Nikon

DIGITAL CAMERA

COOLPIX S710
User's Manual

En

For Your Safety

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

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

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

WARNINGS

⚠ Turn off in the event of malfunction

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

⚠ Do not disassemble

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

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

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

⚠ Handle the camera strap with care

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

⚠ Keep out of reach of children

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

⚠ **Observe caution when handling the battery**

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

- Before replacing the battery, turn the product off. If you are using the AC adapter, be sure it is unplugged.
- Only use a Rechargeable Li-ion Battery EN-EL12 (supplied). Charge the battery by inserting it in a Battery Charger MH-65 (supplied).
- When inserting the battery, do not attempt to insert it upside down or backwards.
- Do not short or disassemble the battery or attempt to remove or break the battery insulation or casing.
- Do not expose the battery to flame or to excessive heat.
- Do not immerse in or expose to water.
- Replace the terminal cover when transporting the battery. Do not transport or store with metal objects such as necklaces or hairpins.
- The battery is prone to leakage when fully discharged. To avoid damage to the product, be sure to remove the battery when no charge remains.
- Discontinue use immediately should you notice any change in the battery, such as discoloration or deformation.
- If liquid from the damaged battery comes in contact with clothing or

skin, rinse immediately with plenty of water.

⚠ **Observe the following precautions when handling the battery charger**

- Keep dry. Failure to observe this precaution could result in fire or electric shock.
- Dust on or near the metal parts of the plug should be removed with a dry cloth. Continued use could result in fire.
- Do not handle the power cable or go near the battery charger during 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 flames. 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.
- Do not use with travel converters or adapters designed to convert from one voltage to another or with DC-to-AC inverters. Failure to observe this precaution could damage the product or result in overheating or fire.

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⚠ **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 1 m (3 ft. 4 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 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.

This symbol on the battery indicates that the battery is to be collected separately.

The following apply only to users in European countries:

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

Table of Contents

Table of Contents

About This Manual

Thank you for your purchase of a Nikon COOLPIX S710 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 the computer monitor appear in bold.

Screen Samples

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

Illustrations and Screen Display

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

✐ Memory Cards

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

Information and Precautions

Life-Long Learning

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

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

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

http://imaging.nikon.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-EL12

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).

Notice Concerning Prohibition of Copying or Reproduction

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

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

  Do not copy or reproduce paper money, coins, securities, government bonds or local government bonds, even if such copies or reproductions are stamped "Sample". The copying or reproduction of paper money, coins, or securities which are circulated in a foreign country is prohibited. Unless the prior permission of the government 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 government has issued cautions on copies or reproductions of securities issued by private companies (shares, bills, checks, gift certificates, etc.), commuter passes or coupon tickets, except when a minimum of necessary copies are to be provided for business use by a company. Also, do not copy or reproduce passports issued by the government, licenses issued by public agencies and private groups, ID cards and tickets, such as passes and meal coupons.

- **Comply with copyright notices**

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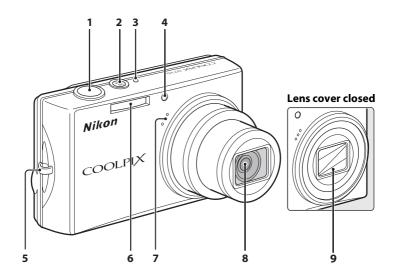
Disposing of Data Storage Devices

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

Before discarding a data storage device or transferring ownership to another person, erase all data using commercial deletion software, or format the device and then completely refill it with images containing no private information (for example, pictures of empty sky). Be sure to also replace any pictures selected for the welcome screen ([A] 116). Care should be taken to avoid injury or damage to property when physically destroying data storage devices.
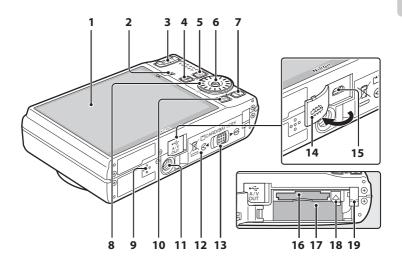
Parts of the Camera

