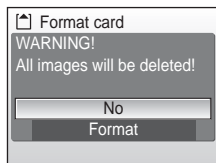
To format the internal memory, remove the memory card from the camera.

The [Format memory] option appears in the setup menu.



Formatting a Memory Card

When the memory card is inserted in the camera, the [Format card] option appears in the setup menu.



Formatting Internal Memory and Memory Cards

- Formatting the internal memory or memory cards permanently deletes all data. Be sure to transfer important pictures to a computer before formatting.
- Do not turn the camera off, disconnect the AC adapter, or remove the battery or memory card during formatting.
- The first time you insert the memory cards used in other devices into the COOLPIX S50, format them.

Language

Choose one of 20 languages for display of camera menus and messages.

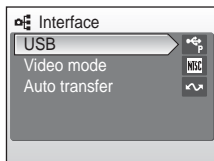
Čeština	Italiano	Svenska
Dansk	Nederlands	中文简体
Deutsch	Norsk	中文繁體
English	Polski	日本語
Español	Português	한글
Français	Русский	ภาษาไทย
Indonesia	Suomi	

Čeština	Czech
Dansk	Danish
Deutsch	German
English	(default setting)
Español	Spanish
Français	French
Indonesia	Indonesian
Italiano	Italian
Nederlands	Dutch
Norsk	Norwegian



Polski	Polish
Português	Portuguese
Русский	Russian
Suomi	Finnish
Svenska	Swedish
中文简体	Simplified Chinese
中文繁體	Traditional Chinese
日本語	Japanese
한글	Korean
ภาษาไทย	Thai

Interface

Adjust settings for connection to a computer or television.




USB

Select [PTP] (default setting) or [Mass storage] for connection to computer ( 75) or printer ( 80).

Video mode

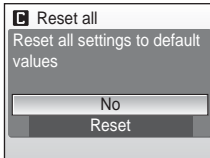
Choose from [NTSC] and [PAL].

Auto transfer





Choose [On] (default setting) to mark all new pictures for transfer to computer ( 78).

Reset All

This option restores the following settings to their default values:



Pop-up menu

Option	Default value
Flash mode ( 28)	Auto
Self-timer ( 30)	Off
Macro close-up ( 31)	Off
Exposure compensation ( 32)	0





Scene mode

Option	Default value
Scene mode ( 34)	Portrait






One-touch portrait menu

Option	Default value
Portrait effect ( 44)	Normal

Movie menu

Option	Default value
Movie options ( 64)	Small size 320
Time-lapse movies ( 65)	10s
Stop-motion movies ( 66)	5 fps
Auto-focus mode ( 67)	Single AF

Pictmotion menu

Option	Default value
Background music ( 59)	High-speed
Effects ( 60)	Motion
Playback order ( 60)	Random
Playback duration ( 60)	Fit to music length
Selected images ( 60)	Auto select 30

Shooting menu

Option	Default value
Image mode (📷 89)	Normal (3072)
White balance (📷 91)	Auto
Continuous (📷 93)	Single
Interval timer photography (📷 94)	30s
BSS (📷 95)	Off
ISO sensitivity (📷 96)	Auto
Color options (📷 96)	Standard color
AF area mode (📷 97)	Auto

Setup menu

Option	Default value
Menus (📷 106)	Text
Quick startup (📷 107)	On
Welcome screen (📷 107)	Animation
Photo info (📷 111)	Show info
Brightness (📷 111)	3
Date imprint (📷 112)	Off
Vibration reduction (📷 114)	On
AF assist (📷 115)	Auto
Button sound (📷 115)	On
Shutter sound (📷 115)	1
Volume (📷 115)	Normal
Record orientation (📷 116)	Auto
Auto off (📷 116)	1m
Auto transfer (📷 118)	On

Others

Option	Default value
Sound quality (M 70)	High
Paper size (M 81, 82)	Default
Slide show (M 101)	3s

- Choosing [Reset all] also clears the current file number (M 123) from the memory. Numbering will continue from the lowest number available. To reset file numbering to "0001", delete all pictures (M 102) before selecting [Reset all].
- Settings for [Date] (M 108), [Date counter] (M 113), [Language] (M 118), [USB] (M 118), and [Video mode] (M 118) in the setup menu will remain unaffected even if [Reset all] is performed.

Ver. Firmware Version

View the current camera firmware version.



