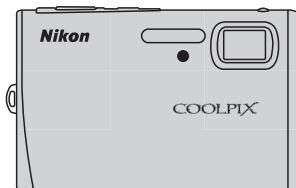


Nikon

DIGITAL CAMERA

COOLPIX S52/S52c

User's Manual



En

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- Pictmotion is powered by muvee Technologies.
- D-Lighting technology is provided by  Apical Limited.
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The COOLPIX S52c includes Apple mDNS source code that is subject to the terms of the Apple Public Source License located at URL <http://developer.apple.com/darwin/>.

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Introduction

First Steps



**Basic Photography and Playback:
Auto Mode**



High-Sensitivity Shooting Mode



Shooting Suited for the Scene



Shooting in 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 the following precautions 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.
- Use only a Rechargeable Li-ion Battery EN-EL8 (supplied). Charge the battery by inserting it into a Battery Charger MH-62 (supplied only with the COOLPIX S52), or by inserting it into the camera and connecting the AC Adapter EH-63 (supplied only with the COOLPIX S52c).
- 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 lightning storms. 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.
- 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 S52/S52c

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.

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About This Manual

Thank you for your purchase of a Nikon COOLPIX S52/S52c digital camera. This manual was 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.”
- The names of menu items displayed in the camera monitor, and the names of buttons or messages displayed in a computer monitor are indicated in bold text.

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

- In this manual, the COOLPIX S52 digital camera is used for illustrative purposes. Illustrations for both the COOLPIX S52 and the COOLPIX S52c are provided when necessary.
- 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 pictures to, or 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 was 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).

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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 was 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.

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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

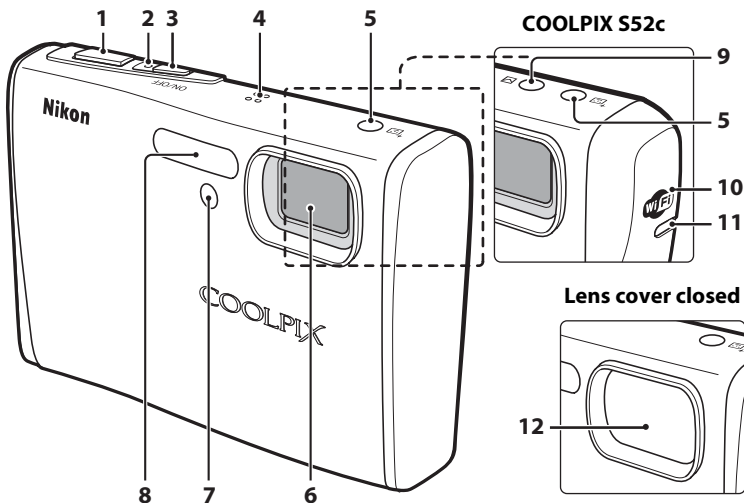
Please note that deleting images or formatting data storage devices such as memory cards or built-in camera memory does not completely erase the original image data. Deleted files can sometimes be recovered from discarded storage devices using commercially available software, potentially resulting in 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 (88 99). Care should be taken to avoid injury or damage to property when physically destroying data storage devices.

If you are using the COOLPIX S52c, reset the wireless LAN settings stored in the camera. For more information, see page 24 and 37 of the *Wireless LAN Connection Guide*.

Parts of the Camera

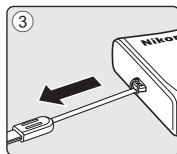
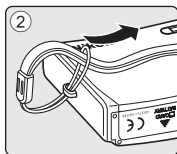
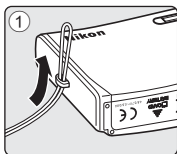
The Camera Body

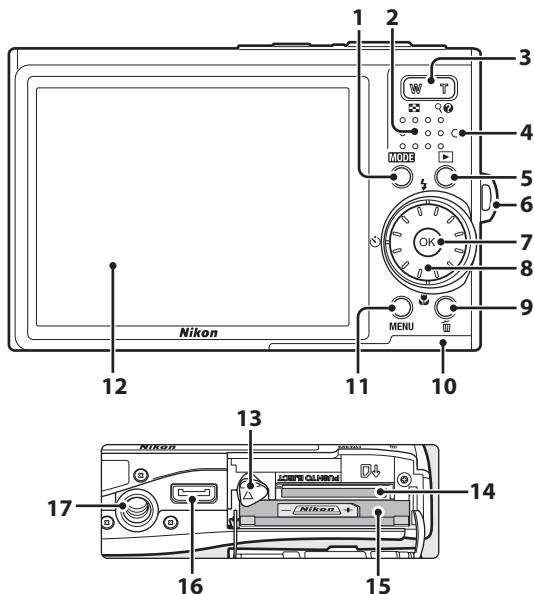


- 1** Shutter-release button..... 26
- 2** Power-on lamp..... 22, 107
- 3** Power switch..... 15
- 4** Built-in microphone..... 50, 60, 64
- 5** (one-touch portrait) button..... 42
- 6** D-Lighting button..... 47
- 7** Lens..... 114, 126
- 8** Self-timer lamp..... 32, 115
- 9** AF-assist illuminator..... 27, 105, 115

- 8** Built-in flash..... 30
- 9** (Picture Mail) button
(COOLPIX S52c only)
.... 41 of the *Wireless LAN Connection Guide*
- 10** Antenna (COOLPIX S52c only)
.... 47 of the *Wireless LAN Connection Guide*
- 11** Wireless LAN LED (COOLPIX S52c only)
.... 47 of the *Wireless LAN Connection Guide*
- 12** Lens cover

Attaching the Camera Strap





1 **MODE** (mode) button.....8

2 Speaker 50, 63, 66

3 Zoom buttons 25
W (wide) 25
T (tele) 25
 [checkered flag] (thumbnail playback) 44
 [magnifying glass] (playback zoom) 45
 [question mark] (help) 11

4 Indicator lamp 64
 Flash lamp 31

5 [play button] (shooting/playback) button 8, 28

6 Eyelet for camera strap 4

7 [OK] (apply selection) button 9

8 Rotary multi selector 9

9 [trash can] (delete) button 28, 29, 50, 63

10 Battery-chamber/
memory card slot cover 14, 20

11 **MENU** button 11, 82, 91

12 Monitor 6

13 Battery latch 14, 15

14 Memory card slot 20

15 Battery chamber 14

16 Multi connector 69, 71, 75

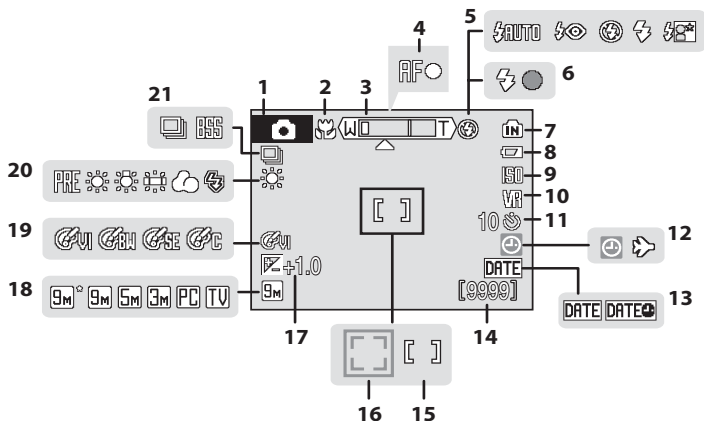
17 Tripod socket

The Monitor

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

The indicators and photo info displayed during shooting and playback will turn off after a few seconds (ⓘ 103).

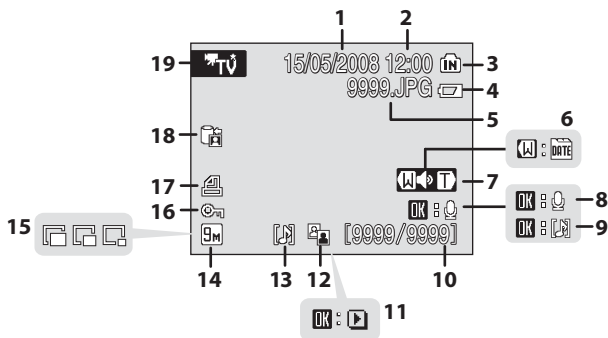
Shooting



1	Shooting mode*.....22, 35, 36, 42, 60	12	"Date not set" indicator.....117
2	Macro mode.....33	13	Time zone indicator100
3	Zoom indicator.....25, 33	14	Date imprint.....104
4	Focus indicator.....26		Number of exposures remaining (still pictures)22
5	Flash mode.....30		Movie length.....60
6	Flash indicator31	15	Focus area26, 89
7	Internal memory indicator.....23	16	Focus area (Face Priority)42
8	Battery level indicator22	17	Exposure compensation value34
9	ISO sensitivity.....31, 88	18	Image mode83
10	Vibration reduction icon.....105	19	Color options88
11	Self-timer indicator.....32	20	White balance mode.....85
		21	Continuous shooting mode.....87

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

Playback

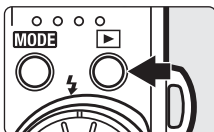


1	Date of recording.....	18	11	Movie playback indicator	63
2	Time of recording.....	18	12	D-Lighting icon.....	47
3	Internal memory indicator.....	28	13	Voice memo icon.....	50
4	Battery level indicator	22	14	Image mode*	83
5	File number and type	113	15	Small picture.....	49
6	List by date guide.....	51	16	Protect icon.....	94
7	Volume indicator.....	50, 63	17	Print-order icon.....	80
8	Voice memo recording guide.....	50	18	Picture Bank pictures icon (COOLPIX S52c only) ...45 of the <i>Wireless LAN Connection Guide</i>	
9	Voice memo playback guide	50	19	Movie option*.....	63
10	Current frame number/ total number of frames.....	28			
	Movie length.....	63			

* Differs according to the selected option.

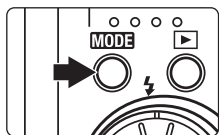
Basic Operations

The (shooting/playback) Button



Press  once in shooting mode to enter playback mode; press again to switch back to shooting mode. If the camera is turned off, hold down  to turn the camera on in playback mode.

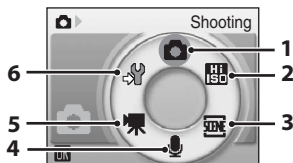
The **MODE** (mode) Button



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.

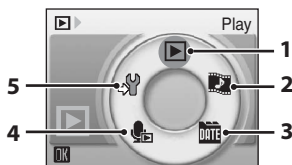
Shooting-mode Selection Menu



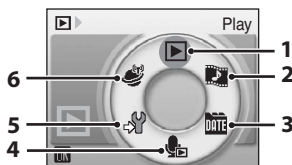
1	Auto mode	22	4	Voice recording mode	64
2	High-sensitivity shooting mode	35	5	Movie mode	60
3	Scene mode.....	36	6	Setup mode.....	97

Playback-mode Selection Menu

COOLPIX S52



COOLPIX S52c



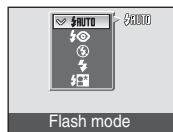
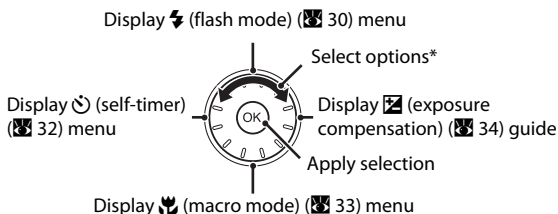
1	Playback mode	28
2	Pictmotion mode	54
3	List by date mode	51
4	Audio playback mode	66

5	Setup mode	97
6	Picture Bank mode (COOLPIX S52c only)44 of the <i>Wireless LAN Connection Guide</i>	

The Rotary Multi Selector

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

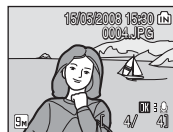
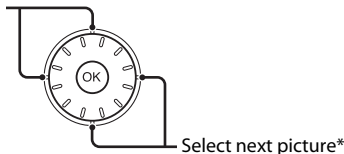
For Shooting



* Items can also be selected by pressing the rotary multi selector up or down.

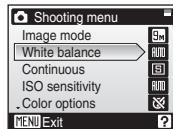
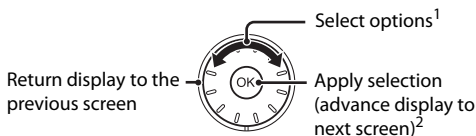
For Playback

Select previous picture*



* Pictures can also be selected by rotating the rotary multi selector.

For the Menu Screen



¹ Items can also be selected by pressing the rotary multi selector up or down. Pressing right or left in shooting/playback-mode selection menu (8) or icons menu (98) will choose the items.

² Pressing right in text menus (98) advances display to the next screen.

Note on the Rotary Multi Selector

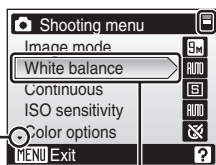
Since the rotary multi selector can be used in various ways, concrete descriptions are included only in cases where necessary. In this manual, up, down, left, and right presses of the rotary multi selector are indicated with ▲, ▼, ◀, and ▶.

The MENU Button

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



Displayed when there are one or more menu items to follow



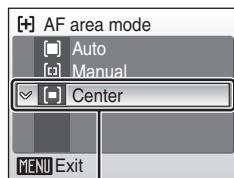
The selected option

Displayed when the menu contains two or more pages

Displayed when there are more previous menu items



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

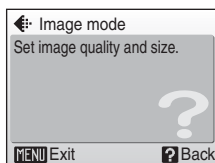
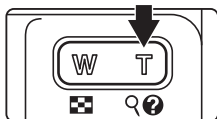


Press **OK** or the rotary multi selector **▶** to apply selection.

Help Displays

Press **T** (?) when ? is displayed at the lower right of the menu screen to view a description of the currently selected menu option.

To return to the original menu, press **T** (?) again.



Charging the Battery Using the Battery Charger (COOLPIX S52)

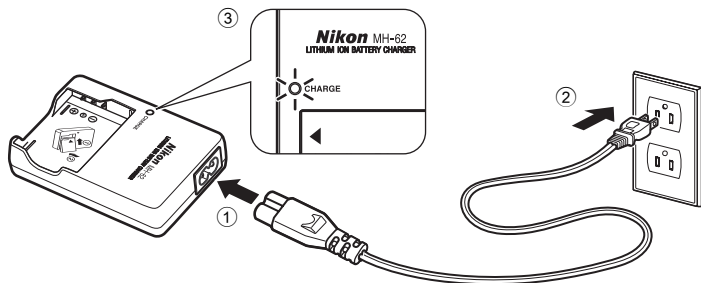
The camera uses a Rechargeable Li-ion Battery EN-EL8 (supplied).

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

- If you are using the COOLPIX S52c, the Battery Charger MH-62 is not supplied with the camera. Insert the battery into the camera and charge it by connecting the AC adapter. Proceed to "Inserting the Battery into the Camera" (14) and "Charging the Battery Using the AC Adapter (COOLPIX S52c)" (16).

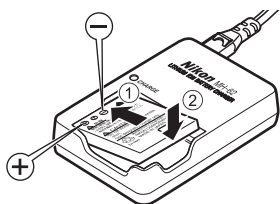
1 Connect the power cable

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.



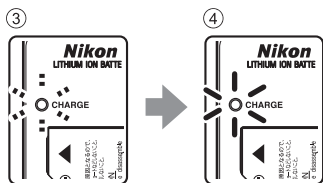
2 Charge the battery

Insert the battery into the battery charger. Slide the battery forward ① and then press down until it locks into place ②.



CHARGE lamp starts blinking ③ when battery is inserted. Charging is complete when lamp stops blinking ④.

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



The following chart explains CHARGE lamp status.

CHARGE lamp	Description
Blinks	Battery charging.
On	Battery fully charged.
Flickers	- Use the charger at an ambient temperature range of 5 to 35 °C (41 to 95 °F) to charge the battery. - The battery is faulty. Unplug the charger immediately and stop charging the battery. Bring the battery and charger to a Nikon-authorized service representative for inspection.

3 Unplug the charger

Remove the battery and unplug the charger.