The Camera Body

Lens cover closed

1	Shutter-release button..............................24
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3	Power-on lamp....................................20, 127
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5	**▶** (shooting/playback) button
	....8, 26
6	**®** (apply selection) button 9
7	**🗑** (delete) button.........26, 27, 67, 74, 78
8	Rotary multi selector..9
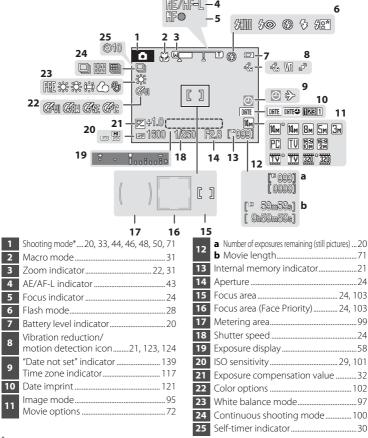
9	Speaker..67, 74, 77
10	**MENU** button 10, 33, 48, 72, 94, 108
11	Tripod socket
12	Battery-chamber/ memory card slot cover.....................14, 18
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15	Cable connector...............................80, 82, 86
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17	Battery-chamber..14
18	Battery latch 14, 15
19	Power connector cover 133

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Introduction

The Monitor

The following indicators may appear in the monitor during shooting and playback (actual display varies with current camera settings).
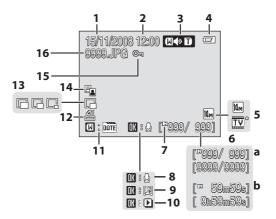
The information on indicators in the monitor during shooting and playback will display only for a few seconds (❄ 120).

Shooting

1 Shooting mode*....20, 33, 44, 46, 48, 50, 71	**12 a** Number of exposures remaining (still pictures) ...20
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3 Zoom indicator..22, 31	**13** Internal memory indicator.....................21
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10 Date imprint 121	**22** Color options 102
11 Image mode..95	**23** White balance mode..................................97
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6   * Differs according to the current shooting mode. Refer to the sections on each mode for details.

Playback

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2	Time of recording 16	**10**	Movie playback indicator 74
3	Volume indicator 67, 74, 77	**11**	List by Date guide 68
4	Battery level indicator 20	**12**	Print-order icon 91
5	Image mode* .... 95 Movie options* 72	**13**	Small picture 66
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		15	Protect icon 111
		16	File number and type 134
7	Internal memory indicator 26		
8	Voice memo recording guide 67		

* The displayed icons vary with the settings in shooting mode.

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Basic Operations

The ▶ (Shooting/Playback) Button

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

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

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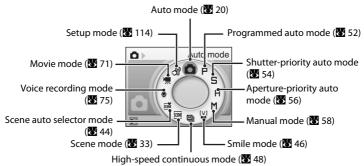
Press ᴹᴼᴰᴱ during shooting to display the shooting-mode selection menu, or during playback to display the playback-mode selection menu. Use the rotary multi selector (🖾 9) to choose the desired mode.

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

Shooting-mode Selection Menu

Auto mode (🖾 20)

Setup mode (🖾 114) ── Programmed auto mode (🖾 52)

Movie mode (🖾 71) ── Shutter-priority auto mode (🖾 54)

Voice recording mode (🖾 75) ── Aperture-priority auto mode (🖾 56)

Scene auto selector mode (🖾 44) ── Manual mode (🖾 58)

Scene mode (🖾 33) ── Smile mode (🖾 46)

High-speed continuous mode (🖾 48)

Playback-mode Selection Menu

Playback mode (🖾 26)

Setup mode (🖾 114) ── List by date mode (🖾 68)
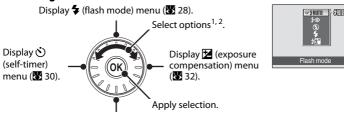
The Rotary Multi Selector
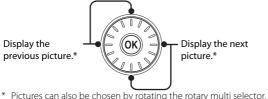
This section describes standard uses of the rotary multi selector to select modes, select menu options and to apply selection.

For Shooting

Display ♦ (flash mode) menu (🖫 28).

Select options[1, 2].

Display ◐ (self-timer) menu (🖫 30).