Optional Accessories


Rechargeable battery	Rechargeable Li-ion Battery EN-EL8
Battery charger	Battery Charger MH-62
AC adapter	AC Adapter EH-64
ImageLink-compatible printer adapter	Dock Insert PV-12
Audio video/USB cable	Audio Video/USB Cable UC-E12

Approved Memory Cards

The following memory cards have been tested and approved for use in the COOLPIX S50:

SanDisk	64 MB, 128 MB, 256 MB, 512 MB, 1 GB, 2 GB ^{1, 2} High-speed, 10-MB/s cards: 512 MB, 1 GB, 2 GB ¹ High-speed, 20-MB/s cards: 1 GB, 2 GB ¹
Toshiba	64 MB, 128 MB, 256 MB, 512 MB, 1 GB, 2 GB ^{1, 2} High-speed, 10-MB/s cards: 128 MB, 256 MB, 512 MB, 1 GB
Panasonic	64 MB, 128 MB, 256 MB, 512 MB, 1 GB, 2 GB ^{1, 2} High-speed, 10-MB/s cards: 256 MB High-speed, 20-MB/s cards: 512 MB, 1 GB, 2 GB ¹

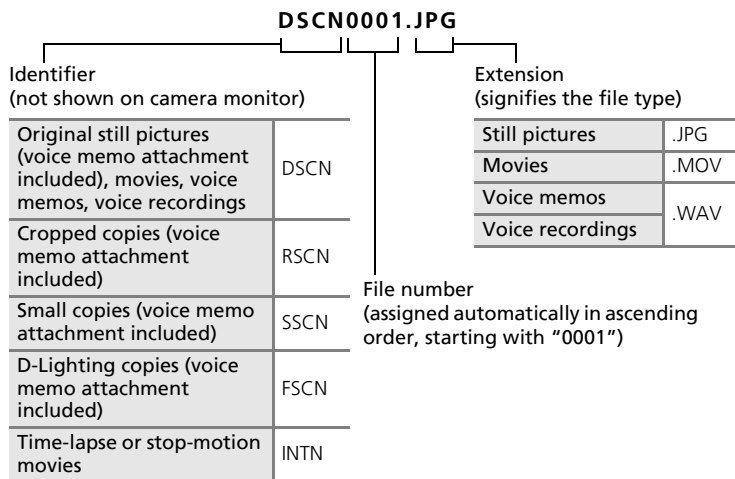
¹ If the memory card will be used with a card reader or similar device, the device must support memory card specifications. If the device does not support memory card specifications, insert the memory card into the camera and connect the camera to a computer via the supplied USB cable to transfer pictures.





²  SDHC-compliant.

Other cards have not been tested. For more details on the memory cards listed above, please contact the manufacturer.

Image/Sound File and Folder Names

Pictures, movies, voice memos, and voice recordings are assigned file names as follows:



- Files are stored in folders named with a folder number followed by a five-character identifier: "P_" plus a three-digit sequence number for pictures taken using panorama assist (e.g., "101P_001";  40), "INTVL" for interval timer photography (e.g., "101INTVL";  94), "SOUND" (normal quality sound) or "SOUNE" (high quality sound) for voice recordings (e.g., "101SOUND";  69), and "NIKON" for all other pictures (e.g., "100NIKON"). When the number of files within a folder reaches 9999, a new folder will be created. File numbers will be assigned automatically starting with "0001".
- Files copied using [Copy] > [Selected images] or [Copy sound files] > [Selected files] are copied to the current folder, where they are assigned new file numbers in ascending order starting from the largest file number in memory. [Copy] > [All images] and [Copy sound files] > [Copy all files] copy all folders from the source medium; file names do not change but new folder numbers are assigned in ascending order starting from the largest folder number on the destination medium ( 73, 104).

- Pictmotion movies (📷 57) are stored under the “NKST” folder in folders named with a three-digit folder number followed by “PRJCT” (e.g., “101PRJCT”). Each folder contains the picture and sound files for a single Pictmotion movie.
- Folders can hold up to 200 pictures; if a picture is taken when the current folder contains 200 pictures, a new folder will be created by adding one to the current folder number. If a picture is taken when the current folder is numbered 999 and contains 200 pictures or a picture numbered 9999, no further pictures can be taken until the medium is formatted (📷 117) or a new memory card inserted.

Caring for the Camera

To ensure continued enjoyment of this Nikon product, observe the following precautions when using or storing the device.

Keep dry

The device will be damaged if immersed in water or subjected to high humidity.

Do not drop

The product may malfunction if subjected to strong shock or vibration.

Handle the lens and all moving parts with care

Do not apply force to the lens, lens cover, monitor, memory card slot, or battery chamber. These parts are easily damaged. Applying force to the lens cover could result in camera malfunction or damage to the lens. Should the monitor break, care should be taken to avoid injury caused by broken glass and to prevent the liquid crystal from the display touching the skin or entering the eyes or mouth.

Do not point the lens at strong light sources for extended periods

Avoid pointing the lens at the sun or other strong light sources for extended periods when using or storing the camera. Intense light may cause deterioration of the CCD image sensor, producing a white blur effect in photographs.

Keep away from strong magnetic fields

Do not use or store this device in the vicinity of equipment that generates strong electromagnetic radiation or magnetic fields. Strong static charges or the magnetic fields produced by equipment such as radio transmitters could interfere with the monitor, damage data stored on the memory card, or affect the product's internal circuitry.


Avoid sudden changes in temperature

Sudden changes in temperature, such as occur when entering or leaving a heated building on a cold day, can cause condensation to form inside the device. To prevent condensation, place the device in a carrying case or a plastic bag before exposing it to sudden changes in temperature.