Notes on the Battery Charger

- Be sure to read and follow the warnings for the battery charger on pages iii and iii 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.

Notes on AC Power Supply

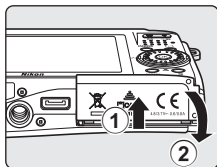
- To power the camera continuously for extended periods, use the AC Adapter EH-63 (available separately from Nikon) (B 112). Do not, under any circumstances, use another make or model of AC adapter. Failure to observe this precaution could result in overheating or in damage to the camera.
If you are using the COOLPIX S52, the battery cannot be charged by inserting it into the camera and connecting the AC adapter.
- The AC adapter and the supplied audio/video cable or USB cable cannot be used at the same time.

Inserting the Battery into the Camera

Insert a Rechargeable Li-ion Battery EN-EL8 (supplied) into the camera.

- Charge the battery before the first use or when the battery is running low. For more information on charging the battery, see “Charging the Battery Using the Battery Charger (COOLPIX S52)” (📖 12) if you are using the COOLPIX S52, or “Charging the Battery Using the AC Adapter (COOLPIX S52c)” (📖 16) if you are using the COOLPIX S52c.

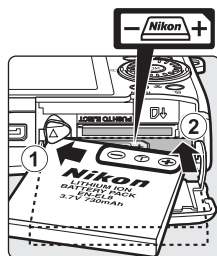
- 1 Open the battery-chamber/memory card slot cover.



- 2 Insert the battery.

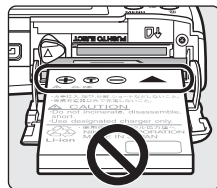
Confirm that the positive (+) and negative (–) terminals are oriented correctly as described on the label at the entrance of the battery chamber, and insert the battery.

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.

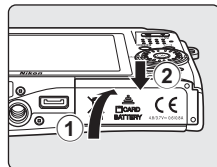


Inserting the Battery

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



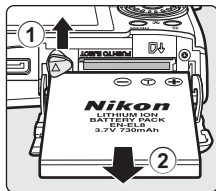
- 3 Close the battery-chamber/memory card slot cover.



Removing the Battery

Turn the camera off and confirm that the power-on lamp is 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.

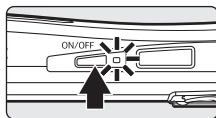
- Note that the battery may become hot during use; observe due caution when removing the battery.



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 while the power-on lamp (green) is on.

- If the camera is turned off, hold down to turn the camera on in playback mode (28).



Note on the Battery

Be sure to read and follow the warnings for the battery on page iii and the section, "The Battery" (115), before using the battery.

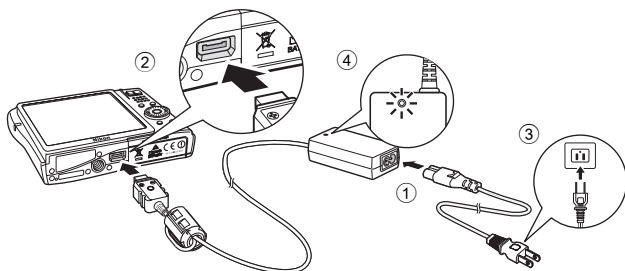
Auto Power Off in Shooting Mode (Standby Mode)

If no operations are performed for about five seconds in shooting mode, the monitor will dim to save power. Using any of the camera controls will reactivate the display. If no operations are performed for about a minute (default setting), the monitor will turn off automatically and the camera will enter standby mode. If no operations are performed for another three minutes, the camera will turn off automatically (107).

Pressing the power switch, or the shutter-release button, while the monitor is off in standby mode will reactivate the monitor.

Charging the Battery Using the AC Adapter (COOLPIX S52c)

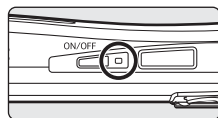
If you are using the COOLPIX S52c, insert a Rechargeable Li-ion Battery EN-EL8 (supplied) into the camera and charge the battery by connecting the AC Adapter EH-63 (supplied) before the first use or when the battery is running low.



1 Connect the power cable and AC adapter ①.

2 Turn off the camera.

If the power-on lamp (green) is lit, press the power switch to turn off the camera. **You cannot charge the battery while the camera is turned on.**



3 Connect the AC adapter to the camera's multi connector ②.

The multi connector should be fully inserted.

4 Plug the power cable into an outlet ③.

The AC adapter power-on lamp will light ④.



Charging the Battery After Setting the Camera's Clock

When the camera's built-in clock has not been set, the battery begins charging when the AC adapter is connected. Once the clock is set, Picture Bank will start when the AC adapter is connected, and the camera will attempt to upload pictures to the my Picturertown server. Press **OK** to cancel picture upload and charge the battery. Picture Bank can be set so that it does not start automatically when the AC adapter is connected. See the *Wireless LAN Connection Guide* for more information on Picture Bank.

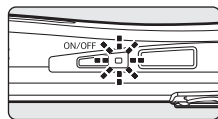
5 The battery begins charging.

The power-on lamp (orange) will blink, and the battery will start charging.

The power-on lamp (orange) stops blinking when charging is complete.

A fully exhausted battery will recharge in about two hours.

The following chart explains power-on lamp status while the AC adapter is connected to the COOLPIX S52c.



Power-on lamp	Description
Blinks (orange)	Battery charging.
On (orange)	Battery fully charged.
On (green)	The camera is on.
Flickers	- Use the charger at an ambient temperature range of 5 to 35 °C (41 to 95 °F) to charge the battery. - If the lamp flickers rapidly, the AC adapter is not correctly inserted or the battery is faulty. Reinsert the AC adapter or replace the battery.

6 Disconnect the camera and AC adapter when charging is complete.

Press the power switch to turn the camera off when the power-on lamp is lit green.

Disconnect the AC adapter from the camera's multi connector.

Be sure to unplug the power cable from the power outlet.

Note on the Power Cable Supplied for the Camera

Only use the power cable for the AC Adapter EH-63 (supplied) for the COOLPIX S52c.

Connecting the AC Adapter EH-63

The AC Adapter EH-63 (supplied) can:

- When the camera is turned on, power the camera from a power outlet.
- If you are using the COOLPIX S52c, the battery inserted into the camera is charged when the camera is turned off with the AC adapter connected.
- If you are using the COOLPIX S52, the AC Adapter EH-63 is not supplied with the camera. Furthermore, the battery cannot be charged while it is inserted into the camera.

Do not, under any circumstances, use another make or model of AC adapter. Failure to observe this precaution could result in fire or product malfunction.

The AC adapter and the supplied audio/video cable or USB cable cannot be used at the same time.

Charging the Battery with the Battery Charger

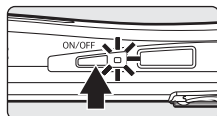
If you are using the COOLPIX S52c, the Battery Charger MH-62 (B-112), for Rechargeable Li-ion Battery EN-EL8, is available separately.

Setting Display Language, Date, and Time

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

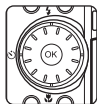
1 Press the power switch to turn on the camera.

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



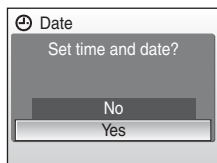
2 Use the rotary multi selector to choose the desired language and press **OK**.

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

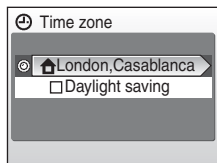


3 Choose **Yes** and press **OK**.

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



4 Press **OK**.



Daylight Saving Time

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

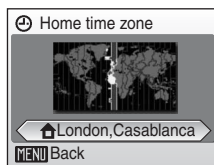
1 Before pressing **OK**, press the rotary multi selector ▼ to choose **Daylight saving**.

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.

- 5** Select your home time zone (F102) and press **OK**.



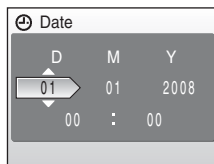
- 6** Edit the date.

Rotate the rotary multi selector, or press **▲** or **▼**, to edit the highlighted item.

Press **▶** to move the highlight in the following order.

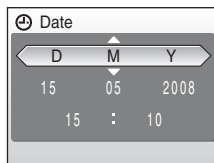
D (day) → **M** (month) → **Y** (year) → hour → minute → **DMY** (the order in which the day, month, and year are displayed)

Press **◀** to return to the previous item.



- 7** Choose the order in which the day, month, and year are displayed and press **OK** or the rotary multi selector **▶**.

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



Changing the Date and Time

- Select **Date** from the **Date** item (F100) in the setup menu (F97) to change the current date and time and follow the procedure described in step 6 above.
- Select **Time zone** from the **Date** item (F100) in the setup menu (F97) to change the time zone and daylight saving time settings.

Inserting Memory Cards

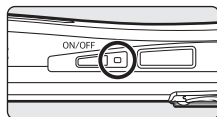
Image, sound, and movie files are stored in the camera's internal memory (approx. 38 MB) or on removable memory cards (available separately) (▶ 112).

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.

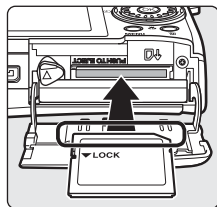
Make sure that the camera is off (power-on lamp is off) before inserting or removing the memory card.



- 2 Insert the memory card.

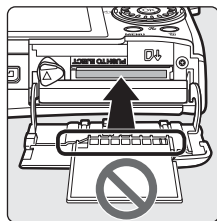
Slide the memory card in correctly until it clicks into place.

Close the battery-chamber/memory card slot cover.



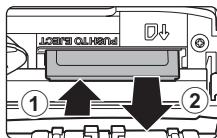
✓ Inserting Memory Cards

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

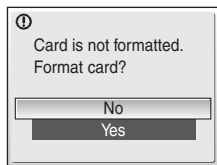
Before removing memory cards, **turn the camera off** and confirm that the power-on lamp is off. Open the battery-chamber/memory card slot cover and press the card in ① to partially eject the card ②. The card can then be removed by hand.



✓ Formatting Memory Cards

If the message at right is displayed, the memory card must be formatted before use (8 107). 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 **Yes** and press OK. A confirmation dialog will be displayed. To start formatting, choose **Format** and press OK.



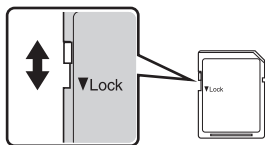
- **Do not turn the camera off or open the battery-chamber/memory card slot cover until formatting is complete.**
- The first time you insert the memory cards used in other devices into this camera, be sure to format them with this camera (8 107).

✓ The Write Protect Switch

Memory cards are equipped with a write protect switch. When this switch is in the "lock" position, data cannot be written to, or deleted from, the memory card. If the switch is in the "lock" position, unlock it by sliding the switch to the "write" position to record or delete pictures, or to format the memory card.

- Be sure that the memory card's write protect switch is in the "write" position when transmitting pictures from the memory card to the my Picturetown server using the wireless LAN function built into the COOLPIX S52c.

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, dust, or to corrosive gases.

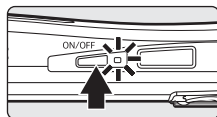
Step 1 Turn the Camera On and Select (Auto) Mode

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

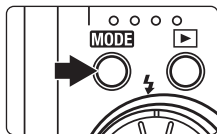
1 Press the power switch to turn on the camera.

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.

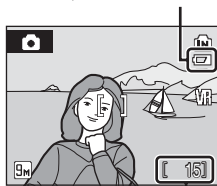


4 Check the battery level and number of exposures remaining in the monitor.

Battery level

Monitor	Description
NO INDICATOR	Battery fully charged.
	Battery low; prepare to charge or replace the battery.
 Warning! Battery exhausted.	Cannot shoot. Recharge or replace with a fully charged battery.

Battery level indicator

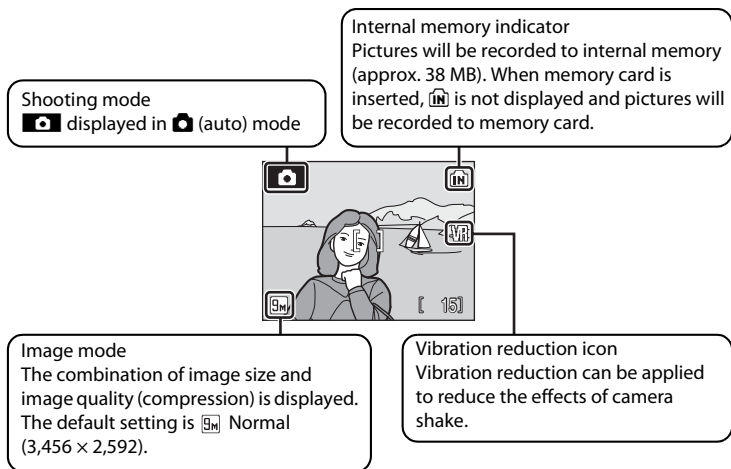


Number of exposures remaining

Number of Exposures Remaining

The number of pictures that can be stored depends on the capacity of the internal memory or memory card and image mode setting ( 84).

Indicators Displayed in (Auto) Mode



The indicators and photo info displayed during shooting and playback will turn off after a few seconds ( 103). When the monitor has turned off in standby mode to save power, press the power switch or the shutter-release button to reactivate it ( 107).

Available Functions in (Auto) Mode

In  (auto) mode, macro mode ( 33) and exposure compensation ( 34) can be applied and pictures can be taken using the flash mode ( 30) and self-timer ( 32). Pressing **MENU** in  (auto) mode allows you to specify settings for all shooting menu items ( 82).

Vibration Reduction

Vibration reduction ( 105), 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.

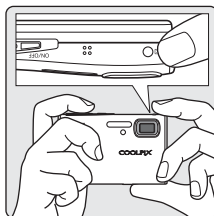
Set **Vibration reduction** to **Off** when using a tripod to stabilize the camera during shooting.

Step 2 Frame a Picture

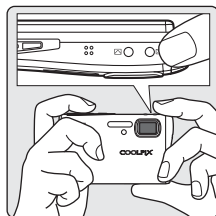
1 Ready the camera.

Hold the camera steadily in both hands, keeping your fingers and other objects away from the lens, flash, AF-assist illuminator, microphone, and speaker.

COOLPIX S52

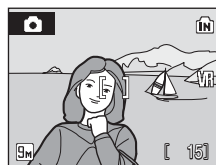


COOLPIX S52c



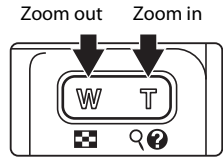
2 Frame the picture.

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.



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

When digital zoom is in effect, the focus area will not be displayed and the camera will focus on the subject in the center focus area.

An indicator displayed at the top of the monitor shows the current zoom ratio.



Zoom indicator is displayed at the top of the monitor when the zoom buttons are pressed.

Maximum magnification of optical zoom (3 $\times$)

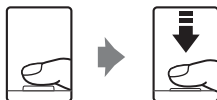
When digital zoom is in effect, indicator turns yellow.

✓ Digital Zoom and Image Quality

Digital zoom differs from optical zoom in that data from the camera's image sensor are enlarged with digital processing, which can result in reduced image quality.

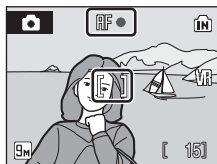
Step 3 Focus and Shoot

1 Press the shutter-release button halfway.



The camera automatically focuses on the subject in the center focus area.

When the subject is in focus, the focus area and focus indicator glow green.



When digital zoom is in effect, the focus area is not displayed. When the camera focuses on the subject in the center of the monitor, the focus indicator will glow green.

When the camera is unable to focus, while the shutter-release button is pressed halfway, the focus area or focus indicator blinks red. Change the composition and try again.

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

The shutter will be released, and 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.



Press the shutter-release button halfway to set focus and exposure.

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

✓ During Recording

While pictures are being recorded, the ⏸ (wait) icon will be displayed, or the  or  icon will blink. Do not open the battery-chamber/memory card slot cover while pictures are being recorded. 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. In some rare cases, the subject may not be in focus despite the fact that the active focus area, or focus indicator, glows green:

- 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 focus on another subject and use focus lock. When using focus lock, be sure that the distance between the camera and the subject with which focus was locked is the same as that for the actual subject.