Display ⬛ (exposure compensation) menu (🖫 32).

Apply selection.

Display ♣ (macro mode) menu (🖫 31).

[1] Items can also be selected by pressing the rotary multi selector up or down.
[2] Shutter speed, aperture value and ISO sensitivity can be changed in **P**, **S**, **A** and **M** shooting modes (🖫 50).

For Playback

Display the previous picture.*

Display the next picture.*

15/11/2008 15:30
0004.JPG

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

For the Menu Screen

Select options[1].

Return to the previous screen.

Apply selection (Go to the next screen)[2].

Auto mode

P Shooting menu
Image mode
White balance
Metering
Continuous
ISO sensitivity
MENU Exit

[1] Items can also be selected by pressing the rotary multi selector up or down. Pressing right or left while in Shooting/Playback menu (🖫 8) or Icons menu (🖫 115) will choose the items.
[2] Pressing right while in text menus (🖫 115) will go to the next screen.
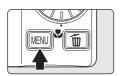
🖉 Notes on the Rotary Multi Selector

In this manual, ▲, ▼, ◀ and ▶ are used in some cases for indicating the up, down, left and right operating parts of the rotary multi selector.

Introduction

The MENU Button

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

To exit the menu display, press MENU again.
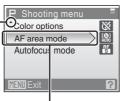
Displayed when the menu contains two or more pages.

The selected option.
Displayed when there are one or more menu items to follow.

Displayed when there are more previous menu items.

Press the rotary multi selector ▶ or 🆗 to proceed to the next set of options.
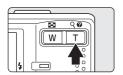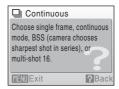
Press the rotary multi selector ▶ or 🆗 to apply selection.

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Help Displays
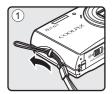
Press **T** (❷) when ❓ is displayed at the lower right of the menu screen to view a description of the currently selected menu option.
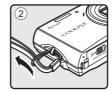
To return to the original menu, press **T** (❷) again.

Introduction

🖳 **Continuous**

Choose single frame, continuous mode, BSS (camera chooses sharpest shot in series), or multi-shot 16.

🔳 **Exit**   ❓**Back**
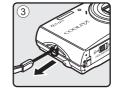
Attaching the Camera Strap

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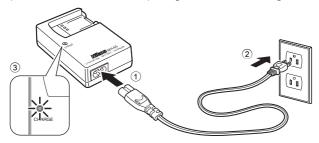
Charging the Battery

The camera uses a Rechargeable Li-ion Battery EN-EL12 (supplied).
Charge the battery with the Battery Charger MH-65 (supplied).
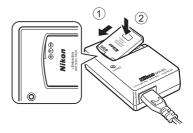
1 Connect the power cable.

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.
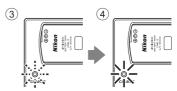
2 Charge the battery.

Insert the battery ① to set it to the
battery charger ②.

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

About 150 minutes are required to
charge a fully depleted battery.

The CHARGE lamp status and description of each status are as follows.

CHARGE lamp	Description
Blinks	Battery recharging.
Glows	Battery fully charged.
Flickers	• **Battery not correctly inserted**: Remove and reinsert the battery, being careful to insert it at a low angle. • **Operating temperature range exceeded**: Use the charger inside the designated temperature range (5 to 35 °C / 41 to 95 °F). • **Battery malfunction**: Stop charging immediately, unplug the charger, and take both the battery and charger to your retailer or Nikon service representative.

3 Unplug the charger.

Remove the battery and unplug the charger.

⚠ Note on the Battery Charger

The supplied battery charger is for use only with a Rechargeable Li-ion Battery EN-EL12. Do not use with incompatible batteries.
Be sure to read and follow the warnings for the battery charger on pages iii and iv before using the battery charger.

⚠ Note on the Battery

- Before using the rechargeable battery, be sure to observe the precautions described for "WARNINGS" in "For Your Safety".
- Be sure to read and follow the warnings for the battery on page iii and the section, "The Battery" (🐾 136), before using the battery.
- Be sure to charge the battery every 6 months even if you don't use the battery for a long period of time. Before storing the battery, use it up.
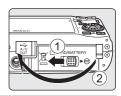
✐ Note on AC power supply

To power the camera continuously for extended periods, use the AC Adapter EH-62F (available separately from Nikon) (🐾 133). 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.