Turn the product off before removing or disconnecting the power source

Do not remove the battery while the product is on, or while images are being recorded or deleted. Forcibly cutting power in these circumstances could result in loss of data or in damage to product memory or internal circuitry.


✓ The Self-Timer Lamp/AF-Assist Illuminator LED

The light-emitting diode (LED;  4, 30, 115) used in the self-timer lamp/AF-assist illuminator conforms to the following IEC standard:

CLASS 1 LED PRODUCT

IEC60825-1 Edition 1,2-2001

The Battery

- Check the battery level when taking the camera out and charge the battery if necessary ( 12). Do not continue charging once the battery is fully charged, as this will result in reduced battery performance. If possible, carry a fully charged spare battery when taking pictures on important occasions.
- Do not use the battery at ambient temperatures below 0 °C (32 °F) or above 40 °C (104 °F). During charging, the temperature should be in the vicinity of 5 to 35 °C (41 to 95 °F). Note that the battery may become hot during use; wait for the battery to cool before charging. Failure to observe these precautions could damage the battery, impair its performance, or prevent it from charging normally.
- On cold days, the capacity of batteries tends to decrease. Be sure that the battery is fully charged before heading outside to take pictures in cold weather. Keep spare batteries in a warm place and exchange as necessary. Once warmed, a cold battery may recover some of its charge.
- Dirt on the battery terminals can prevent the camera from functioning.
- When the battery is not in use, remove it from the camera or battery charger and replace the terminal cover. The camera and battery charger draw minute amounts of current even when off; if left in place, the battery could be drained to the point that it no longer functions. Turning the camera on or off while the battery is exhausted can result in reduced battery life. If the battery will not be used for an extended period, store it in a cool (15 to 25 °C / 59 to 77 °F), dry place. Recharge it at least once a year and run it flat before returning it to storage.
- Replace the battery when it no longer holds a charge. Used batteries are a valuable resource. Please recycle used batteries in accordance with local regulations.

Cleaning

Lens	Avoid touching glass parts with your fingers. Remove dust or lint with a blower (typically a small device with a rubber bulb attached to one end that is pumped to produce a stream of air out the other end). To remove fingerprints or other stains that cannot be removed with a blower, wipe the lens with a soft cloth, using a spiral motion that starts at the center of the lens and working toward the edges. If this fails, clean the lens using a cloth lightly dampened with commercial lens cleaner.
Monitor	Remove dust or lint with a blower. To remove fingerprints and other stains, clean the monitor with a soft, dry cloth, being careful not to apply pressure.
Body	Use a blower to remove dust, dirt, or sand then wipe gently with a soft, dry cloth. After using the camera at the beach or seaside, wipe off any sand or salt with a dry cloth lightly dampened with fresh water, then dry thoroughly. Note that foreign matter inside the camera could cause damage not covered by the warranty.

Do not use alcohol, thinner, or other volatile chemicals.

Storage

Turn the camera off when not in use. Check that the power-on lamp is off before putting the camera away. Remove the battery if the camera will not be used for an extended period. Do not store the camera with naphtha or camphor moth balls or in locations that:

- are next to equipment that produces strong electromagnetic fields, such as televisions or radios
- are exposed to temperatures below -10°C (14°F) or above 50°C (122°F)
- are poorly ventilated or subject to humidities of over 60%

To prevent mold or mildew, take the camera out of storage at least once a month. Turn the camera on and release the shutter a few times before putting the camera away again.























Notes on the Monitor

- The monitor may contain a few pixels that are always lit or that do not light. This is a characteristic common to all TFT LCD displays, and does not indicate a malfunction. Images recorded using the product will not be affected.
- When framing bright subjects, vertical comet-like streaks that whiten toward either end may appear in the display. This phenomenon, known as “smear,” does not appear in the final photograph and does not indicate a malfunction. Some smear may appear in movies.
- Images in the monitor may be difficult to see under bright lighting.
- The monitor is lit by an LED backlight. Should the monitor begin to dim or flicker, contact your Nikon service representative.


Error Messages
















The following table lists the error messages and other warnings displayed in the monitor, as well as the solutions for dealing with them.

Display	Problem	Solution	
 (blinks)	Clock not set.	Set clock.	108
	Battery running low.	Prepare to charge or change battery.	12
 Warning! Battery exhausted.	Battery exhausted.	Charge or change battery.	12
RF ● (● blinks red)	Camera cannot focus.	<ul style="list-style-type: none"> • Refocus. • Use focus lock. 	24, 25, 97
 Warning!! please wait for the camera to finish recording. 	Camera cannot perform other operations until recording is complete.	Wait until message clears from display automatically when recording is complete.	25
 Memory card is write protected.	Write-protect switch is in "lock" position.	Slide write-protect to "write" position.	19
No card present.	Pictmotion mode selected when no memory card is inserted.	Insert memory card.	18
 This card cannot be used.	Error accessing memory card.	<ul style="list-style-type: none"> • Use approved card. • Check that connectors are clean. • Confirm that memory card is correctly inserted. 	122
 Warning! This card cannot be read.			18
 Card is not formatted. No Format	Memory card has not been formatted for use in camera.	Choose [Format] and press  to format card, or turn camera off and replace card.	19
 Out of memory.	Memory card is full.	<ul style="list-style-type: none"> • Choose smaller image size. • Delete pictures or sound files. • Insert new memory card. • Remove memory card and use internal memory. 	89 19, 68, 72 18 19