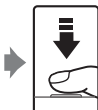
Focus Lock

To focus on an off-center subject when **Center** is selected for **AF area mode**, use focus lock as described below.

- Be sure that the distance between the camera and the subject does not change while focus is locked.



Position the subject in the center focus area.



Press the shutter-release button halfway.



Confirm that the focus indicator is green.



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



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

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  30 may fire by pressing the shutter-release button all the way down.

The illuminator has a range of about 3.5 m (11 ft.) at the maximum wide-angle position and about 3 m (9 ft. 8 in.) at the maximum telescopic position. The AF-assist illuminator can be set to **Off** manually  105, although in this case the camera may not focus when lighting is poor.

Step 4 Viewing and Deleting Pictures

Viewing Pictures (Playback Mode)

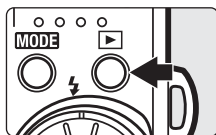
Press .

The last picture taken will be displayed in full-frame playback mode.

Rotate the rotary multi selector, or press , , , or , to view additional pictures ( 9).

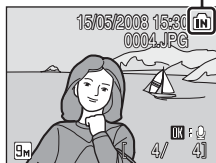
Pictures may be displayed briefly at low resolution while being read from the memory card or internal memory.

Press  to switch to shooting mode.



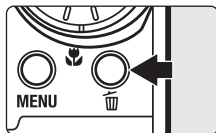
When  is displayed, pictures stored in the internal memory will be displayed. When memory card is inserted,  is not displayed and pictures stored on the memory card will be displayed.

Internal memory
indicator



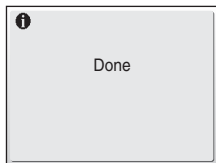
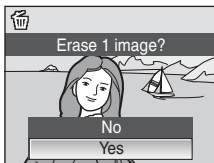
Deleting Pictures

- 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, select **No** and press .



Available Options in 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, up to about 10x. Press OK to return to full-frame playback mode.	45
View thumbnails	W (Z)	Press W (Z) to display 9, 16, or 25 picture thumbnails.	44
D-Lighting	+ (F)	Press + (F) to enhance brightness and contrast in dark portions of pictures.	47
Record/play voice memo	OK	Press OK to record or play back voice memos up to 20 seconds in length.	50
Switch to shooting mode	▶	Press ▶ to switch to the shooting mode selected in the shooting-mode selection menu.	28

Pressing **▶** to Turn On the Camera

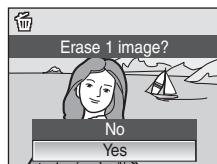
When the camera is off, holding down **▶** will turn the camera on in playback mode. If the camera is turned off in voice recording mode (85 64) or audio playback mode (85 66), the camera will be turned on in audio playback mode the next time.

Viewing Pictures

- Pictures stored in the internal memory can only be viewed if no memory card is inserted.
- Pictures taken in “tall” orientation will be rotated automatically (85 106). The rotating direction can be changed (85 95).
- When the monitor has turned off in standby mode to save power, press the power switch or the shutter-release button to reactivate it (85 107).

Deleting the Last Picture Taken

In shooting mode, press **🗑** to delete the last picture taken.



Using the Flash

The flash has a range of about 0.3–5.5 m (11 in. –18 ft.) when the camera is zoomed out all the way. With maximum optical zoom applied, the range is about 0.3–3.5 m (11 in. –11 ft.) (when **ISO sensitivity** is set to **Auto**). The following flash modes are available.



Auto

Flash fires automatically when lighting is poor.



Auto with red-eye reduction

Reduces “red-eye” in portraits (31).



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 backlit subjects.



Slow sync

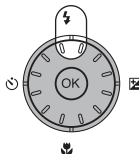
AUTO (auto) is combined with slow shutter speed.

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

Setting the Flash Mode

- 1 Press (flash mode).

The flash mode menu is displayed.

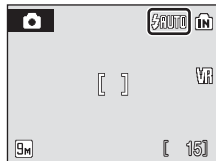
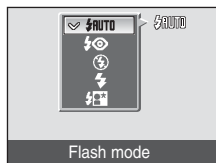


- 2 Use the rotary multi selector to choose the desired flash mode and press .

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

When **AUTO** (auto) is applied, **AUTO** is only displayed for a few seconds regardless of the monitor settings option applied (3103).

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



✓ Shooting When Lighting Is Poor and the Flash Is Disabled (③)

- Use of a tripod is recommended to stabilize the camera during shooting and avoid the effects of camera shake. Turn vibration reduction (ⓧ 105) off when using a tripod.
- The 100 indicator is displayed when the camera automatically increases sensitivity. Pictures taken when 100 is displayed may be slightly mottled.
- When 100 is displayed and higher sensitivity is applied, noise reduction may be automatically applied as pictures taken are recorded; results in increased recording times.

✓ Note on Using the Flash

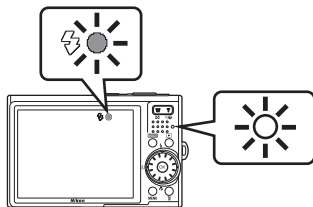
When using the flash at a wide-angle zoom position, reflections from dust particles in the air may appear as bright spots in pictures. To reduce these reflections, set the flash mode to ④ (Off) or zoom in on the subject.

✎ The Flash Indicator and Flash Lamp

The flash indicator and flash lamp indicate 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.

If the battery is low after pictures are taken using the flash, the monitor display will turn off, and remain off, and the flash lamp will blink until the flash is fully charged.



✎ The Flash Mode Setting

The default setting is **SAUTO** (auto), except in some scene modes and one-touch portrait mode.

If the flash mode is adjusted in any scene mode or one-touch portrait mode, the setting reverts to the default setting whenever another shooting mode is selected or the camera is turned off.

✎ Red-Eye Reduction

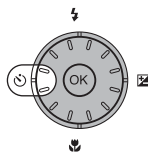
This camera uses advanced red-eye reduction ("In-Camera Red-Eye Fix"). The flash fires repeatedly at low intensity before the main flash, reducing red-eye. The camera then analyzes the picture; if red-eye is detected, the affected area will be processed to further reduce red-eye before the picture is saved. Note that because there is a slight lag between the shutter-release button being pressed and the picture being shot, this mode is not recommended when a quick shutter response is required. The time before the next picture can be shot also increases slightly. Advanced red-eye reduction may not produce the desired results in all situations. In extremely rare instances, areas not subject to red-eye may be affected by advanced red-eye reduction processing; in these cases, choose another mode and try again.

Taking Pictures with the Self-Timer

The camera is equipped with a ten-second and two-second timer for self-portraits. When using the self-timer, use of a tripod is recommended. Turn vibration reduction ( 105) 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 **2s** and press **OK**.

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

2s (two seconds): suited for preventing camera shake

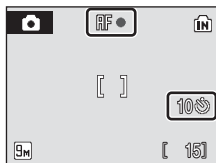
The mode selected for self-timer is displayed.

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



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

Focus and exposure will be set.

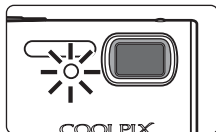
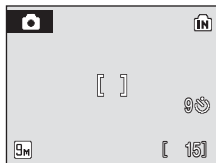


4 Press the shutter-release button the rest of the way down.

The self-timer starts and the number of seconds remaining until the shutter is released is displayed in the monitor. The self-timer lamp will blink. The lamp stops blinking one second before the picture is taken and remains lit until the shutter is released.

When the shutter is released, the self-timer turns off.

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

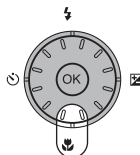


Macro Mode

Macro mode is used for taking pictures of objects as close as 4 cm (1.5 in.). Note that the flash may be unable to light entire subject at distances of less than 30 cm (11 in.).

1 Press (macro mode).

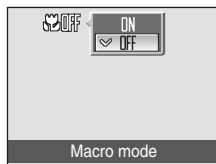
The macro mode menu is displayed.



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

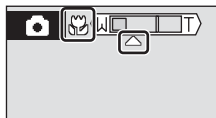
The macro mode icon () is displayed.

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



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

The camera can focus at a distance of 4 cm (1.5 in.) at the zoom position at which  glows green (the zoom indicator is near )



Macro Mode

In macro mode, the camera automatically focuses continuously until focus and exposure are locked by pressing the shutter-release button halfway.

The Macro Mode Setting

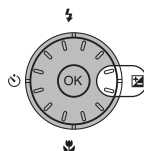
If the macro mode is adjusted in any scene mode or movie mode, the setting reverts to the default setting whenever another shooting mode is selected or the camera is turned off.

Exposure Compensation

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

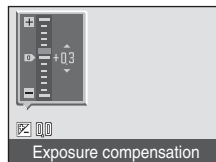
1 Press (exposure compensation).

The exposure compensation guide is displayed.



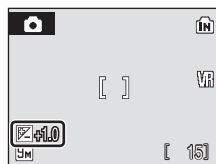
2 Use the rotary multi selector to adjust exposure and press .

- When the subject is too dark: adjust the exposure compensation to "+" side.
- When the subject is too bright: adjust the exposure compensation to "-" side.
- Exposure compensation can be set to values between -2.0 and +2.0 EV.
- The monitor will return to the normal display for the current mode if the setting is not applied by pressing  within a few seconds.



3 The setting is applied.

The value is displayed with the  icon in the monitor.



Exposure Compensation Value

If the exposure compensation value is adjusted in any scene mode or one-touch portrait mode, the setting reverts to **0.0** whenever another shooting mode is selected or the camera is turned off.

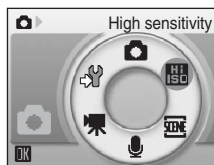
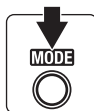
Using Exposure Compensation

The camera tends to lower exposure when the frame is dominated by brightly lit objects and to increase exposure when the frame is mostly dark. Positive compensation may therefore be required to capture the brilliancy of very bright objects that fill the frame (for example, sunlit expanses of water, sand, or snow) or when the background is much brighter than the main subject. Negative compensation may be called for when large areas of the frame contain very dark objects (for example, a swath of dark green leaves) or when the background is much darker than the main subject.

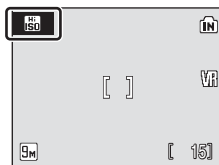
Shooting in High-Sensitivity Shooting Mode

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 2000 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 (X 105) off when using a tripod.
- Pictures taken in this mode may become somewhat grainy.
- Focus may not be precisely fixed in extremely dark places.

Options Available in High-Sensitivity Shooting Mode

- Settings can be changed for flash mode (X 30), self-timer (X 32), macro mode (X 33) and exposure compensation (X 34).
- Pressing **MENU** in high-sensitivity shooting mode allows you to change the settings for all options in shooting menu (except ISO Sensitivity) (X 82).

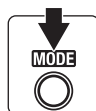
Shooting in Scene Mode

Camera settings are automatically optimized for the selected subject type. The following scene modes are available.

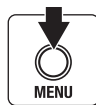
Portrait	Beach/snow	Museum
Landscape	Sunset	Fireworks show
Sports	Dusk/dawn	Copy
Night portrait	Night landscape	Backlight
Party/indoor	Close up	

Setting the Scene Mode

- 1 Enter scene mode by pressing **MODE** in shooting mode, selecting (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.

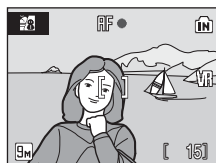


Image Mode

Image mode (83) can be set in the scene menu. Changes made to this setting apply to all shooting modes (except movie menu).



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 center of frame.
- Digital zoom cannot be applied.



* Other settings can be selected.



Landscape



Use this mode for vivid landscapes and cityscapes.

- Camera focuses at infinity. When the shutter-release button is pressed halfway, the focus indicator and focus area (F6) always light; however, focus may not be set for near subjects, while the camera focuses at infinity.



* Other settings can be selected.

NR: Pictures taken in scene modes utilizing **NR** may be processed to reduce noise and therefore take longer to record.



Icons Used for Descriptions

The following icons are used for descriptions in this section: , flash mode (P30); , self-timer (P32); , macro mode (P33); , exposure compensation (P34); , AF-assist illumination (P105).



Scene Mode Settings

Adjustments to the flash mode setting, self-timer setting, macro mode setting, and exposure compensation value applied in any scene mode are cancelled and these settings return to their default values whenever another shooting mode is selected or the camera is turned off.

Shooting in Scene Mode

Sports

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

- The camera focuses continuously until focus is locked by pressing the shutter-release button halfway.
- While the shutter-release button is held down, pictures are taken at rate of up to about 0.9 frames per second (fps) when image mode is set to  **Normal (3456)**. Shooting ends when the shutter-release button is released, or ten shots have been taken with the shutter-release button held down.
- The maximum frame rate with continuous shooting may vary depending upon the current image mode setting and the memory card used.



			Off		Off		0.0*		Off
---	---	---	-----	---	-----	---	------	---	-----

* Other settings can be selected.

Night portrait



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

- Camera focuses on subject in center of frame.
- Digital zoom is not available.



			Off ²		Off		0.0 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.
- Hold the camera steadily as pictures are easily affected by camera shake. When shooting under low lighting, use of a tripod is recommended. Set **Vibration reduction** ( 105) to **Off** when using a tripod.



			Off ²		Off		0.0 ²		Auto ²
---	---	---	------------------	---	-----	---	------------------	---	-------------------

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

² Other settings can be selected.

: For those scene modes with , use of a tripod is recommended. Set **Vibration reduction** ( 105) to **Off** when using a tripod.

: Pictures taken in scene modes utilizing  may be processed to reduce noise and therefore take longer to record.

Beach/snow



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

- Camera focuses on subject in center of frame.



* 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 and focus area (6) always light; 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 and focus area (6) always light; 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. Set **Vibration reduction** (105) to **Off** when using a tripod.

: Pictures taken in scene modes utilizing may be processed to reduce noise and therefore take longer to record.

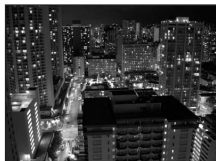
Shooting in Scene Mode

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 and focus area (F 6) always light; however, focus may not be set for near subjects, while the camera focuses at infinity.



* Other settings can be selected.

Close up



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

- Macro mode (F 33) will be turned on and the camera automatically zooms to the position at the closest distance at which the camera can focus.
- The camera can focus at distances as close as 4 cm (1.5 in.) at the wide-angle zoom position at which F 33 glows green (the zoom indicator is near △). The closest distance at which the camera can focus varies depending upon zoom position.
- AF area mode** is set to **Manual** (F 89). When AF is pressed, camera focuses on subject in active focus area.
- The camera focuses continuously until focus is locked by pressing the shutter-release button halfway.
- Digital zoom is not available.
- As pictures are easily affected by camera shake, check the **Vibration reduction** (F 105) setting and hold the camera steadily.



* Other settings can be selected. Note that when shooting with the flash, the flash may be unable to light entire subject at distances of less than 30 cm (11 in.)

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** (Best Shot Selector) (F 87) is used when shooting.
- As pictures are easily affected by camera shake, check the **Vibration reduction** (F 105) setting and hold the camera steadily.



* Other settings can be selected.

: For those scene modes with , use of a tripod is recommended. Set **Vibration reduction** (F 105) to **Off** when using a tripod.

: Pictures taken in scene modes utilizing may be processed to reduce noise and therefore take longer to record.

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 (F 26) glows green; however, focus may not be set for near subjects, while the camera focuses at infinity.

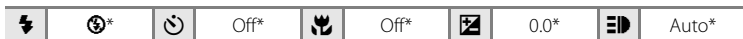
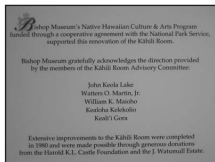


Copy



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

- Camera focuses on subject in center of frame.
- Use macro mode (M 33) to focus at short ranges.
- Colored text and drawings may not show up well.



* Other settings can be selected.

Backlight



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.

: For those scene modes with , use of a tripod is recommended. Set **Vibration reduction** (V 105) to **Off** when using a tripod.

: Pictures taken in scene modes utilizing may be processed to reduce noise and therefore take longer to record.