First Steps

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Inserting the Battery

Insert a Rechargeable Li-ion Battery EN-EL12 (supplied) that has been fully charged, using the Battery Charger MH-65 (supplied), into your camera (📖 12).

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 battery to push the battery lock lever ① and fully insert the battery ②.

The battery is fully inserted when the battery latch clicks back into place.

Battery latch
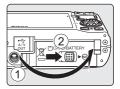
⚠ Inserting the Battery

Inserting the battery in the incorrect direction may damage the camera. Be sure to check the battery is in the correct orientation.

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

Close the cover ① and slide the lock lever to the ►⊖ side ②.

Removing the Battery

Turn the camera off and make sure that the power-on lamp and the monitor have gone out before opening the battery-chamber/memory card slot cover.

To eject the battery, slide the orange battery latch in the direction shown ①. The battery can then be removed by hand ②.
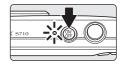
- Note that the battery may become hot during use; observe due caution when removing the battery.

Turning On and Off the Camera

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

To turn off the camera, press the power switch again.

When the camera turns off, both the power-on lamp and monitor will turn off.

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

First Steps

🔍 Auto Power-Off (Standby Mode)
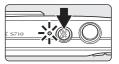
- The monitor will dim to reduce the drain on the battery if no operations are performed for about five seconds. The monitor will brighten when camera controls are used. If no operations are performed for about a minute, the monitor will turn off automatically and the camera will enter standby mode. The camera will turn off automatically if no operations are performed for three minutes (Auto off). When the monitor is off in the standby mode, pressing the power switch or shutter-release button turns on the monitor.
- The time allowed to elapse before the camera enters the standby mode can be changed from Auto off (🌌 127) in the setup menu (🌌 114).

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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 (green) will light for a moment and the monitor will turn on.

2 Use the rotary multi selector to choose the desired language and press ⓞⓚ.

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

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

3 Choose **Yes** and press ⓞⓚ.

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

🕘 Date
Set time and date?

No
Yes

4 Press ◀ or ▶ to select your home time zone (city name) (▧ 119) and press the ⓞⓚ button.

🏠
London
Casablanca

📖 Back

🍂 Daylight Saving Time
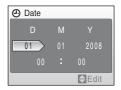
To use the camera in an area where daylight saving time is in effect, press ▲ on the home time zone in Step 4 to set the daylight saving time to on. When the daylight saving time setting is selected, the 🍂 mark appears on the top of the monitor. To release the daylight saving time setting, press ▼.

Daylight Saving Time display

🏠 🍂
London
Casablanca

📖 Back
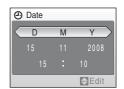
5 Change the date and time.

- Rotate the rotary multi selector, or press ▲ or ▼, to edit the highlighted item.
- Press ▶ to move the cursor in the following order.
  D ->**M** ->**Y** ->Hour ->Minute ->**D M Y**
- Press ◀ to return to the previous cursor.

⏰ Date

D	M	Y
01	01	2008
00	:	00

↵Edit

6 Choose the order in which the day, month and year are displayed and press Ⓚ or press ▶.

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

⏰ Date

D	M	Y
15	11	2008
15	:	10

↵Edit

First Steps

✐ Changing the date and time

- To change the date and time, select **Date** from **Date** (🖙 117) in the setup menu (🖙 114) and follow the instructions starting from the above step 5.
- To change the time zone and the daylight saving settings, select **Time zone** from **Date** in the setup menu (🖙 117, 118).

17
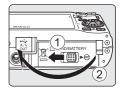
Inserting Memory Cards

Pictures are stored in the camera's internal memory (approximately 42 MB) or on removable Secure Digital (SD) memory cards (available separately) (🔗 133).

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 Confirm the power-on lamp and the monitor are off and open the battery-chamber/memory card slot cover.
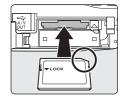
Be sure to turn off the camera before opening the battery-chamber/memory card slot cover.