Display	Problem	Solution	
 Image cannot be saved.	Error occurred while recording picture.	Format internal memory or memory card.	117
	Camera has run out of file numbers.	<ul style="list-style-type: none"> • Insert new memory card. • Format internal memory or memory card. 	18 117
	Cannot edit selected picture.	Select picture that supports crop D-Lighting or small picture.	48
	Picture cannot be used for welcome screen.	Choose picture 640 × 480 pixels or larger, or picture taken at an image mode setting other than [16:9].	50, 51, 89
	Cannot copy picture.	Delete pictures from destination.	102
 Sound file cannot be saved.	Camera has run out of file numbers.	<ul style="list-style-type: none"> • Insert new memory card. • Format internal memory or memory card. 	18 117
 Image has already been modified. D-Lighting cannot be used.	Image cannot be enhanced using D-Lighting.	Copies from D-Lighting, crop, or small picture option cannot be adjusted using D-Lighting.	49
 Cannot record movie.	Time out error while recording movie.	Choose memory card with faster write speed.	122
 Memory contains no images.	<ul style="list-style-type: none"> • No pictures or sound file in the internal memory or memory card. • Memory card does not contain pictures or sound file. 	– To copy picture or sound file from internal memory to memory card, press MENU . The copy option screen or copy sound file screen will be displayed.	– 104, 73
 No sound file.			
 File contains no image data.	File not created with COOLPIX S50	View file on computer or other device.	–
 This file cannot be played back.			

Error Messages

Display	Problem	Solution	
i All images are hidden.	Date and time are not set for pictures to be displayed by calendar mode or list by date mode.	—	—
Pictmotion cannot be created.	Error occurred when creating Pictmotion movie.	Start creating Pictmotion movie from the beginning.	57
Pictmotion cannot be played back.	Pictmotion files have been deleted or moved.	Delete affected Pictmotion movie.	59
i This image cannot be deleted.	Picture is protected.	Disable protection.	102
i New city is in the current time zone.	Destination in same time zone as home.	—	110
Lens error i	Lens error.	Turn camera off and then on again. If error persists, contact retailer or Nikon representative.	20
Lens cover error i	Finger or other obstruction prevents lens cover from opening.	Turn camera off and remove obstruction.	4, 125
i Communications error	Audio video/USB cable disconnected during transfer or printing.	If PictureProject displays error, click [OK] to exit. Resume operation after turning camera off and reconnecting cable.	75, 80
	[USB] option incorrect.	Choose correct [USB] option.	75, 76
	PictureProject did not start.	—	—
i No images are marked for transfer.	No pictures selected for transfer.	Select pictures for transfer in the playback menu and try again.	78, 103



Display	Problem	Solution	
① Transfer error	Transfer error.	<ul style="list-style-type: none"> • Check battery level. • Check that audio video/USB cable is connected. 	20 75
System error ❗	Error has occurred in camera's internal circuitry.	Turn camera off, remove and reinsert battery, and turn camera on. If error persists, contact retailer or Nikon representative.	15, 20
①  Printer error. Check printer status.	Running out of ink or printer error.	Check printer. After checking the ink or solving the problem, select [Resume] and press  to resume printing.*	—
①  Printer error: check paper	Specified size of paper is not loaded in printer.	Load the specified paper, select [Resume], and press  to resume printing.*	—
①  Printer error: paper jam	Paper has jammed in the printer.	Eject the jammed paper, select [Resume], and press  to resume printing.*	—
①  Printer error: out of paper	No paper is loaded in printer.	Load the specified paper, select [Resume], and press  to resume printing.*	—
①  Printer error: check ink	Ink error.	Check ink, select [Resume], and press  to resume printing.*	—
①  Printer error: out of ink	Ink cartridge is empty.	Replace ink, select [Resume], and press  to resume printing.*	—
①  Printer error: file corrupt	An error caused by the image file has occurred.	Select [Cancel] and press  to cancel printing.	—

* See the documentation provided with your printer for further guidance and information.

Troubleshooting

If the camera fails to function as expected, check the list of common problems below before consulting your retailer or Nikon representative. Refer to the page numbers in the right-most column for more information.