One-Touch Portrait Mode

When  is pressed with shooting, the camera enters one-touch portrait mode, which is suited to portraits.

The following features are automatically activated:

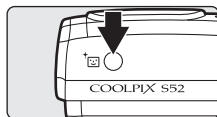
- Settings that make the portrait subject stand out clearly are automatically applied.
- Face-priority AF, with which the camera automatically detects and focuses on faces, is activated.
- **Auto with red-eye reduction** flash mode ( 31) is automatically applied to reduce the “red-eye” phenomenon that often occurs when the flash is used (this setting can be modified).

1 Press (one-touch portrait mode).

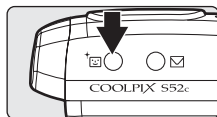
The camera enters one-touch portrait mode.

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

COOLPIX S52



COOLPIX S52c

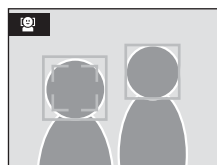


2 Frame the subject.

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

Up to five people can be detected.

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. 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.



3 Press the shutter-release button halfway.

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

Press the shutter-release button the rest of the way down to shoot.



The One-Touch Portrait Menu

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



Image mode

Choose a combination of image size and image quality (compression) (P. 83). Changes made to this setting apply to all shooting modes (except movie mode).



Portrait effect

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



Face-Priority AF

- 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 the subject is not looking directly at the camera
 - When faces take up too much or too little of the frame
- The camera's ability to detect faces depends on a variety of factors, including whether or not the subject is facing the camera.
- 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.
- In some rare cases shooting subjects with which autofocus may not perform as expected (P. 27), the subject may not be in focus despite the fact that the double border glows green. Should this occur, switch to (auto) mode, refocus on another subject positioned at the same distance from the camera as the actual portrait subject, and use focus lock (P. 27).



Settings for One-Touch Portrait Mode

- The flash mode can be changed. When shooting under low lighting with selected for flash mode, processing to reduce noise may be performed automatically, increasing the time required to save pictures.
- The self-timer and exposure compensation can be applied, however, macro mode and digital zoom are not available.

Viewing Multiple Pictures: Thumbnail Playback

Press **W** () in full-frame playback mode ( 28) to display pictures in “contact sheets” of thumbnail images.



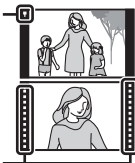
The following operations can be performed while thumbnails are displayed.

To	Use	Description	
Choose pictures		Rotate the rotary multi selector, or press ◀, ▶, ▲, or ▼, to choose pictures.	9
Increase number of picture thumbnails displayed	W ()	Press W () to increase number of picture thumbnails displayed: 9 → 16 → 25	—
Decrease number of picture thumbnails displayed	T ()	Press T () to decrease number of picture thumbnails displayed: 25 → 16 → 9	
Return to full-frame playback		Press  .	28
D-Lighting		Press  to enhance brightness and contrast in dark portions of pictures.	47
Switch to shooting mode		Press  to return to the last shooting mode selected.	28

Thumbnail Playback Mode Display

When protected pictures ( 94) are displayed in 9-picture thumbnail playback mode, the icon shown at right is displayed with them. Movies are displayed as film frames in all thumbnail playback modes.

 Protect icon



Film frames

Taking a Closer Look: Playback Zoom

Pressing **T** (Q) during full-frame playback mode (28) zooms the current picture in 3x, with the center of the picture displayed in the monitor.

The guide at lower right shows which portion of the picture is enlarged.



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 (Z)	Zoom decreases each time W (Z) is pressed. When the magnification ratio reaches 1x, the display returns to full-frame playback mode.	–
Move the display area		Press the rotary multi selector ▲ , ▼ , ◀ , or ▶ to move the display area to other areas of the picture.	9
Return to full-frame playback	OK	Press OK .	28
Crop picture	MENU	Press MENU to crop current picture to contain only the portion visible in the monitor.	48
Switch to shooting mode		Press to return to the last shooting mode selected.	28

Editing Pictures

Use this camera to edit pictures in-camera and store them as separate files (113). The editing features described below are available.

Editing function	Description
D-Lighting (147)	Create a copy of the current picture with enhanced brightness and contrast, brightening dark portions of the picture.
Crop (148)	Enlarge the image or refine the composition and create a copy containing only the portion visible in the monitor.
Small picture (149)	Create a small copy of pictures suitable for use on web pages or as e-mail attachments.

Picture Editing

- This camera's editing functions may not be available for pictures taken with another make or model of camera.
- If a copy created using this camera is viewed on another make or model of 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

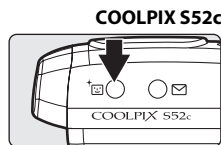
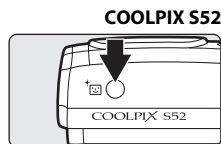
- Copies created with editing functions are not deleted if the original pictures are deleted. The original pictures are not deleted if copies created with editing functions are deleted.
- Edited copies are stored with the same recording date and time as the original.
- Edited copies are not marked for printing (180) or protecting (194) as the original.

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 (🖼️ 28) or thumbnail (🖼️ 44) playback mode and press **⏏**.

The original version will be shown on the left and the edited version will be shown on the right.



- 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.



More on Playback

More Information

See "Image/Sound File and Folder Names" (📖 113) for more information.

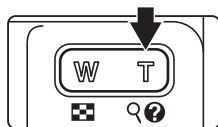
Creating a Cropped Copy: Crop

Create a copy containing only the portion visible in the monitor when **MENU** (X) is displayed with playback zoom (X 45) enabled. Cropped copies are stored as separate files.

1 Press **T** (Q) in full-frame playback mode to zoom in on the image.

To crop a picture displayed in "tall" (portrait) orientation, zoom in on the picture until the width of the picture is greater than that of the display.

To crop the picture in its current "tall" (portrait) orientation, first rotate the picture so that it is displayed in landscape orientation, using the **Rotate image** (X 95) option in the playback menu, before enlarging the picture for cropping.



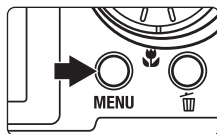
2 Refine copy composition.

Press **T** (Q) or **W** (X) 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.



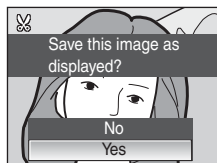
3 Press **MENU**.



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.

To cancel creating a cropped copy, choose **No** and press **OK**.



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).

- **9M** 3,456 × 2,592 • **5M** 2,592 × 1,944 • **4M** 2,272 × 1,704 • **3M** 2,048 × 1,536
- **2M** 1,600 × 1,200 • **1M** 1,280 × 960 • **PC** 1,024 × 768 • **TV** 640 × 480
- **320** 320 × 240 • **160** 160 × 120

More Information

See "Image/Sound File and Folder Names" (X 113) for more information.

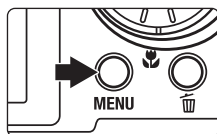
Resizing Pictures: Small Picture

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.

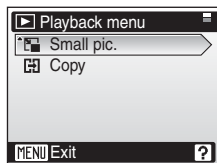
- 1 Select the desired picture from full-frame (28) or thumbnail (44) playback mode and press **MENU**.

The playback menu is displayed.

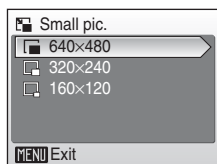


- 2 Use the rotary multi selector to choose **Small pic.** and press **OK**.

To cancel creating a small copy and return to shooting mode, press **MENU**.



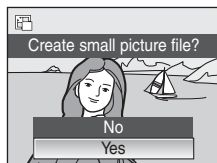
- 3 Choose the desired copy size and press **OK**.



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

A new, smaller copy is created.

To cancel creating a small copy, choose **No** and press **OK**.

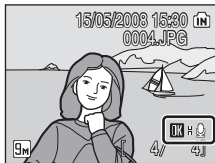


More Information

See "Image/Sound File and Folder Names" (113) for more information.

Voice Memos: Recording and Playback

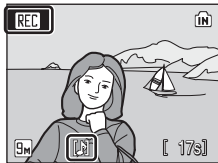
Use the camera's built-in microphone to record voice memos for pictures marked with **OK** :  in full-frame playback mode ( 28).



Recording Voice Memos

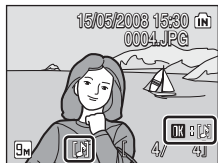
A voice memo, up to 20 seconds in length, will be recorded while **OK** is held down.

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



Playing Voice Memos

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



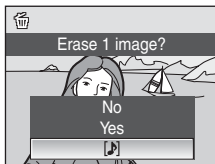
- Pictures with voice memos can be recognized by the **OK** :  and  icons.
- Use the zoom buttons, **T** or **W**, to adjust playback volume.

Deleting Voice Memos

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

Voice Memos

- When a picture with a voice memo attached is deleted, both the picture and its voice memo are deleted.
- If a voice memo already exists for the current picture, a new voice memo cannot be recorded. To modify the existing voice memo, delete only the existing voice memo and then record a new voice memo.
- This camera cannot be used to attach voice memos to pictures taken with another make or model of camera.



More Information

See "Image/Sound File and Folder Names" ( 113) for more information.

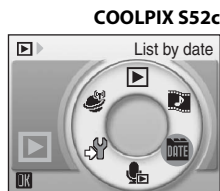
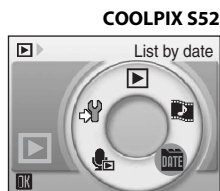
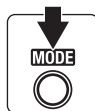
Viewing Pictures by Date

In list by date mode, pictures taken on a specified date can be displayed. In full-frame playback mode, just as with playback mode, picture display can be enlarged, pictures can be edited, voice memos can be recorded or played back, and movies can be played back. When **MENU** is pressed, the list by date menu is displayed, and all pictures taken on a specified date can be selected for deletion, printing, and protection.

Selecting a Date in List by Date Mode

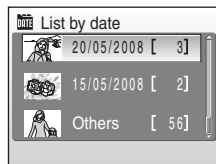
- 1 Enter list by date mode by pressing **MODE** in playback mode, selecting **DATE** (use the rotary multi selector), and then pressing **OK**.

Dates for which pictures exist will be listed.



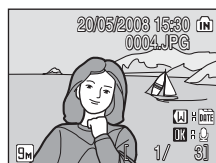
- 2 Choose the desired date and press **OK**.

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 playback mode.

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



Using List by Date Mode

The following operations are possible from the date selection screen.

To	Use	Description	
Select date		Rotate the rotary multi selector, or press ▲ or ▼ , to select a date.	9
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 date selection screen.	29
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.	28
View list by date menu	MENU	Press MENU to display the list by date menu.	53
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.	28

Notes on List by Date Mode

- Only the most recent 9,000 pictures can be displayed in list by date mode.
- Pictures taken with no date stamp are not listed in this mode.

List by Date Menus

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

Print set	 80
Slide show	 93
Delete	 94
Protect	 94
Rotate image*	 95
Small picture*	 49

* During full-frame playback mode only

When **MENU** is pressed in the date selection screen ( 51), options can be applied to all pictures taken on the same date, or all pictures taken on the same date can be deleted. To apply options to individual pictures, or to select individual pictures for deletion, display a picture full-frame and press **MENU**.

Print Set

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

Pictmotion by muvee

Create a Pictmotion* slide show movie that allows you to enjoy playback of selected pictures with specified background music and image effects.

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

* Pictmotion is powered by muvee Technologies.

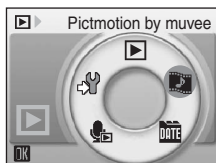
Creating a Pictmotion Movie

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**.



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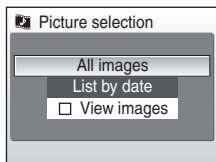
- 2 Choose  and press **OK**.



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

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

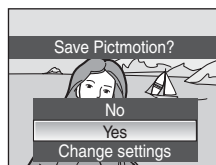
After the created Pictmotion movie is automatically played back, a confirmation dialog will be displayed.



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.

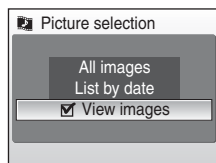
Settings for saved Pictmotion movies cannot be changed. If you wish to change the settings, create a new Pictmotion movie with the desired settings.



Selecting Pictures for a Pictmotion Movie

1 Use the rotary multi selector to choose **View images** in the picture selection screen shown in step 3 of "Creating a Pictmotion Movie" (☒ 54), and press **OK**.

The check box is selected (✓).



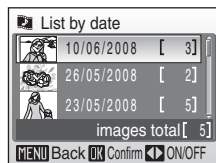
2 Choose **All images** or **List by date** and press **OK**.

All images: Proceed to step 4

List by date: Proceed to step 3

3 Select a date.

- Rotate the rotary multi selector, or press ▲ or ▼, to highlight a date in the list by date screen, and press the rotary multi selector ► to select the date (✓). Remove dates from the selection by highlighting them and pressing the rotary multi selector ◀.
- Multiple dates can be selected.
- Press **OK** to finalize date selection.
- If **View images** is not selected in step 1, only dates can be selected. Proceed to step 5.



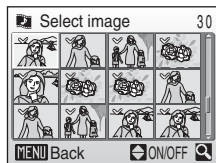
4 Choose pictures.

Rotate the rotary multi selector to choose pictures, and press the rotary multi selector **▲** to select pictures (up to 200) in the select image screen (☑). Remove pictures from the selection by highlighting them and pressing the rotary multi selector **▼**.

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

Press **OK** to finalize picture selection.

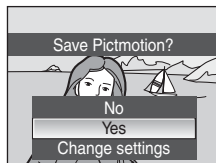
After the created Pictmotion movie is automatically played back, a confirmation dialog will be displayed.



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 already 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 (ⓧ 94).

🔗 Nikon Transfer (Windows only)

The Windows version of the supplied Nikon Transfer software can be used to enjoy Pictmotion movies.

- When transferring pictures from a memory card to a computer using Nikon Transfer, Pictmotion movies created with the camera can be stored as movie files on the computer.
- Up to ten ten-minute, user-defined music tracks can be transferred from a computer to a memory card inserted in the camera.
- Install Nikon Transfer using the supplied Software Suite CD. For further details, refer to help information contained in Nikon Transfer.

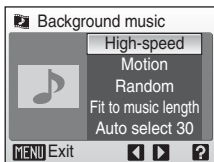
🗑️ Deleting Pictmotion Movies

To delete a Pictmotion movie, choose the desired movie file in the Pictmotion menu (ⓧ 54, step 2), and press **🗑️**. The protect setting (ⓧ 94) applied to pictures used in Pictmotion movies is not removed when the Pictmotion movie is deleted.

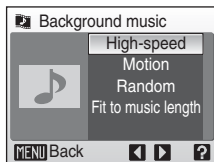
Other Options for Pictmotion Movies

Pressing **MENU** in the Pictmotion screen shown in step 2 of “Creating a Pictmotion Movie” (❏ 54) displays the Pictmotion settings screen, where the options described below (❶ to ❺) can be specified. Selecting **Change settings** in the save confirmation dialog (❏ 55, step 4) displays the change settings screen, where the options described below (except ❺) can be specified.

Pictmotion settings screen



Change settings screen



❶ Background Music

Rotate the rotary multi selector to choose **Background music** and press the rotary multi selector ► to choose background music. Background music is displayed in the following order: **High-speed** (default setting) → **Emotional** → **Natural** → **Up-tempo** → **Relaxed** → **Custom track 1** to **Custom track 10** → **High-speed**.

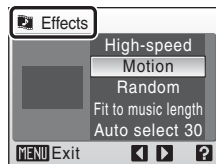
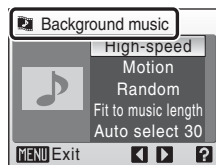
Choose from five preset music tracks and up to ten user-defined music tracks.

- Preset tracks can be played back by pressing **T** (❏).
- Names of the tracks are displayed in the user-defined music track list only when transferred from a computer using Nikon Transfer. User-defined music tracks cannot be played back.

❷ Effects

Rotate the rotary multi selector to choose **Effects** and press the rotary multi selector ► to choose an effect. Effects are displayed in the following order: **Motion** → **Moody** → **Pro-slow** → **Pro-fast** → **Classic** → **Motion**.