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.
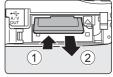
Removing Memory Cards

Before removing memory cards, **turn the camera off** and confirm that the power-on lamp and the monitor are 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 (🗑 128). 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 🆗. The confirmation dialog will be displayed. To start formatting, choose **Format** and press 🆗.

Card is not formatted.
Format card?

No
Yes

- **Do not turn the camera off or open the battery-chamber/memory card slot cover until formatting is complete.**
- The first time you insert the memory cards used in other devices into the COOLPIX S710, be sure to format them using this camera (🗑 128).
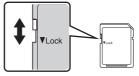
⚠️ The Write Protect Switch

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

Write protect switch

▼Lock

⚠️ Memory Cards

- Use only Secure Digital memory cards.
- Do not perform the following during formatting, while data is 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:
  - Take out the battery or memory card
  - Turn off the camera
  - Disconnect the AC adapter
- Do not format the memory card using a computer.
- 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.

First Steps

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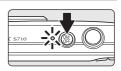
Step 1 Turn the Camera On and Select ◘ (Auto) Mode

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 (green) will light for a moment and the monitor will turn on. In this step, the lens will also open.

Proceed to step 4 when ◘ is displayed.

2 Press **MODE**.

3 Press the rotary multi selector ▲ or ▼ to choose ◘ and press ⑥.

The camera enters ◘ (auto) mode.

Auto mode

4 Check the battery level and number of exposures remaining.

Battery level indicator

Battery Level

Monitor	Description
NO INDICATOR	Battery fully charged.
⧅	Battery low; prepare to charge or replace the battery.
❶ Battery exhausted.	Cannot take pictures. Recharge or replace with a fully charged battery.

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 (🌑 96).

Indicators Displayed in 🄰 (Auto) Mode

Shooting mode
🄰 displayed in 🄰 (auto) mode.

Vibration reduction / motion detection icon
When 🖐️ is displayed, the effects of camera shaking and blurred subjects are reduced.

Internal memory indicator
Pictures will be recorded to internal memory (approximately 42 MB).
When memory card is inserted, 🄸🄽 is not displayed and pictures will be recorded to memory card.

Image mode
Display image size and quality set in the image mode menu. The default setting is 🄽 Normal (4352 × 3264).

The indicators and photo info displayed during shooting and playback will turn off after a few seconds (🖐️ 120). When the monitor has turned off in standby mode to save power, press the power switch or the shutter-release button to reactivate it (🖐️ 127).

🄌 Available Functions in 🄰 (Auto) Mode

In 🄰 (auto) mode, macro mode (🖐️ 31) and exposure compensation (🖐️ 32) can be applied and pictures can be taken using the flash mode (🖐️ 28) and self-timer (🖐️ 30). Pressing the MENU button in 🄰 (auto) mode allows you to set up the image mode (🖐️ 95).

🄌 The vibration reduction / motion detection icon

Vibration reduction corrects camera shaking that commonly occurs when shooting with zooming or at slow shutter speeds.

Motion detection increases the shutter speed in shooting still pictures to reduce the vibrations when camera shaking or subject blurring is detected. (This function is not activated in the movie mode.)

A description of each vibration reduction / motion detection icon is as follows.

- 🖐️: Vibration reduction (🖐️ 123) is set to **ON** and the motion detection (🖐️ 124) is set to **AUTO** (default setting) on the setup menu (🖐️ 114).
- 🖐️: Vibration reduction is set to **ON** and the motion detection is set to **OFF**.
- 🖐️: Motion detection is set to **AUTO** and vibration reduction is set to **OFF**.
- No icon: Both vibration reduction and the motion detection are set to **OFF**.
- Turn vibration reduction off when using a tripod.
- In the shooting mode (🖐️ 124) where **motion detection** is not activated, 🖐️ or 🖐️ is not displayed regardless of the setting of the **motion detection**.

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Basic Photography and Playback: Auto Mode

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, self-timer lamp and microphone.

When taking pictures in "tall" orientation, turn the camera so that the built-in flash is above the lens.