Display, Settings and Power Supply

Problem	Cause/Solution	
Monitor is blank	<ul style="list-style-type: none"> • Camera is off. • Battery is exhausted. • Standby mode for saving power: press the shutter-release button halfway. • When flash lamp blinks red, wait until flash has charged. • Camera and TV are connected via audio video/USB cable. • Time lapse or interval timer photography in progress. 	20 20 21, 24 29 75 74
Monitor is hard to read	<ul style="list-style-type: none"> • Adjust monitor brightness. • Monitor is dirty. Clean monitor. • Monitor has dimmed to save power. Monitor brightens when controls are used. 	111 127 21
Camera turns off without warning	<ul style="list-style-type: none"> • Battery is low. • Camera has turned off automatically to save power. • Battery is cold. 	20 126
Date and time of recording are not correct	<ul style="list-style-type: none"> • Pictures recorded before clock has been set, and "Date not set" indicator blinks during shooting, will have time stamp of "00/00/0000 00:00"; movies and voice recordings will be dated "01/01/2007 00:00." • Check camera clock regularly against more accurate timepieces and reset as required. 	16 108
No indicators displayed in monitor	[Hide info] is selected for [Photo info]. Select [Show info].	111
[Date imprint] not available	Camera clock has not been set.	16, 108
Date not appearing on pictures even when [Date imprint] is enabled	Date does not appear on movies or on pictures taken using  .	62, 40
Camera settings reset	Backup battery is exhausted; all settings were restored to their default values.	109










Electronically Controlled Cameras

In extremely rare instances, unusual characters may appear in the monitor and the camera may stop functioning. In most cases, this phenomenon is caused by a strong external static charge. Turn the camera off, remove and replace the battery, and then turn the camera on again. In the event of continued malfunction, contact your retailer or Nikon representative. Note that disconnecting the power source as described above may result in the loss of any data not recorded to internal memory or the memory card at the time the problem occurred. Data already recorded will not be affected.


Shooting




Problem	Cause/Solution	
No picture taken when shutter-release button is pressed	<ul style="list-style-type: none"> When camera is in playback mode, press  or the shutter-release button. When menus are displayed, press MENU. Battery is exhausted. When flash lamp blinks, flash is charging. 	26 10 20 29
Camera cannot focus	<ul style="list-style-type: none"> The intended subject is one with which autofocus does not perform well. Set [AF assist] in the setup menu to [Auto]. Focus error. Turn camera off and then on again. 	25 115 20
Pictures are blurred	<ul style="list-style-type: none"> Use flash. Use anti-shake mode. Use high-sensitivity shooting mode. Use vibration reduction. Use BSS. Use tripod and self-timer. 	28 42 33 114 95 30
Bright specks appear in pictures taken with flash	Flash is reflecting off particles in air. Turn flash off.	29
Flash does not fire	<ul style="list-style-type: none"> Flash is off. Some scene modes that cannot turn on flash are selected. Anti-shake mode is applied.  modes other than [Time-lapse movie ★] and [Stop-motion movie] are selected. [Continuous] or [Multi-shot 16] is selected for [Continuous], or [On] is selected for [BSS]. 	28 34 42 62 93, 95
Optical zoom cannot be used	Optical zoom cannot be used while recording movies.	62

Troubleshooting

Problem	Cause/Solution	
Digital zoom cannot be used	Digital zoom is not available when [Multi-shot 16] is selected for [Continuous].	93
[Image mode] not available	[Image mode] cannot be adjusted when [Multi-shot 16] is selected for [Continuous].	93
No sound when shutter is released	<ul style="list-style-type: none"> • [Off] is selected for [Sound settings] > [Shutter sound] in setup menu. • [Continuous] or [Multi-shot 16] is selected for [Continuous], or [On] is selected for [BSS] in shooting menu. •  ([Sports] scene mode) or  ([Museum] scene mode) is selected. • Anti-shake mode or  mode (other than [Time-lapse movie ★] and [Stop-motion movie]) is selected. 	115 93, 95 35, 38 42, 62
AF-assist illuminator does not light	<ul style="list-style-type: none"> • [Off] is selected for AF assist option in camera setup menu. • AF-assist illuminator turns off automatically in some modes. 	115 35-40
Pictures appear smeared	Lens is dirty. Clean lens.	127
Colors are unnatural	White balance does not match light source.	91
Randomly spaced bright pixels ("noise") appear in image	Shutter speed too slow. Noise can be reduced by: <ul style="list-style-type: none"> • Using flash • Specifying a lower ISO sensitivity setting 	28 96
Pictures are too dark (underexposed)	<ul style="list-style-type: none"> • Flash is off. • Flash window is blocked. • Subject is beyond flash range. • Adjust exposure compensation. • Apply high-sensitivity shooting mode, or raise the ISO sensitivity. • Subject is backlit. Select  ([Back light] scene mode) or use fill flash. 	28 22 28 32 33, 96 28, 39
Pictures are too bright (overexposed)	Adjust exposure compensation.	32
Unexpected results when flash set to  (auto with red-eye reduction)	In-Camera Red-Eye Fix may, in very rare cases, be applied to areas not affected by red-eye. Set flash to  (auto) or  (fill-flash) and try again. Note that red-eye reduction is the default setting for one-touch portrait,  , and  modes.	28, 35, 36, 43