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

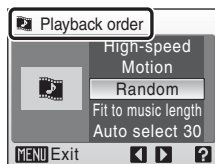


③ Playback Order

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.

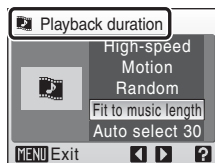


④ Playback Duration

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.

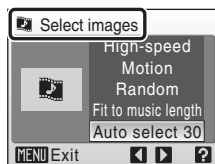
Show all images: Repeat background track until all pictures have been played at least once.



⑤ Selected Images

Rotate the rotary multi selector to choose **Select images** and press the rotary multi selector ► to choose an option. Options are displayed in the following order: **Auto select 30** (default setting) → **Auto select 50** → **Auto select 100** → **Auto select 200** → **No auto select** → **Auto select 30**.

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 (⌘ 55, step 1), the number of pictures selected 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**.



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



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

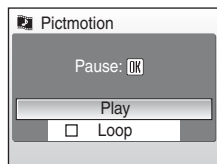
Playback starts.

If **Loop** is selected, the movie will repeat automatically.

To select or deselect **Loop**, choose **Loop** and press **OK**.

Use the zoom buttons, **T** or **W**, to adjust playback volume.

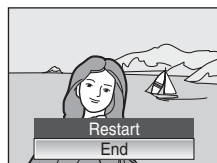
To pause the movie, press **OK** during playback.



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

Monitor returns to that shown in step 2.

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



Pictmotion Playback

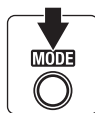
This camera cannot play Pictmotion movies created with another make or model of camera.

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 .

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

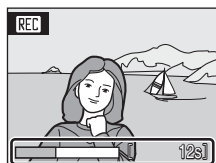


- 2 Press the shutter-release button all the way down to start recording.

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, or recording time reaches ten minutes in length.



Recording Movies

- Flash mode ( 30), self-timer ( 32), and exposure compensation ( 34) cannot be applied or changed. Macro mode ( 33) is available.
- Macro mode setting cannot be applied or changed while movies are being recorded. Apply or change setting as necessary before movie recording begins.
- Optical zoom cannot be adjusted once movie recording begins. Digital zoom cannot be applied before movie recording begins. However, digital zoom (up to 2x) can be applied while movies are being recorded.

Changing Movie Settings

Movie options and auto-focus mode can be changed in the movie menu ( 61).

The Movie Menu

Movie options and **Auto-focus mode** (📷 62) settings can be changed in the movie menu.

Press **MENU** in movie mode to display the movie menu and use the rotary multi selector to modify and apply settings.

📽 Selecting Movie Options

The movie menu offers the options shown below.

Option	Image size and frame rate
📽 TV movie 640★ (default setting)	Image size: 640 × 480 pixels Frame rate: 30 frames per second
📽 Pictmotion 640	Recording automatically stops after 60 seconds. Suited for Pictmotion movies (📷 54). Image size: 640 × 480 pixels Frame rate: 10 frames per second
📽 Small size 320★	Image size: 320 × 240 pixels Frame rate: 30 frames per second

🔗 Movie Options and Maximum Movie Length

Option	Internal memory (approx. 38 MB)	Memory card (256 MB)
📽 TV movie 640★ (default setting)	27 s	Approx. 2 m 50 s
📽 Pictmotion 640	50 s	1 m per movie file
📽 Small size 320★	1 m 7 s	Approx. 7 m

* All figures are approximate. The maximum recording time may vary with make of memory card. This camera can record movies with a maximum length of ten minutes. The amount of recording time remaining (up to ten minutes) is displayed during recording.

🔗 More Information

See "Image/Sound File and Folder Names" (📷 113) for more information.

▶▶ Auto-Focus Mode

Choose how the camera focuses in movie mode.

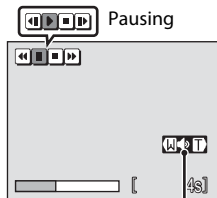
Option	Description
 Single AF (default setting)	Camera focuses when shutter-release button is pressed halfway and locks at this position during shooting.
 Full-time AF	Camera focuses continuously until focus is acquired and locked. To prevent sound of camera focusing from interfering with recording,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

Movie Playback

In full-frame playback mode (F 28), movies are recognized by the movie mode icons. To play a movie, display it in full-frame playback mode and press **OK**.

Use the zoom buttons, **T** or **W**, to adjust playback volume.

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.

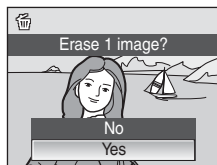


Volume indicator
During playback

To	Select	Description
Rewind	◀	Rewind movie. Playback resumes when OK is released.
Advance	▶	Advance movie. Playback resumes when OK is released.
Pause	⏸	Pause playback. 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	■	End playback and return to full-frame playback.

Deleting Movie Files

Press **W** when displayed in full-frame playback mode (F 28) or when selected in thumbnail (F 44) playback mode. A confirmation dialog is displayed. Select **Yes** and press **OK** to delete the movie, or select **No** to exit 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.

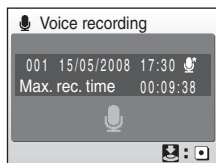


- 2 Press the shutter-release button all the way down to start recording.

The indicator lamp lights during recording.

If no operations are performed for about 30 seconds after voice recording begins, the camera's auto off function is enabled and the monitor turns off.

See "Operations During Recording" (📖 65) for more information.



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

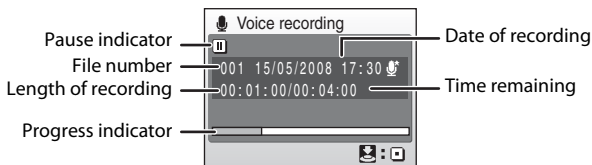
Recording will end automatically if the internal memory or memory card becomes full, or after 60 minutes of recording on the memory card.



More Information

See "Image/Sound File and Folder Names" (📖 113) for more information.

Operations During Recording



To	Press	Description
Reactivate the monitor		If the monitor has turned off, press  to reactivate.
Pause/resume recording		Press once to pause recording; indicator lamp will blink.
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 voice recording length* in the internal memory (approx. 38 MB)
 Normal	Suited for longer recordings.	60 m
 High (default setting)	Record with high quality sound.	29 m 58 s

* All figures are approximate. The maximum length of a single voice recording file, recorded with this camera, is 60 minutes.

Voice Recordings

The files transferred to a computer can be played back using QuickTime or any other WAV-compatible audio player.

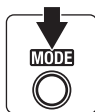
More Information

See "Image/Sound File and Folder Names" ( 113) for more information.

Playing Voice Recordings

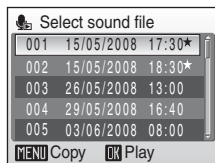
- 1 Enter audio playback mode by pressing **MODE** in playback mode, selecting  (use the rotary multi-selector), and then pressing **OK**.

Voice recordings can also be played back by pressing  in voice recording mode ( 64) to display the select sound file screen.

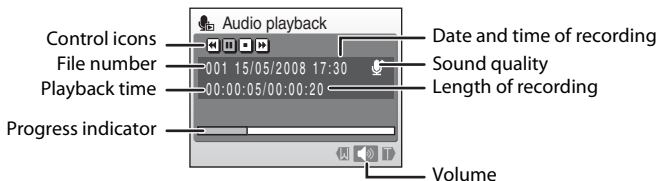


- 2 Choose the desired sound file and press **OK**.

The selected sound file will be played back.



Operations During Playback



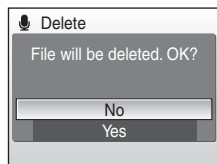
Use the zoom buttons, **T** or **W**, to adjust playback volume.

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.
Pause	⏏	Pause playback.
	▶	Resume playback that has been paused.
End	■	End playback and return to the sound file selection screen.

Deleting Sound Files

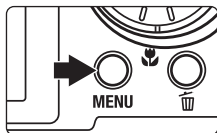
Press **Del** during playback or after selecting a sound file from the select sound file screen. A confirmation dialog is displayed. To delete the file, select **Yes** and press **OK**. To exit without deleting the sound file, select **No**.



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.

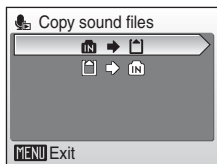
- 1** Press **MENU** in the select sound file screen (66, step 2).



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

IN → **□**: Copy recordings from internal memory to memory card

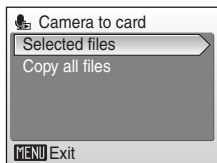
□ → **IN**: Copy recordings from memory card to internal memory



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

Selected files: Proceed to step 4

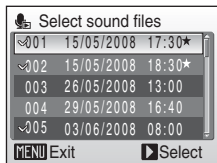
Copy all files: Proceed to step 5



- 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.



- 5** When a confirmation dialog is displayed, choose **Yes** and press **OK**.

Copying starts.

✓ Voice Recordings

This camera may be unable to play or copy sound files created with another make or model of camera.

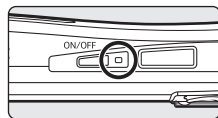
✂ No sound file. Message

If there are no sound files stored on the memory card when **□** is selected (66, 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

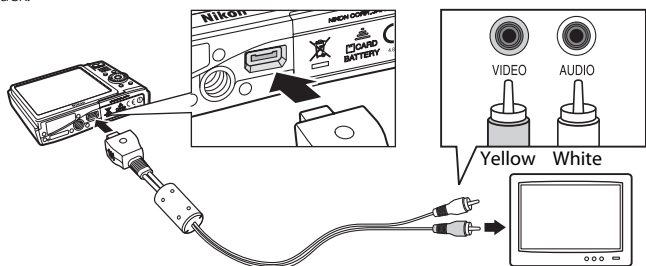
Connect the camera to a television using the supplied audio/video cable to play back pictures on the television.

1 Turn off the camera.



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

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



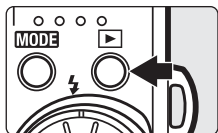
3 Tune the television to the video channel.

See the documentation provided with your television for details.

4 Hold down to turn on the camera.

The camera enters playback mode, and pictures recorded to the internal memory, or memory card, will be displayed on the television.

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



Connecting an Audio/Video Cable

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

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 ( 97)>**Video mode** ( 108).

Connecting to a Computer

When the camera is connected to a computer using the supplied USB cable, pictures recorded with the camera can be copied (transferred) to the computer for storage using the Nikon Transfer software.

Before Connecting the Camera

Installing the Software

Before connecting the camera to a computer, software, including Nikon Transfer, must be installed from the supplied Software Suite CD.

For more information on installing the software, refer to the *Quick Start Guide*.

Operating Systems Compatible with COOLPIX S52/S52c

Windows

Preinstalled versions of Windows Vista (32-bit Home Basic/Home Premium/Business/Enterprise/Ultimate editions), Windows XP Service Pack 2 (Home Edition/Professional)

If your computer is running Windows 2000 Professional, use a card reader or similar device to transfer pictures stored on the memory card to the computer (72).

Macintosh

Mac OS X (version 10.3.9, 10.4.11)

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

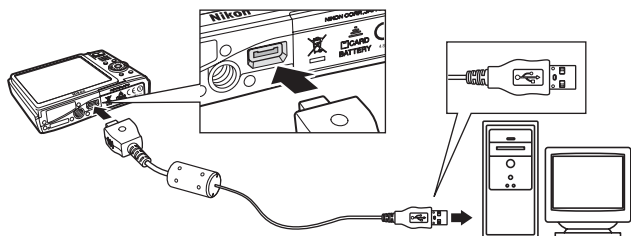


Note on Power Source

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

Transferring Pictures from the Camera to a Computer

- 1 Start the computer to which Nikon Transfer has been installed.
- 2 Turn off the camera.
- 3 Connect the camera to the computer using the supplied USB cable.



- 4 Turn on the camera.

The power-on lamp will light.

Windows Vista

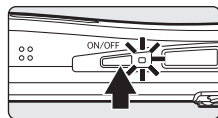
When the AutoPlay dialog is displayed, select **Copy pictures to a folder on my computer using Nikon Transfer**. Nikon Transfer will start. To bypass this dialog in the future, check **Always do this for this device**:

Windows XP

When the AutoPlay dialog is displayed, select **Nikon Transfer Copy pictures to a folder on my computer** and click **OK**. Nikon Transfer will start. To bypass this dialog in the future, check **Always use this program for this action**.

Mac OS X

Nikon Transfer will start automatically if **Yes** was selected in the Auto-Launch setting dialog when Nikon Transfer was first installed.

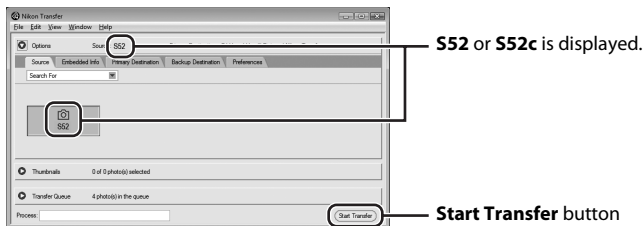


✓ Connecting the USB Cable

- When connecting the USB cable, be sure that the connectors are oriented correctly. Do not use force when connecting the USB cable. When disconnecting the 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.

5 Transfer pictures when Nikon Transfer has finished loading.

Click **Start Transfer** in Nikon Transfer. At the default setting, all pictures are transferred to the computer.



At the Nikon Transfer default settings, the folder to which pictures are transferred is automatically opened when transfer is complete.

For more information on using Nikon Transfer, refer to help information contained in Nikon Transfer.

6 Disconnect the camera when transfer is complete.

Turn the camera off and disconnect the USB cable.

For Users of Windows 2000 Professional

Use a card reader or similar device to transfer the pictures stored on the memory card to the computer. If the memory card has a capacity greater than 2 GB, or is SDHC-compliant, the intended device must support these features of the memory card.

- At the Nikon Transfer default settings, Nikon Transfer will start automatically when a memory card is inserted into the card reader or similar device. See step 5 above to transfer pictures.
- Do not connect the camera to the computer. If the camera is connected to the computer, the **Found New Hardware Wizard** dialog will be displayed. Select **Cancel**, close the dialog, and disconnect the camera from the computer.
- To transfer pictures stored in the camera's internal memory to the computer, the pictures must first be copied to a memory card using the camera (68, 96).



Using Standard OS Operations to Open Image/Sound Files

- Navigate to the folder on the computer's hard disk to which pictures were saved and open a picture in the viewer supplied with your operating system.
- Sound files copied to the computer can be played back using QuickTime or any other WAV-compatible audio player.

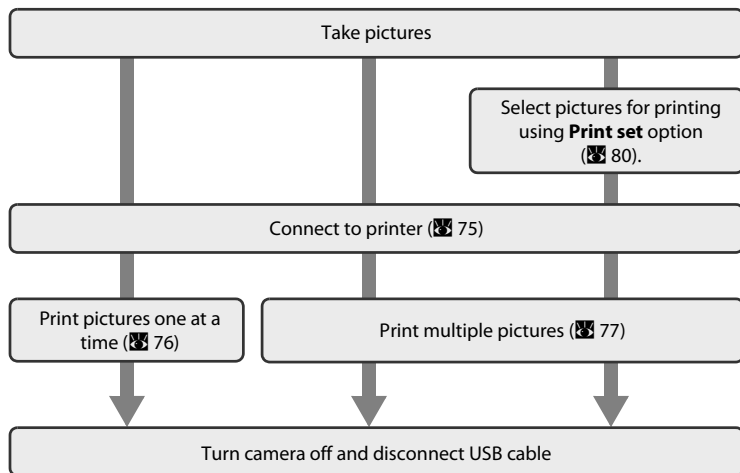


More Information

See "Image/Sound File and Folder Names" (B 113) for more information.

Connecting to a Printer

Users of PictBridge-compatible (📷 129) 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 printer, use a fully charged battery to prevent the camera from turning off unexpectedly.

💡 Printing Pictures

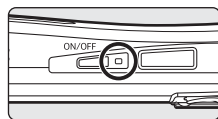
In addition to printing pictures transferred to a computer from your personal printer and printing over a direct camera-to-printer connection, the following options are also available for printing pictures:

- 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 (📷 80).