2 Frame the picture.
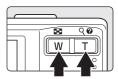
Position the main subject near the center of the monitor.
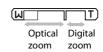
Using the Zoom

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

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

Zoom out Zoom in

Optical zoom Digital zoom

Digital Zoom

When the optical zoom is set at the telephoto end, i.e. at maximum magnification, holding down **T** triggers digital zooming. The subject is magnified up to a max. optical zoom magnification of 4×.

The focus area is not displayed when digital zoom is in effect, and focus will be in the center of the screen.

Maximum magnification of optical zoom.

Digital zoom is in effect.

🖊 Digital Zoom and Interpolation

Unlike optical zoom, digital zoom uses a digital imaging process known as interpolation to magnify images, resulting in slight deterioration of picture quality.

Interpolation is applied at zoom positions beyond 🕂. When zoom is increased beyond the 🕂 position, interpolation is initiated and the zoom indicator turns yellow to indicate that interpolation is being applied. The position of 🕂 moves to the right as image size decreases, allowing for confirmation of the zoom positions at which shooting without interpolation is possible at the current image mode (🖼 95) setting.

When the image size is small.

• The digital zoom (🖼 125) can be turned off in the setup menu (🖼 114).

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 will glow green.
- When digital zoom is in effect, and the subject is in focus, the focus indicator (💐 6) will glow green. The focus area is not displayed.
- Focus and exposure remain locked while the shutter release button is pressed halfway.
- When the camera is unable to focus, the focus area, or focus indicator, blinks red. Change the composition and try again.

Shutter speed   Aperture

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

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

🔍 Shutter-release Button

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

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

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

🖉 **During Recording**

While pictures are being recorded, the number of exposures remaining display will blink.

Do not open the battery-chamber/memory card slot cover. Removing the memory card or battery while pictures are being recorded could result in loss of data or in damage to the recorded data, 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 focus area or the focus indicator glows green:
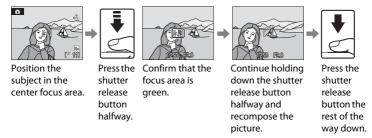
- Subject is very dark
- Objects of sharply differing brightness are included in the scene (e.g. the sun is behind the subject and is in deep shadow)
- No contrast between the subject and surroundings (e.g. when the subject is standing in front of a white wall, wearing a white shirt)
- Several objects 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.

🔍 **Focus Lock**

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

- Be sure that the distance between the camera and the subject does not change while focus is locked.
- When the shutter-release button is pressed halfway, exposure is locked.

Position the subject in the center focus area.

Press the shutter release button halfway.

Confirm that the focus area 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 (🗐 124) may light by pressing the shutter-release button halfway, or the flash (🗐 28) may fire by pressing the shutter-release button all the way down.

Basic Photography and Playback: Auto Mode

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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 display the pictures (🐾 9).

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

Press ▶ or the shutter-release button to switch to shooting mode.
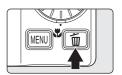
When 🔢 is displayed, pictures stored in the internal memory will be displayed. When memory card is inserted, 🔢 is not displayed and pictures stored on the memory card will be displayed.

15/11/2008 15:30
0004.JPG

Internal memory indicator

Deleting Pictures

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

2 Use the rotary multi selector to select **Yes** and press ℗.

To exit without deleting the picture, choose **No** and press ℗.

Erase 1 image?

No
Yes

Done

🖉 **Playback Mode**

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

Option	Use	Description	🐾
Playback zoom	**T** (Q)	Press **T** (Q) to enlarge view of picture currently displayed in monitor up to about 10×. Press 🔘 to return to full-frame playback.	62
View thumbnails	**W** (▨)	Press **W** (▨) to display 9, 16, 25 picture thumbnails.	61
Record/play voice memo	🔘	Press 🔘 to record or play back voice memos up to 20 seconds in length.	67
Switch to shooting mode	▶ ⬇ ⟟	Press ▶ or the shutter-release button to switch to the shooting mode selected in the shooting-mode selection menu.	26

🖉 **Power on by pressing ▶**

If the ▶ is pressed continuously while the power is OFF, the power will be switched ON and playback mode will be started up. The lens does not extend.

🖉 **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 (🐾 126). The rotating direction can be changed from **Rotate image** (🐾 112) in the playback menu (🐾 108).