Playback

Problem	Cause/Solution	
File cannot be played back	<ul style="list-style-type: none"> File has been overwritten or renamed by computer or other make of camera. Time lapse, stop motion, or interval timer photography in progress: pictures cannot be played back until recording is complete. 	–
Cannot zoom in on picture	Playback zoom cannot be used with movies, small pictures, or pictures that have been cropped to below 320 × 240.	–
Cannot record voice memo	Voice memos cannot be appended to movies.	68
Cannot use D-Lighting, crop, or small picture options	<ul style="list-style-type: none"> These options cannot be used with movies, and pictures taken when [16:9] is applied in the image mode setting. 	68, 89
	<ul style="list-style-type: none"> Select picture that supports D-Lighting, crop, or small picture. 	48
	<ul style="list-style-type: none"> Camera may be unable to use these options with pictures recorded by other cameras. 	–
	<ul style="list-style-type: none"> Other cameras may be unable to play back pictures recorded with this camera. 	–
Cannot create or play Pictmotion movie	<ul style="list-style-type: none"> Camera may be unable to create Pictmotion movies from pictures recorded by other cameras. Camera may be unable to play Pictmotion movies created by other cameras. Other cameras may be unable to play Pictmotion movies created with this camera. Other cameras may be unable to create Pictmotion movies from pictures recorded with this camera. 	–
Custom Pictmotion music tracks are not listed	<ul style="list-style-type: none"> Memory card contains no background tracks. If background tracks were deleted when memory card was formatted, or memory card has been replaced, copy tracks to card again. 	59
	<ul style="list-style-type: none"> User-defined music tracks copied to the memory card by another camera cannot be used. Format or replace memory card, and copy tracks to card again. 	18, 117

Problem	Cause/Solution	
Pictures not displayed on television	<ul style="list-style-type: none"> • Choose correct video mode. • Memory card contains no pictures. Replace memory card. Remove memory card to play back pictures from internal memory. 	118 18
PictureProject does not start when camera is connected	<ul style="list-style-type: none"> • Camera is off. • Battery is exhausted. • Audio video/USB cable is not correctly connected. • Appropriate [USB] option is not selected. • Camera is not recognized by the computer. • Computer is not set to launch PictureProject automatically. <p>See the supplied <i>PictureProject Reference Manual</i> (on CD) (silver) for more information on PictureProject.</p>	20 20 75 76 – –
Cannot mark pictures for transfer	No more than 1,000 pictures can be marked for transfer. Click [Transfer] in PictureProject to transfer pictures.	77
Transfer marking does not appear	Pictures were marked for transfer using another model of camera. Mark pictures for transfer using COOLPIX S50.	78, 103
Cannot transfer pictures	 cannot be used to transfer pictures from internal memory when [Mass storage] is selected for [USB] or if memory card is locked. Transfer pictures using the [Transfer] button in PictureProject.	19
Cannot transfer Pictmotion movies	<ul style="list-style-type: none"> • Pictmotion movies cannot be transferred to Mac OS. •  cannot be used to transfer Pictmotion movies. Click [Transfer] in PictureProject. 	–
Pictures to be printed or transferred are not displayed	Memory card contains no pictures. Replace memory card. Remove memory card to print or transfer pictures from internal memory.	18
Cannot select paper size with camera	Paper size cannot be selected from the camera if the printer does not support the page sizes used by the camera or the printer automatically selects the page size. Use the printer to select page size.	81, 82

Specifications

Nikon COOLPIX S50 Digital Camera

Type	Compact digital camera
Effective pixels	7.2 million
Image sensor	$\frac{1}{2}$ -in. CCD; total pixels: approx. 7.41 million
Lens	3 \times Zoom-Nikkor lens
Focal length	6.3-18.9mm (equivalent with 35mm [135] format picture angle: 38-114mm)
f/-number	f/3.3-4.2
Construction	12 elements in 9 groups
Digital zoom	Up to 4 \times (equivalent with 35mm [135] format picture angle: approx. 456mm)
Vibration reduction	Lens shift
Autofocus (AF)	Contrast-detect AF
Focus range (from lens)	<ul style="list-style-type: none"> • 30 cm (1 ft.) to ∞ • Macro close-up mode: 4 cm (1.6 in.) to ∞ (middle zoom position)
Focus-area selection	Auto (5-area automatic selection), center, manual with 99 focus areas
AF-assist illumination	Class 1 LED product (IEC 60825-1 Edition 1.2-2001); max. output: 4,300 μ W
Monitor	3.0 in., 230,000-dot, TFT LCD with anti-reflection coating and 5-level brightness adjustment
Frame coverage (shooting mode)	Approx. 100% horizontal and 100% vertical
Frame coverage (playback mode)	Approx. 100% horizontal and 100% vertical
Storage	
Media	<ul style="list-style-type: none"> • Internal memory (approx. 13 MB) • SD (Secure Digital) memory cards
File system	DCF, Exif 2.2, and DPOF compliant
File formats	Compressed: JPEG-Baseline-compliant Movies: QuickTime Sound files: WAV
Image size (pixels)	<ul style="list-style-type: none"> • 3,072 \times 2,304 [High (3072 ★)/Normal (3072)] • 2,592 \times 1,944 [Normal (2592)] • 2,048 \times 1,536 [Normal (2048)] • 1,024 \times 768 [PC screen (1024)] • 640 \times 480 [TV screen (640)] • 3,072 \times 1,728 [16:9]