Connecting the Camera and Printer

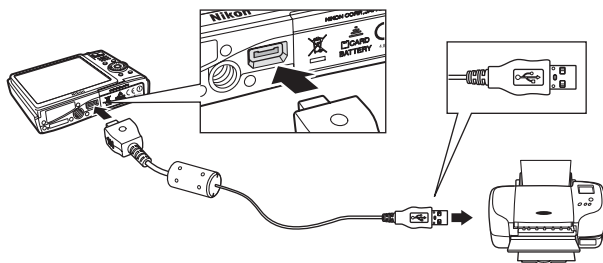
- 1 Turn off the camera.



- 2 Turn on the printer.

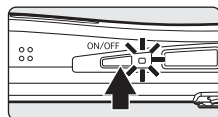
Check printer settings.

- 3 Connect the camera to the printer using the supplied USB cable.



- 4 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 USB Cable

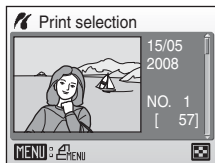
When connecting the USB cable, be sure that the connectors are oriented correctly. Do not use force when connecting the USB cable. When disconnecting the USB cable, do not pull the connector at an angle.

Printing Pictures One at a Time

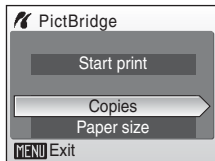
After connecting the camera to the printer correctly (p. 75), print pictures by following the procedure below.

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

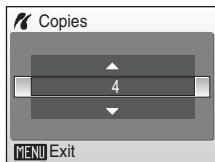
Press **W** () to display 12 thumbnails, and **T** () to switch back to full-frame playback.



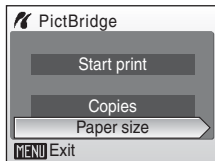
- 2 Choose **Copies** and press **OK**.



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

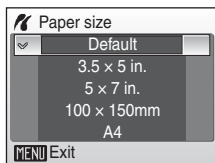


- 4 Choose **Paper size** and press **OK**.

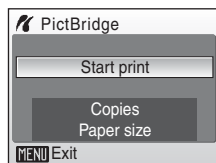


- 5 Choose the desired paper size and press **OK**.

To specify paper size using printer settings, choose **Default** in the paper size menu.



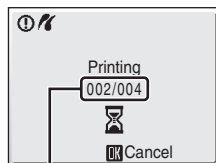
- 6** Choose **Start print** and press **OK**.



- 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**.



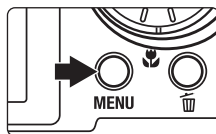
Current print/
total number of prints

Printing Multiple Pictures

After connecting the camera to the printer correctly (X 75), print pictures by following the procedure below.

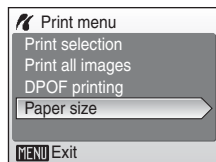
- 1** When the print selection screen is displayed, press **MENU**.

The print menu is displayed.



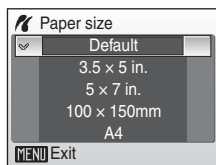
- 2** Use the rotary multi selector to choose **Paper size** and press **OK**.

To exit the print menu, press **MENU**.

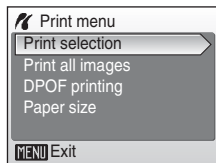


3 Choose the desired paper size and press **OK**.

To specify paper size using printer settings, choose **Default** in the paper size menu.



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



Print selection

Choose the pictures (up to 99) and number of copies (up to nine) of each.

Rotate the rotary multi selector, or press ◀ or ▶, 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.

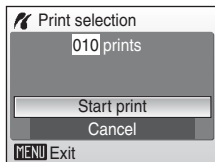
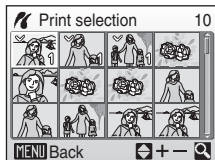
A check mark is not displayed with pictures for which no copies have been specified and these pictures will not be printed.

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

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

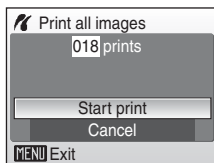
Press **OK** when setting is complete.

To print, choose **Start print** from the menu displayed and shown at right, and press **OK**. Choose **Cancel** and press **OK** to return to the print menu.



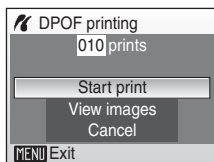
Print all images

All pictures stored in the internal memory, or on the memory card, are printed one at a time. To print, choose **Start print** from the menu displayed and shown at right, and press **OK**. Choose **Cancel** and press **OK** to return to the print menu.

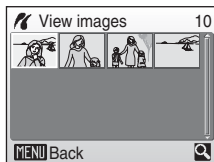
**DPOF printing**

Print pictures for which a print order was created in **Print set** (p. 80).

To print, choose **Start print** from the menu displayed and shown at right, and press **OK**. Choose **Cancel** and press **OK** to return to the print menu.

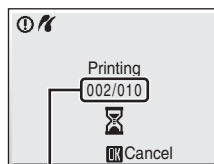


To view the current print order, choose **View images** and press **OK**. To print pictures, press **OK** again.

**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**.



Current print/
total number of prints

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.**, **100 × 150mm**, **4 × 6 in.**, **8 × 10 in.**, **Letter**, **A3**, and **A4**. Only sizes supported by the current printer will be displayed.

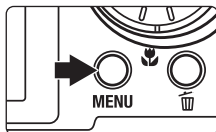
Creating a DPOF Print Order: Print Set

The **Print set** option in the playback menu is used to create digital “print orders” for printing on DPOF-compatible devices (X 129).

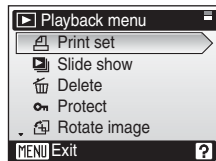
When the camera is connected to a PictBridge-compatible printer, pictures can be printed from the printer according to the DPOF print order you have created for pictures on the memory card. If the memory card is removed from the camera, you can create the DPOF print order for pictures in the internal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

1 Press **MENU** in playback mode.

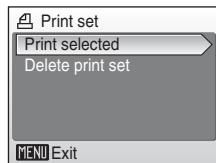
The playback menu is displayed.



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



3 Choose **Print selected** and press **OK**.



4 Choose the pictures (up to 99) and number of copies (up to nine) of each.

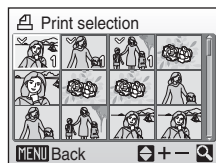
Rotate the rotary multi selector, or press ◀ or ▶, to select pictures, and press ▲ or ▼ to set the number of copies for each.

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 no 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.

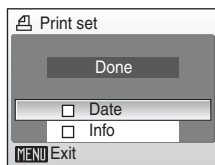


5 Choose whether or not to also print shooting date and photo information.

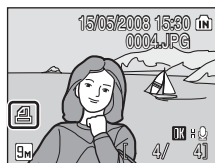
Choose **Date** and press **OK** to print date of recording on all pictures in the print order.

Choose **Info** and press **OK** to print photo information (shutter speed and aperture) on all pictures in the print order.

Choose **Done** and press **OK** to complete the print order and exit.



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



Notes on Printing Shooting Date and Photo Information

When the **Date** and **Info** options are enabled in the **Print set** menu, shooting date and photo information are printed on pictures when a DPOF-compatible ( 129) printer which supports printing of shooting date and photo information is used.

- Photo information cannot be printed when the camera is connected directly to a printer, via the supplied USB cable, for DPOF printing ( 79).
- **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 **OK**. 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 as 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.



Date Imprint

When date and time of recording are imprinted on pictures using the **Date Imprint** option ( 104) in the setup menu, pictures with the date and time imprinted on them can be printed from printers that do not support printing of the date and time on pictures. Only the **Date Imprint** date and time on pictures will be printed, even if **Print set** is enabled with **Date** selected in the print set screen.

Shooting Options: The Shooting Menu

The shooting menu of  (auto) mode, and high-sensitivity menu of high-sensitivity shooting mode, contain the following options.

	Image mode¹	 83
Choose image size and quality.		
	White balance²	 85
Match white balance to the light source.		
	Continuous²	 87
Change settings for Continuous or BSS (best shot selector).		
	ISO sensitivity³	 88
Control camera's sensitivity to light.		
	Color options²	 88
Apply color effects to pictures as they are recorded.		
	AF area mode	 89
Choose where the camera focuses.		

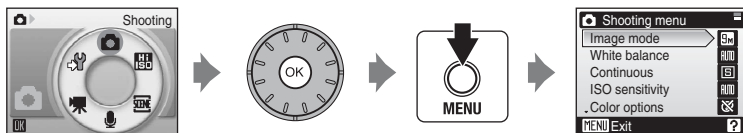
¹ Setting can be applied from other shooting menus (except movie menu).

² See the information on restrictions that may apply to these settings ( 90).

³ 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 and then selecting  (auto) or  (high-sensitivity). Press **MENU** to display the shooting menu or high-sensitivity menu.



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

Image Mode

Choose an image mode, which is the combination of image size and image quality (compression), according to how you plan to use the picture and the capacity of the internal memory or memory card. The larger the image, the larger the size at which it can be printed or displayed without becoming noticeably “grainy,” limiting the number of pictures that can be recorded.

Option	Size (pixels)	Description
 High (3456★)	3,456 × 2,592	Highest quality, suitable for enlargements or high-quality prints. The compression ratio is approximately 1:4.
 Normal (3456) (default setting)	3,456 × 2,592	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.

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

Image Mode

Changes made to this setting apply to all shooting modes (except movie mode).

The Number of Exposures Remaining

The following table lists the approximate number of pictures that can be stored in internal memory and on a 256 MB memory card. 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. 38 MB)	Memory card ¹ (256 MB)	Print size ² (cm/in.)
 High (3456★)	8	60	29 × 22/11.4 × 8.8
 Normal (3456)	15	100	29 × 22/11.4 × 8.8
 Normal (2592)	27	190	22 × 16.5/8.8 × 6.6
 Normal (2048)	44	300	17 × 13/6.8 × 5.2
 PC screen (1024)	135	850	9 × 7/3.6 × 2.8
 TV screen (640)	270	1,700	5 × 4/2 × 1.6

¹ If the number of exposures remaining is 10,000 or more, the number of exposure remaining display shows **9999**.

² Print size at an output resolution of 300 dpi. Print sizes are calculated by dividing the number of pixels by printer resolution (dpi) and multiplying by 2.54 cm (1 in.). However, at the same image size, pictures printed at higher resolutions will print smaller than the size indicated, and those printed at lower resolutions will print larger than the size indicated.

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.
	Preset manual
	Neutral-colored object used as reference to set white balance under unusual lighting conditions, see “Preset Manual” ( 86) for details.
	Daylight
	White balance adjusted for direct sunlight.
	Incandescent
	Use under incandescent lighting.
	Fluorescent
	Use under most types of fluorescent lighting.
	Cloudy
	Use when shooting 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 (  30).

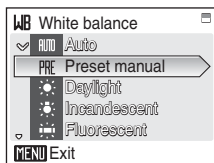
Preset Manual

Preset manual 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.

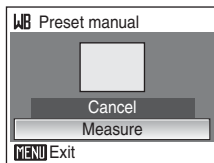
- 2 Use the rotary multi selector to choose **PRE Preset manual** in the white balance menu, and press **OK**.

The camera zooms in.

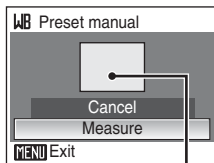


- 3 Choose **Measure**.

To apply the most recently measured value for preset manual, choose **Cancel** and press **OK**.



- 4 Frame the reference object.



Reference object frame

- 5 Press **OK** to measure the white balance value.

The shutter is released and the new white-balance value is set.

No pictures are recorded.

Note on Preset Manual

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 manual for when the flash is used.

Continuous

Change settings to Continuous or Best Shot Selector (BSS). Flash will be switched off when **Continuous** or **BSS** is selected. Focus, exposure, and white balance are fixed at the values for the first picture in each series.



Single (default setting)

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



Continuous

While the shutter-release button is held down, pictures are taken at rate of up to about 0.9 frames per second (fps) when image mode is set to  **Normal (3456)**. Shooting ends when the shutter-release button is released, or ten shots have been taken with the shutter-release button held down.



BSS

BSS is recommended for shooting under low lighting without the flash, with the camera zoomed in, or in other situations in which camera shake is likely to blur pictures.

The camera takes up to ten pictures while the shutter-release button is held down. The sharpest picture (picture with the most detail) in the series is automatically selected and saved.

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.



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)

Sensitivity is ISO 100 under normal conditions; when lighting is poor, the camera compensates by raising sensitivity to a maximum of ISO 800.

100, 200, 400, 800, 1600, 3200

Sensitivity will be locked at the specified value.

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  icon will be displayed ( 31).

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 Area Mode

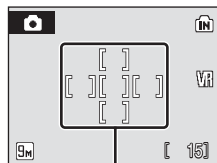
Use this option to determine where the camera focuses.

When digital zoom is in effect, the camera will focus on the subject in the center focus area regardless of the applied **AF area mode** option.



Auto

Camera automatically selects the focus area (one of five) containing the subject closest to the camera. Press the shutter-release button halfway to activate the focus area. When the shutter-release button is pressed halfway, the focus area selected by the camera will be displayed.



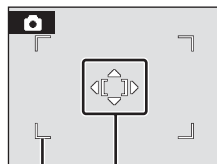
Focus areas



Manual

This option is suited to situations in which the intended subject is relatively still and not positioned in the center of the frame.

Press the rotary multi selector ▲, ▼, ◀ or ▶ to select one of 99 focus areas displayed in the monitor's focus-area selection screen, and shoot. To end focus-area selection and adjust the flash mode, macro mode, self-timer and exposure compensation settings, press **OK**. To return to the focus-area selection screen, press **OK**.

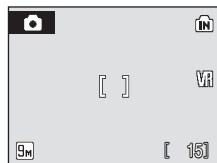


AF area
Selectable focus areas



Center (default setting)

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



More Information

See "Autofocus" (27) for more information.

Restrictions on Camera Settings

Restrictions apply to the following settings in  (auto) mode and high-sensitivity shooting mode.

Flash mode

Flash mode is disabled (🔒) when a setting other than **Single** is selected for **Continuous**. Selecting **Single** for **Continuous** restores the last flash mode setting applied.

Self-timer

If self-timer is on, only one picture will be taken when the shutter is released, regardless of settings selected for **Continuous**. The last **Continuous** setting applied is restored when picture is taken or self-timer is turned off.

White balance and Color options

White balance is automatically set to **Auto** and cannot be adjusted when **Black-and-white**, **Sepia**, or **Cyanotype** is selected for **Color options**. Selecting **Standard color** or **Vivid color** restores the last **White balance** setting applied.

Playback Options: The Playback Menu

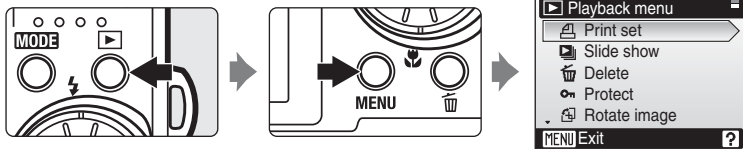
The playback menu contains the following options.

	Print set	 80
Select pictures to print and the number of copies for each.		
	Slide show	 93
View pictures stored in the internal memory or on a memory card in an automatic slide show.		
	Delete	 94
Delete all or selected pictures.		
	Protect	 94
Protect selected pictures from accidental deletion.		
	Rotate image	 95
Change the orientation of an existing picture.		
	Small pic.	 49
Create a small copy of the current picture.		
	Copy	 96
Copy files between memory card and internal memory.		

Displaying the Playback Menu

Enter the playback mode by pressing .

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

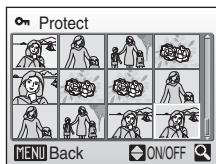


- Use the rotary multi selector to choose and apply settings.  9)
- To return to the playback mode from the playback menu, press **MENU**.