Specifications

ISO sensitivity (Standard output sensitivity)	ISO 100, 200, 400, 800, 1600, Auto (auto gain to ISO 100 to 800)
Exposure	
Metering	256-segment matrix, center-weighted (digital zoom)
Exposure control	Programmed auto exposure with exposure compensation (-2.0 to +2.0 EV in steps of $\frac{1}{3}$ EV)
Range (ISO 100)	[W]: 0.5 to 16.4 EV [T]: 1.2 to 17.1 EV
Shutter	Mechanical and charge-coupled electronic shutter
Speed	$\frac{1}{2000}$ –4 s
Aperture	Electronically-controlled preset aperture
Range	2 steps (f/3.3 and f/6.6 [W])
Self-timer	Can be selected from 10 and 3 seconds duration
Built-in flash	
Range (approx.) (ISO sensitivity: [Auto])	[W]: 0.3 to 6.0 m (1 ft. to 19 ft. 8 in.) [T]: 0.3 to 4.0 m (1 ft. to 13 ft. 1 in.)
Flash control	Sensor flash system
Interface	Hi-Speed USB
Video output	Can be selected from NTSC and PAL
I/O terminal	Multi connector (supports ImageLink)
Supported languages	Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Indonesian, Italian, Japanese, Korean, Polish, Portuguese, Norwegian, Russian, Spanish, Swedish, Thai
Power sources	<ul style="list-style-type: none"> • One EN-EL8 Rechargeable Li-ion Battery (supplied) • EH-64 AC Adapter
Battery life*	Approx. 130 shots (EN-EL8)
Dimensions (W × H × D)	Approx. 92.5 × 59 × 21 mm (3.6 × 2.3 × 0.8 in.) (excluding projections)
Weight	Approx. 125 g (4.4 oz) without battery and SD memory card
Operating environment	
Temperature	0 to 40 °C (32 to 104 °F)
Humidity	Less than 85% (no condensation)

- Unless otherwise stated, all figures are for a camera with a fully-charged Rechargeable Li-ion Battery EN-EL8 operated at an ambient temperature of 25 °C (77 °F).

* Based on Camera and Imaging Products Association (CIPA) standards for measuring the life of camera batteries. Measured at 23 °C (73 °F); zoom adjusted with each shot, flash fired with every other shot, image mode set to [7] Normal (3072)]. Battery life may vary depending on shooting interval and length of time menus and images being displayed.

Rechargeable Li-ion Battery EN-EL8

Type	Rechargeable lithium-ion battery
Rated capacity	3.7 V/730 mAh
Operating temperature	0 to 40 °C (32 to 104 °F)
Dimensions (W × H × D)	Approx. 35 × 47 × 5 mm (1.4 × 1.9 × 0.2 in.)
Weight	Approx. 17 g (0.6 oz) (excluding terminal cover)

Battery Charger MH-62

Rated input	100-240 V AC, 50/60 Hz, 0.09-0.051 A
Rated capacity	9–12.2 VA
Rated output	DC 4.2 V/0.73 A
Supported batteries	Nikon Rechargeable Li-ion Battery EN-EL8
Charging time	Approx. 2 hours when battery is fully discharged
Operating temperature	0 to 40 °C (32 to 104 °F)
Dimensions (W × H × D)	Approx. 86 × 19.5 × 59.2 mm (3.4 × 0.7 × 2.3 in.) (excluding projections)
Weight	Approx. 60 g (2.1 oz) (excluding power cable)

Dock Insert PV-12

Dimensions (W × H × D)	Approx. 135.5 × 17.5 × 63 mm (5.3 × 0.6 × 2.5 in.) (excluding projections)
Weight	Approx. 28 g (0.9 oz)

Specifications

Nikon will not be held liable for any errors this manual may contain. The appearance of this product and its specifications are subject to change without notice.

Supported Standards

- **DCF:** Design Rule for Camera File System is a standard widely used in the digital camera industry to ensure compatibility among different makes of camera.
- **DPOF:** Digital Print Order Format is an industry-wide standard that allows pictures to be printed from print orders stored on the memory card.
- **Exif version 2.2:** This camera supports Exif (Exchangeable Image File Format for Digital Still Cameras) version 2.2, a standard that allows information stored with photographs to be used for optimal color reproduction when images are output from Exif-compliant printers.
- **PictBridge:** A standard developed cooperatively by the digital camera and printer industries, allowing photographs to be output directly to a printer without connecting the camera to a computer.
- **ImageLink:** The ImageLink standard allows pictures taken with a digital camera to be printed directly on a household printer, without using a computer.
The camera can be connected directly to any ImageLink-compatible printer for one-touch picture printing.