Selecting Pictures

The picture selection screen, as shown at right, will be displayed with the following menus:

- **Playback menu:** print set (P 80)
delete (X 94)
protect (L 94)
rotate image (R 95)
copy (C 96)
- **Setup menu:** welcome screen (W 99)



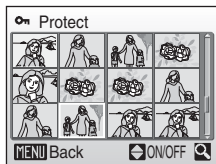
Follow the procedure described below to select pictures.

- 1** Rotate the rotary multi selector, or press ◀ or ▶, to choose the desired picture.

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

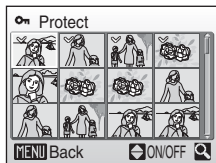
Press **T** (Q) to switch to full-frame playback.

Press **W** (R) 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 current picture. Repeat steps 1 and 2 to select additional pictures.



- 3** Press **OK**.

The setting is enabled.

When selecting pictures for **Rotate image**, use the rotary multi selector to choose whether pictures are rotated clockwise or counterclockwise, then press **OK**.



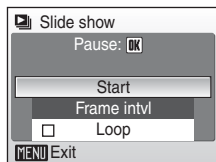
Slide Show

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

1 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.

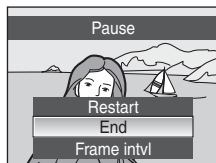
While the slide show is in progress, the following operations can be performed:

- Press the rotary multi selector **▶** to view pictures in the order recorded, or **◀** to view pictures in reverse order. Press and hold **▶** to fast forward, or **◀** to rewind.
- Press **OK** to pause the slide show.



3 Choose **End** or **Restart**.

When the slide show ends or is paused, choose **End** and press **OK** to return to the playback menu, or choose **Restart** to play the slide show again.



Notes on Slide Show

- Movies are not included in slide shows.
- Slide shows play for a maximum of 30 minutes, even when **Loop** is selected (107).

Delete

Delete selected pictures or all pictures.

Erase selected images

Delete selected pictures ( 92).

Erase all images

Delete all pictures.

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.

Deleting Picture Bank Images (For Users of the COOLPIX S52c)

Select the **Picture Bank images** option (48 of the *Wireless LAN Connection Guide*) from the **Delete** item in list by date menu to delete only those pictures, taken on the specified date, that have already been uploaded to the my Picturetown server.

Protect

Protect selected pictures from accidental deletion (Selecting Pictures →  92).

Note, however, that formatting the camera's internal memory or the memory card will permanently erase protected files ( 107).

Protected pictures are recognized by the  icon ( 7) or the  icon ( 44) in playback mode.

Rotate Image

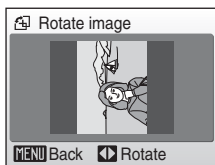
Change the orientation of pictures played back in the camera's monitor after shooting.

Pictures can be rotated 90° clockwise or counterclockwise.

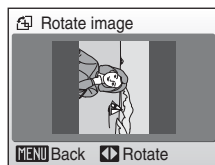
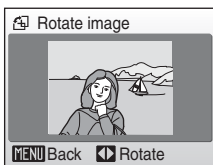
- 1 Choose a picture to be rotated in the picture selection screen, and press **OK**.



- 2 Rotate the rotary multi selector, or press the rotary multi selector **◀▶**.



Rotate 90° counterclockwise



Rotate 90° clockwise

- 3 Press **OK** to record the orientation for the picture as shown in the rotate image screen.

Pictures taken in "tall" orientation, when **Auto** (default setting) is selected for the **Record orientation** option in the setup menu ( 106), can be rotated (up to 180°) by rotating the rotary multi selector either clockwise or counterclockwise.

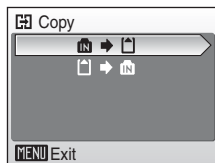
Copy

Copy pictures between the internal memory and a memory card.

- 1 Use the multi selector to select an option from the copy screen and press **OK**.

 : Copy pictures from internal memory to memory card.

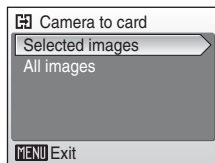
 : Copy pictures from memory card to internal memory.



- 2 Select a copy option and press **OK**.

Selected images: Copy pictures selected from the picture selection screen ( 92).

All images: Copy all pictures.



Notes on Copying Pictures

- JPEG-, AVI-, and WAV-format files can be copied. Files recorded in any other format cannot be copied.
- If voice memos ( 50) are attached to pictures selected for copying, voice memos are copied with the pictures.
- Sound files recorded in voice recording mode ( 64) can be copied using the **Copy sound files** option ( 68) in audio playback mode.
- Pictures recorded with another make or model of camera or that have been modified on a computer cannot be copied.
- Edited copies have the same protection marking ( 94) as the original, but are not marked for printing ( 80).

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.

More Information

See "Image/Sound File and Folder Names" ( 113) for more information.

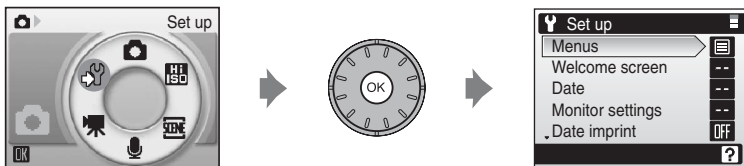
Basic Camera Setup: The Setup Menu

The setup menu contains the following options.

	Menus	 98
	Choose how menus are displayed.	
	Welcome screen	 99
	Select screen displayed when camera is turned on.	
	Date	 100
	Set camera clock and choose home and destination time zones.	
	Monitor settings	 103
	Adjust monitor brightness and choose display style.	
	Date imprint	 104
	Imprint date or date counter on pictures.	
	Vibration reduction	 105
	Choose whether or not vibration reduction is enabled.	
	AF assist	 105
	Enable or disable AF assist illumination.	
	Sound settings	 106
	Adjust sound settings.	
	Record orientation	 106
	Choose whether or not to record the orientation of a picture taken.	
	Auto off	 107
	Set time before camera enters standby mode.	
	Format memory/Format card	 107
	Format internal memory or memory card.	
	Language	 108
	Choose language used for camera monitor display.	
	Video mode	 108
	Adjust settings necessary for connection to TV.	
	Reset all	 108
	Restore camera settings to default values.	
	Wireless settings (COOLPIX S52c only)	
	Adjust settings for wireless LAN features. See the <i>Wireless LAN Connection Guide</i> for more information.	
	Firmware version	 111
	Display camera firmware version.	

Displaying the Setup Menu

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



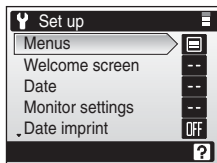
- Use the rotary multi selector to choose and apply settings. (P. 9)
- To exit the setup menu, press **MODE**.

Menus

Select a format for menu display.

Text (default setting)

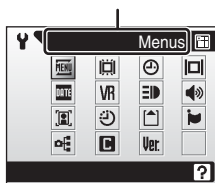
Menus are displayed in list format.



Icons

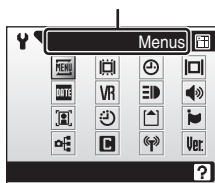
All menu items can be displayed in a single page.

Menu names



COOLPIX S52

Menu names



COOLPIX S52c

Welcome Screen

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

Disable welcome (default setting)

Welcome screen is not displayed.

COOLPIX

Displays a welcome screen.

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 ( 92), and press . As the selected image is stored in the camera, the image will appear in the welcome screen even if the original picture is deleted.

Copies created at a size of 320 × 240 or smaller using the crop ( 48) or small picture ( 49) function, cannot be used.

Date

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

Date

Set camera clock to current date and time.

See step 6 and 7 of the section, "Setting Display Language, Date, and Time" (📖 19) for more information.

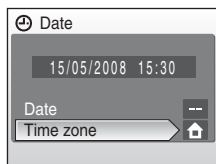
Time zone

🏠 (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 (📖 102) 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 **OK**.

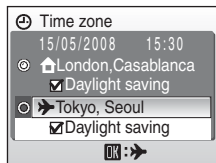
The time zone menu is displayed.



- 2 Choose ➡ and press **OK**.

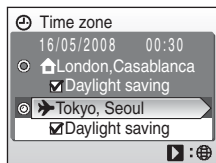
The date and time displayed on the monitor changes according to the region currently selected.

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



- 3 Press **▶**.

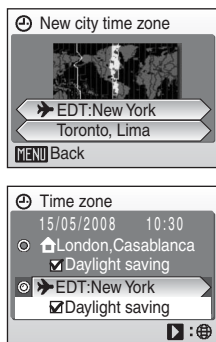
The new city time zone menu is displayed.



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 (available separately from Nikon) 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 step 3 and 4, to set 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 19

The camera supports the time zones listed below. For time differences not listed below, set the camera clock to local time. The table contains some locations that are not displayed on the camera's time zone map.

UTC +/-	Location	UTC +/-	Location
-11	Midway, Samoa	+1	Madrid, Paris, Berlin
-10	Hawaii, Tahiti	+2	Athens, Helsinki, Ankara
-9	Alaska, Anchorage	+3	Moscow, Nairobi, Riyadh, Kuwait, Manama
-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	+5.5	New Delhi
-5	EST (EDT): New York, Toronto, Lima	+6	Colombo, Dhaka
-4	Caracas, Manaus	+7	Bangkok, Jakarta
-3	Buenos Aires, São Paulo	+8	Beijing, Hong Kong, Singapore
-2	Fernando de Noronha	+9	Tokyo, Seoul
-1	Azores	+10	Sydney, Guam
±0	London, Casablanca	+11	New Caledonia
		+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. The default setting is **3**.

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		
Auto info (default setting)	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		

Date Imprint

Date and time of recording can be imprinted on pictures. This information can be printed even from printers that do not support printing of date and time ( 81).

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.

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 ( 83) of **TV TV screen (640)** may be difficult to read. Choose **PC PC screen (1024)** or larger when using date imprint.
- The date is recorded using the format selected in the setup menu's **Date** item ( 18, 100).
- Date cannot be imprinted on movies.

Date Imprint and Print Set

When printing from DPOF-compatible printers which support printing of shooting date and photo information, the date and information can be printed on pictures without date and time imprinted on them, using options in the **Print set** menu ( 80).

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.

Set **Vibration reduction** to **Off** when using a tripod to stabilize the camera during shooting.

When vibration reduction is enabled, the current setting is displayed during shooting (when **Off** is selected, an icon for the current setting is not displayed) ( 6).

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.

Notes on Vibration Reduction

- Vibration reduction may take a few seconds to activate after the power is turned on, or the camera enters shooting mode from playback mode. Wait until the display stabilizes before shooting.
- Due to characteristics of the vibration reduction function, images displayed in the camera's monitor immediately after shooting may appear blurry.
- Vibration reduction may be unable to completely eliminate the effects of camera shake in some situations.
- **VR** stands for vibration reduction.

AF Assist

Enable or disable AF-assist illumination.

Auto (default setting)

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.

Off

Disable this function. The camera may be unable to focus if lighting is poor.

🔊 Sound Settings

Adjust the following sound settings.

Button sound

Turn button sound **On** (default setting) or **Off**. When **On** (default setting) is selected, beep will sound once when operations are completed successfully, twice when the camera acquires focus on the subject, and three times when error is detected. Start-up sound will also play when the camera is turned on.

Shutter sound

Choose shutter sound from **On** (default setting) or **Off**.

📷 Record Orientation

Choose whether or not camera orientation is recorded with shooting.

Auto (default setting)

Camera orientation information is recorded when shooting. Pictures will be automatically rotated in playback mode.

The following three orientations are recorded:



Landscape (wide)
orientation



Camera rotated
90° clockwise



Camera rotated 90°
counterclockwise

Off

Camera orientation is not recorded. With playback, pictures are always displayed in “wide” (landscape) orientation.

Picture orientation information can be modified from the **Rotate image** option in the playback menu (📷 95).

✔ Notes on Record Orientation

- When shooting with the shutter-release button held down, camera orientation information is fixed at that of the first picture in each burst, and the same orientation information is recorded with all pictures in the burst.
- When pictures are taken with the lens pointing up or down, camera orientation information may not be accurately recorded.

Auto Off

If no operations are performed for the selected length of time, the monitor will turn off and the camera enters standby mode ( 15) to reduce drain on the batteries. The power-on lamp blinks in standby mode. If no operations are performed for another three minutes, the camera will turn off automatically. To exit from standby mode, press the power switch or the shutter-release button. Choose the time allowed to elapse before the camera enters standby mode if no operations are performed from **30s**, **1m** (default setting), **5m**, and **30m**.

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, for up to 30 minutes during slide show and Pictmotion movie playback, and for 30 minutes when an AC adapter is connected.

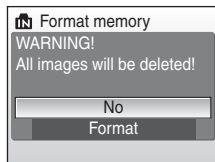
Format Memory/ Format Card

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

Formatting the Internal Memory

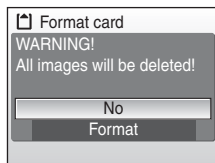
To format the internal memory, remove the memory card from the camera.

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 open the battery-chamber/memory card slot cover during formatting.
- The first time you insert the memory cards used in other devices into this camera, be sure to format them with this camera.

Language

Choose one of 23 languages for display of camera menus and messages.

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

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

Video Mode

Adjust settings for connection to TV.

Choose from **NTSC** and **PAL**.

Reset All

When **Reset** is selected, the camera's settings will be restored to their default values.

Pop-up menu

Option	Default value
Flash mode ( 30)	Auto
Self-timer ( 32)	Off
Macro mode ( 33)	Off
Exposure compensation ( 34)	0.0

Scene mode

Option	Default value
Scene mode (📷 36)	Portrait

One-touch portrait menu

Option	Default value
Portrait effect (📷 43)	Normal

Movie menu

Option	Default value
Movie options (📷 61)	TV movie 640★
Auto-focus mode (📷 62)	Single AF

Pictmotion menu

Option	Default value
Background music (📷 57)	High-speed
Effects (📷 57)	Motion
Playback order (📷 58)	Random
Playback duration (📷 58)	Fit to music length
Select images (📷 58)	Auto select 30

Shooting menu

Option	Default value
Image mode (📷 83)	📷 Normal (3456)
White balance (📷 85)	Auto
Continuous (📷 87)	Single
ISO sensitivity (📷 88)	Auto
Color options (📷 88)	Standard color
AF area mode (📷 89)	Center

Setup menu

Option	Default value
Menus (📷 98)	Text
Welcome screen (📷 99)	Disable welcome
Photo info (📷 103)	Auto info
Brightness (📷 103)	3
Date imprint (📷 104)	Off
Vibration reduction (📷 105)	On
AF assist (📷 105)	Auto
Button sound (📷 106)	On
Shutter sound (📷 106)	On
Record orientation (📷 106)	Auto
Auto off (📷 107)	1m

Others

Option	Default value
Sound quality (📷 65)	High
Paper size (📷 76, 77)	Default
Slide show (📷 93)	3s

- Choosing **Reset all** also clears the current file number (📷 113) from the memory. Numbering will continue from the lowest number available. To reset file numbering to "0001", delete all pictures (📷 94) before selecting **Reset all**.
- The following menu settings will remain unaffected when menus are reset with **Reset all**.

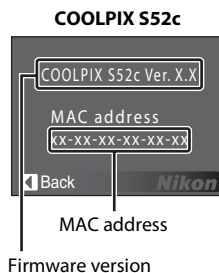
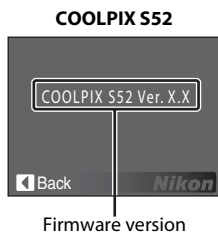
Shooting menu: Preset manual data (📷 86) acquired for **White balance**

Setup menu: **Date** (📷 100), **Language** (📷 108), and **Video mode** (📷 108)

Ver. Firmware Version

View the current camera firmware version.

See the *Wireless LAN Connection Guide* for more information on the camera's MAC address displayed with the COOLPIX S52c.



Optional Accessories

Rechargeable battery	Rechargeable Li-ion Battery EN-EL8
Battery charger	Battery Charger MH-62
AC adapter	AC Adapter EH-63
USB cable	USB Cable UC-E13
A/V Cable	Audio/Video Cable EG-CP15

Approved Memory Cards

The following memory cards have been tested and approved for use in this camera. All cards of the designated make and capacity can be used, regardless of speed.