Symbols

- (anti-shake) button 4, 42
- Anti-shake mode 42
- (apply selection) button 5
- Audio playback mode 71
- Auto mode 20–27
- Calendar mode 53
- (delete) button 10, 26
- (D-Lighting) 49
- (exposure compensation) 5, 32
- Help 11
- High-sensitivity shooting mode 33
- List by date mode 54
- MENU** button 10
- MODE** (mode) button 5, 8
- Movie mode 8, 10, 62, 63
- (one-touch portrait/D-Lighting) button 4, 43, 49
- Pictmotion mode 57
- Playback mode 8, 10, 26, 27
- Playback zoom 47, 50
- Scene mode 10, 34
- (shooting/playback) button 5, 8, 26
- Thumbnail playback 45, 50
- (transfer) button 75, 77, 103
- VR** Vibration reduction 21, 114
- Voice recording mode 8, 69, 106
- Wait icon 128
- W** and **T** (zoom) buttons 5, 22, 31, 68, 71, 81

A

- Accessories 122
- AE-L 41
- AF area mode 97
- AF assist 115
- Anti-shake mode 42
- Audio video/USB cable 74, 75, 77, 80
- Auto off 116
- Auto transfer 118
- Auto-focus mode 67

AV-out connect 74

B

- Back light 39
- Backlit subjects 28, 39
- Battery 14
- Battery charger 12, 122
- Battery level indicator 128
- Battery-chamber/memory card slot cover 5
- Beach/snow 36
- Best shot selector 38, 95
- Blur 133
- Brightness 111
- BSS 98

C

- Cable connector 77, 80
- Cleaning
 - Body 127
 - Lens 127
 - Monitor 127
- Close up 38
- Close-up 31, 38
- Color options 96, 98
- Computer 74–78, 118
 - copying pictures to 74–77
- Continuous 93, 98
- Copy 104
- Copy 39
- Crop 50
- Cyanotype 96

D

- Date 16–17, 108, 112
 - printing 86
- Date counter 113
- Date imprint 112
- Daylight saving time 108
- DCF 140
- Delete 102
- Design rule for camera file system 140
- Digital print order format 85–86, 140

D-Lighting 49

Dock insert 87

DPOF 140

DSCN 123

Dusk/dawn (🌄) 37

E

E-mail 89

Error messages 128–131

Exif version 2.2 140

Exposure compensation 32

Extension 123

F

Face-priority AF 44

File names 123

Fill flash 28

Fireworks show (🎆) 38

Firmware version 121

Flash 28, 119

 lamp 5, 29

 mode 28

Flash mode 98

Focus 6, 24

 area 6, 24

 face-priority 43

Folder names 123

Format 19, 117

Framing 22

FSCN 123

H

High-sensitivity shooting mode 33

I

Image mode 34, 89

ImageLink-compatible printer 87

Interface 74–80, 118

Internal memory 6–7, 18, 90, 117

 capacity 90

 formatting 117

ISO sensitivity 96

J

JPEG 137

JPG 123

L

Landscape (🏞️) 35

Language 16, 118

Lens 4, 127

M

Macro close-up 31

Memory card 6–7, 18, 90, 122

 approved 122

 capacity of 90

 formatting 117

 Inserting and removing 18

 slot 18

Menus 106

Monitor 5, 6–7, 20, 111, 127

 brightness 111

 indicators in 6–7

Monitor settings 111

MOV 123

Movie menu 63

Movie mode 62

Movie options 64

 maximum movie length 64

 Pictmotion 64

 small size 64

 smaller size 64

 Stop-motion movie 64

 Time-lapse movie 64

 TV movie 64

Movies 62, 68

 deleting 68

 playback 68

 recording 62

Multi connector 5

Museum (🏛️) 38

N

Night landscape (🌃) 37

O

One-touch portrait mode 43

 menu 44

taking pictures 43

P

Panorama 40–41

Panorama assist (⌘) 40

Party/indoor (🎉) 36

PictBridge 79–85, 140

Pictmotion by muvee 57

Playback 26, 45–51

 menu 99–104

 thumbnail 45

 zoom 47

Playback menu 99–104

Playback-mode selection menu 8

Power switch 4

Power-on lamp 4, 20

Print set 85, 99

Print size 90

Protect 102

Q

Quick startup 107

R

Record orientation 116

Red-eye reduction 29

Reset all 119

Rotary multi selector 5, 9

Rotate image 103

RSCN 123

S

Self timer 30, 98

Self-timer lamp 4, 30

Setup menu 105–121

Shooting menu 88–96

Shooting-mode selection menu 8

Shutter-release button 4

Slide show 101

Small picture 51

Smear 127

Sound settings 115

Sports (🏆) 35

SSCN 123

Strap, Camera 4

Sunset (🌅) 37

Support information 2

T

Television 74

 connecting to 74

Thumbnail playback 45, 46

Thumbnail wheel 46

Time zone 16–17, 108, 110

Transfer 77

 mark 78, 103, 118

Transfer marking 103

 pictures for 103, 118

Tripod 5

U

USB 118

 connection 75–76, 118

V

Vibration reduction 114

Video mode 118

Voice memos 52

Voice recordings

 Copying 73

 making 69

 Playing 71

Volume 68, 72

W

WAV 123

Welcome screen 105

White balance 91, 98

 preset 92

Z

Zoom 22

 buttons 5

 indicator 6

 playback 47



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