SanDisk	128 MB, 256 MB, 512 MB, 1 GB, 2 GB ¹ , 4 GB ²
Toshiba	128 MB, 256 MB, 512 MB, 1 GB, 2 GB ¹ , 4 GB ²
Panasonic	128 MB, 256 MB, 512 MB, 1 GB, 2 GB ¹ , 4 GB ²

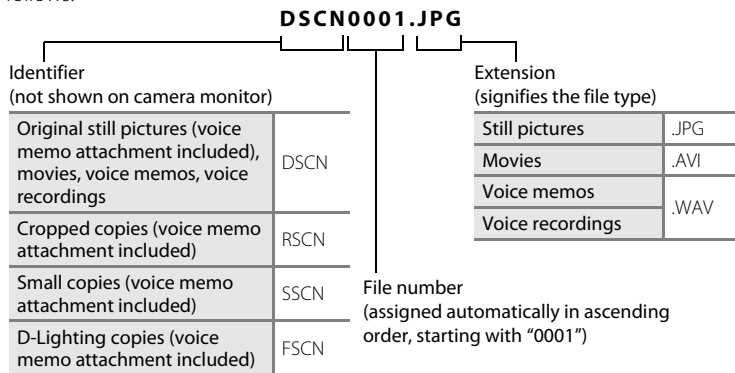
¹ If the memory card will be used with a card reader or similar device, check that device supports 2 GB cards.

²  SDHC-compliant. If the memory card will be used with a card reader or similar device, check that device supports SDHC.

Operation is not guaranteed with other makes of card. Contact the manufacturer for details on the above cards.

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: "SOUND" (normal quality sound) or "SOUNE" (high quality sound) for voice recordings (e.g., "101SOUND";  64), 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".
- Voice memo file names have the same identifier and file number as the picture to which the voice memo is attached.
- 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 ( 68, 96).
- Pictmotion movies ( 54) 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.
- A single folder can hold up to 200 pictures; if the current folder already contains 200 pictures, a new folder, named by adding one to the current folder name, will be created the next time a picture is taken. If the current folder is numbered 999 and contains 200 pictures, or a picture is numbered 9999, no further pictures can be taken until the internal memory or memory card is formatted ( 107), or a new memory card is 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 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, 32, 105) used in the self-timer lamp/AF-assist illuminator conforms to the following IEC standard:



The Battery

- Check the battery level when taking the camera out, and charge the battery if necessary ( 12, 16). 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 any of the following locations:

- Next to equipment that produces strong electromagnetic fields, such as televisions or radios
- Exposed to temperatures below -10°C (14°F) or above 50°C (122°F)
- 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-authorized 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.

For Users of the COOLPIX S52c

See the *Wireless LAN Connection Guide* for error messages that may be displayed with use of the wireless LAN feature.

Display	Problem	Solution	
 (blinks)	Clock not set.	Set clock.	100
	Battery running low.	Prepare to charge or change battery.	12, 16
 Warning! Battery exhausted.	Battery exhausted.	Charge or change battery.	12, 16
 ● (● blinks red)	Camera cannot focus.	• Refocus. • Use focus lock.	26, 27 27
 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.	27
 Memory card is write protected.	Write-protect switch is in "lock" position.	Slide write-protect to "write" position.	21
 No card present.	Pictmotion mode selected when no memory card is inserted.	Insert memory card.	20
 This card cannot be used.	Error accessing memory card.	• Use approved card. • Check that connectors are clean. • Confirm that memory card is correctly inserted.	112
 Warning! This card cannot be read.			20
 Card is not formatted. Format card? No Yes	Memory card has not been formatted for use in this camera.	Choose Yes and press  to format card, or turn camera off and replace card.	21

Error Messages

Display	Problem	Solution	
 Out of memory.	Memory card is full.	- Choose smaller image size. - Delete pictures or sound files. - Insert new memory card. - Remove memory card and use internal memory.	83 28, 63, 67 20 21
 Image cannot be saved.	Error occurred while recording picture.	Format internal memory or memory card.	107
	Camera has run out of file numbers.	- Insert new memory card. - Format internal memory or memory card.	20 107
	Picture cannot be used for welcome screen.	Choose a small picture or cropped copy of 640 × 480 pixels or larger.	48, 49, 83
	Cannot copy picture.	Delete pictures from destination.	94
 Sound file cannot be saved.	Camera has run out of file numbers.	- Insert new memory card. - Format internal memory or memory card.	20 107
 Image can not be modified.	Cannot edit selected picture.	- Select picture that supports D-Lighting, crop, or small picture. - Movies cannot be edited.	46 –
 Cannot record movie.	Time out error while recording movie.	Choose memory card with faster write speed.	112
 Memory contains no images.	- 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.	– 96, 68
 No sound file.			

Display	Problem	Solution	
i File contains no image data.	File not created with this camera.	View file on computer or other device.	–
i This file cannot be played back.			
i All images are hidden.	Date and time are not set for pictures to be displayed by list by date mode.	–	–
i Pictmotion cannot be created.	Error occurred when creating Pictmotion movie.	Start creating Pictmotion movie from the beginning.	54
i Pictmotion cannot be played back.	Pictmotion files have been deleted or moved.	Delete affected Pictmotion movie.	56
i This image cannot be deleted.	Picture is protected.	Disable protection.	94
i New city is in the current time zone.	Destination in same time zone as home.	–	102
Lens error i	Lens error.	Turn camera off and then on again. If error persists, contact retailer or Nikon representative.	22
Lens cover error i	Finger or other obstruction prevents lens cover from opening.	Turn camera off and remove obstruction.	4, 114
i Communications error	USB cable disconnected during printing.	Turn camera off and reconnect cable.	75
System error i	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.	14, 22

Display	Problem	Solution	
 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.*	–
 Printer error: check paper	Specified size of paper is not loaded in printer.	Load the specified paper, select Resume , and press  to resume printing.*	–
 Printer error: paper jam	Paper has jammed in the printer.	Eject the jammed paper, select Resume , and press  to resume printing.*	–
 Printer error: out of paper	No paper is loaded in printer.	Load the specified paper, select Resume , and press  to resume printing.*	–
 Printer error: check ink	Ink error.	Check ink, select Resume , and press  to resume printing.*	–
 Printer error: out of ink	Ink cartridge is empty.	Replace ink, select Resume , and press  to resume printing.*	–
 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.

For Users of the COOLPIX S52c

See the *Wireless LAN Connection Guide* for information on troubleshooting wireless LAN problems.

Display, Settings and Power Supply

Problem	Cause/Solution	
Monitor is blank	• Camera is off.	22
	• Battery is exhausted.	22
	• Standby mode for saving power: press the shutter-release button halfway.	15, 26
	• When flash lamp blinks red, wait until flash has charged.	31
	• Camera and computer are connected via USB cable.	70
Monitor is hard to read	• Camera and TV are connected via audio/video cable.	69
	• Adjust monitor brightness.	103
	• Monitor is dirty. Clean monitor.	116
	• Monitor has dimmed to save power. Monitor brightens when controls are used.	15
Camera turns off without warning	• Battery is low.	22
	• Camera has turned off automatically to save power.	107
	• Battery is cold.	115
Date and time of recording are not correct	• 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 "01/01/2008 00:00."	18
	• Check camera clock regularly against more accurate timepieces and reset as required.	100
No indicators displayed in monitor	Hide info is selected for Photo info . Select Show info .	103
Date imprint not available	Camera clock has not been set.	18, 100

Problem	Cause/Solution	
Date not appearing on pictures even when Date imprint is enabled	Date does not appear on movies.	60, 104
Camera settings reset	Backup battery is exhausted; all settings were restored to their default values.	101

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	- When camera is in playback mode, press . - When menus are displayed, press MENU. - Battery is exhausted. - When flash lamp blinks, flash is charging.	28 11 22 31
Camera cannot focus	- 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.	27 105 15
Pictures are blurred	- Use flash. - Use high-sensitivity shooting mode. - Use vibration reduction. - Use SS. - Use tripod and self-timer.	30 35 105 87 32
Bright specks appear in pictures taken with flash	Flash is reflecting off particles in air. Turn flash off.	31

Problem	Cause/Solution	
Flash does not fire	- Flash is off. - Some scene modes that cannot turn on flash are selected.  mode is selected. Continuous or BSS is selected for Continuous in shooting menu.	30 36 60 87
Optical zoom cannot be used	Optical zoom cannot be used while recording movies.	60
Digital zoom cannot be used	Digital zoom is not available when shooting in  (Portrait),  (Night portrait), or  (Close up) scene mode, when shooting in one-touch portrait mode, or before movie recording begins.	37, 38, 40, 42, 60
No sound when shutter is released	Off is selected for Sound settings>Shutter sound in setup menu. Continuous or BSS is selected for Continuous in shooting menu.  (Sports scene mode) or  (Museum scene mode) is selected.  mode is selected. - The speaker is obstructed.	106 87 38, 40 60 4, 24
AF-assist illuminator does not light	Off is selected for AF assist option in camera setup menu. - AF-assist illuminator turns off automatically in some modes.	105 37-41
Pictures appear smeared	Lens is dirty. Clean lens.	116
Colors are unnatural	White balance does not match light source.	85
Randomly spaced bright pixels ("noise") appear in image	Shutter speed too slow. Noise can be reduced by: - Using flash - Specifying a lower ISO sensitivity setting - Using a scene mode which has noise reduction ability	30 88 37
Pictures are too dark (underexposed)	- 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  (Backlight scene mode) or use fill flash.	30 24 30 34 35, 88 30, 41

Problem	Cause/Solution	
Pictures are too bright (overexposed)	Adjust exposure compensation.	34
Unexpected results when flash mode is set to  (auto with red-eye reduction)	When  (auto with red-eye reduction) or "fill flash with slow sync and red-eye reduction" of the Night portrait scene mode is applied during shooting, In-Camera Red-Eye Fix may, in very rare cases, be applied to areas not affected by red-eye. Set a flash mode other than  (auto with red-eye reduction) when taking pictures in a shooting mode other than the Night portrait scene mode.	30, 38

Playback

Problem	Cause/Solution	
File cannot be played back	File has been overwritten or renamed by computer or another make or model of camera.	–
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. - Voice memos cannot be appended to pictures taken by other cameras, and voice memos attached to the images using other cameras cannot be played back.	63 50
Cannot use D-Lighting, crop, or small picture options	- These options cannot be used with movies. - Select picture that supports D-Lighting, crop, or small picture. - Pictures taken with another make or model of camera cannot be edited. - Other cameras may be unable to play back, or transfer to a computer, pictures edited with this camera.	63 46 46 46

Problem	Cause/Solution	
Cannot create or play Pictmotion movie	• Camera may be unable to create Pictmotion movies from pictures recorded by another make or model of camera. • Camera may be unable to play Pictmotion movies created by another make or model of camera. • Another make or model of camera may be unable to play Pictmotion movies created with this camera. • Another make or model of camera may be unable to create Pictmotion movies from pictures recorded with this camera.	–
Custom Pictmotion music tracks are not listed	• 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. • User-defined music tracks copied to a memory card used in another make or model of camera may not be supported. Format or replace the memory card, and copy tracks to the memory card again.	57 20, 107
Pictures not displayed on television	• Choose correct video mode. • Memory card contains no pictures. Replace memory card. Remove memory card to play back pictures from internal memory.	108 20
Nikon Transfer does not start when camera is connected	• Camera is off. • Battery is exhausted. • USB cable is not correctly connected. • If your computer is running Windows 2000 Professional, camera cannot be connected to the computer. • Camera is not recognized by the computer. • Computer is not set to launch Nikon Transfer automatically. For more information on Nikon Transfer, refer to help information contained in Nikon Transfer.	22 22 70 72 – –
Cannot transfer Pictmotion movies	Pictmotion movies cannot be transferred to Mac OS.	–
Pictures to be printed are not displayed	Memory card contains no pictures. Replace memory card. Remove memory card to print pictures from internal memory.	20
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.	76, 77

Specifications

Nikon COOLPIX S52/S52c Digital Camera

Type	Compact digital camera
Effective pixels	9.0 million
Image sensor	¹ /2.5-in. CCD; total pixels: approx. 9.30 million
Lens	3x 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 4x (equivalent with 35mm [135] format picture angle: approx. 456mm)
Vibration reduction	Lens shift
Autofocus (AF)	Contrast-detect AF
Focus range (from lens)	• 30 cm (11 in.) to ∞ • Macro mode: 4 cm (1.5 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 μW
Monitor	3.0 in., Approx. 230k-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	• Internal memory (approx. 38 MB) • SD (Secure Digital) memory cards
File system	DCF, Exif 2.2, and DPOF compliant
File formats	Compressed: JPEG-Baseline compliant Movies: AVI Sound files: WAV
Image size (pixels)	• 3,456 × 2,592 High (3456★)/Normal (3456) • 2,592 × 1,944 Normal (2592) • 2,048 × 1,536 Normal (2048) • 1,024 × 768 PC screen (1024) • 640 × 480 TV screen (640)
ISO sensitivity (Standard output sensitivity)	ISO 100, 200, 400, 800, 1600, 3200 Auto (auto gain from ISO 100 to 800)

Exposure	
Metering	224-segment matrix, center-weighted (digital zoom)
Range (ISO 100)	[W]: 0.6 to 16.6 EV [T]: 1.3 to 17.3 EV
Shutter	Mechanical and charge-coupled electronic shutter
Speed	1/2000–1 s, 4 s (Fireworks show scene mode)
Aperture	Electronically-controlled preset aperture
Range	2 steps (f/3.3 and f/6.6 [W])
Self-timer	Can be selected from 10 and 2 seconds duration
Built-in flash	
Range (approx.)	[W]: 0.3 to 5.5 m (11 in. to 18 ft.)
(ISO sensitivity: Auto)	[T]: 0.3 to 3.5 m (11 in. to 11 ft.)
Flash control	TTL auto flash with monitor preflashes
Interface	Hi-Speed USB
Data transfer protocol	MTP, PTP
Video output	Can be selected from NTSC and PAL
I/O terminal	Multi connector
Supported languages	Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish
Power sources	• One EN-EL8 Rechargeable Li-ion Battery (supplied) • AC Adapter EH-63
Battery life*	Approx. 200 shots (EN-EL8)
Dimensions (W × H × D)	COOLPIX S52: Approx. 93 × 59 × 21 mm (3.6 × 2.3 × 0.8 in.) (excluding projections) COOLPIX S52c: Approx. 97.5 × 59 × 21 mm (3.8 × 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)

Specifications

Wireless (COOLPIX S52c only)	
Standards	IEEE 802.11b/g (standard wireless LAN protocol), ARIB STD-T66 (standard for low power data communications systems)
Communications protocols	IEEE 802.11g: OFDM IEEE 802.11b: DSSS
Range (line of sight)	Approx. 50 m (98 ft.) (varies with location and weather)
Operating frequency	2412–2462 MHz (11 channels)
Data rates	IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, and 54 Mbps IEEE 802.11b: 1, 2, 5.5, and 11 Mbps
Security	TKIP, 128/64-bit (104/40-bit) WEP, AES
Access protocols	Infrastructure

- 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  **Normal (3456)**. Battery life may vary depending on shooting interval and length of time menus and images are displayed.

Rechargeable Li-ion Battery EN-EL8

Type	Rechargeable lithium-ion battery
Rated capacity	DC 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 (supplied with the COOLPIX S52)

Rated input	AC 100–240 V, 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)

AC Adapter EH-63 (supplied with the COOLPIX S52c)

Rated input	AC 100–240 V, 50/60 Hz, 0.18–0.1 A
Rated capacity	18–22 VA
Rated output	DC 4.8 V, 1.5 A
Operating temperature	0 to 40 °C (32 to 104 °F)
Dimensions (W × H × D)	Approx. 41 × 23.5 × 79 mm (1.6 × 0.9 × 3.1 in.) (excluding projections)
Length of cable	Approx. 1.7 m (5 ft. 7 in.)
Weight	Approx. 110 g (3.9 oz) (excluding power cable)



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.

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