🖉 **Deleting the Last Picture Taken**

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

Erase 1 image?

No
Yes

🔍 **Selecting multiple pictures for deletion**

When **Delete** (🐾 111) is selected from the playback menu (🐾 108) or the list by date menus (🐾 70), multiple pictures can be deleted.

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Basic Photography and Playback: Auto Mode

Using the Flash

The flash has a range of approx. 0.5-8.5 m (1 ft. 8 in.-27 ft.) when the camera is zoomed out all the way. With maximum optical zoom applied, the range is approx. 0.8-4.3 m (2 ft. 8 in.-14 ft.) (when **ISO sensitivity** is set to **Auto**). The following flash modes are available.

$\sharp$AUTO	Auto
	Flash fires automatically when lighting is poor.
$\sharp$◉	Auto with red-eye reduction
	Reduces "red-eye" in portraits (🖾 29).
⊛	Off
	Flash will not fire even when lighting is poor.
$\sharp$	Fill flash
	Flash fires when a picture is taken. Use to "fill-in" (illuminate) shadows and back-lit subjects.
$\sharp$🖾	Slow sync
	$\sharp$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 $\sharp$ (flash mode).

The flash menu is displayed.

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

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

$\sharp$AUTO will disappear after a few seconds regardless of the Photo info option (🖾 120).

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

✗ Note on Using the Flash

When using the flash, reflections from dust particles in the air may appear as bright spots in pictures. To reduce these reflections, set the flash to ⊛ (Off).

Basic Photography and Playback: Auto Mode
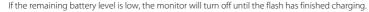
⚠ Shooting When Lighting Is Poor and the Flash Is Disabled (⊛)

- Use of a tripod is recommended to stabilize the camera during shooting and avoid the effects of camera shake. Turn **vibration reduction** (👁 123) **Off** when using a tripod.
- The 📶 is displayed when the camera automatically increases sensitivity to minimize blur caused by slow shutter speed. Pictures taken when 📶 is displayed may be slightly mottled.
- At slow shutter speeds, noise reduction may be automatically applied as pictures taken are recorded. If the selected shutter speed setting requires noise reduction, the shutter speed indicator turns red and image recording time becomes longer.

🖉 The Flash Lamp

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

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

If the remaining battery level is low, the monitor will turn off until the flash has finished charging.

🖉 The Flash Mode Setting

The default setting of the flash mode depends on the shooting mode.

- ◘ (auto) mode: **$AUTO** Auto
- Scene mode: The default setting depends on the scene menu (👁 34).
- Scene auto selector mode: **$AUTO** Auto; The camera automatically sets the flash mode depending on the scene mode automatically detected (👁 44).
- Smile mode: **$AUTO** Auto
- High-speed continuous mode: ⊛ Off (locked)
- **P, S, A,** and **M** modes: **$AUTO** Auto

When the shooting mode is set to **P, S, A** or **M**, the selected flash mode setting will be stored even if the camera is turned off.

When a picture is taken by setting the flash mode to **$⊚** (Red-eye Reduction) in the ◘ (Auto mode), the **$⊚** (Red-eye Reduction) setting will be stored even if the power is turned OFF.

🖉 Red-eye Reduction

The COOLPIX S710 is equipped with an advanced red-eye reduction system. Pre-flashes are fired several times at low intensity before the main flash, to reduce "red-eye." If the camera detects "red-eye" after a picture is taken, Nikon's own In-Camera Red Eye Fix processes the image as it is recorded. Therefore, there is a slight delay before the shutter-release button operates normally to take another picture. Note the following when using red-eye reduction:

- Not recommended when shutter-release timing is essential because it takes a longer time than using the usual shooting mode from when the shutter-release button is pressed to when the shutter is released.
- Red-eye reduction may not always produce the desired results.
- In some rare cases, other portions of pictures may be affected.

Use flash modes other than auto with red-eye reduction in above cases.

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Basic Photography and Playback: Auto Mode

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** (W 123) **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 ⓚ.

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 ⓚ 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 self-timer lamp will be displayed in the monitor for a few seconds until the shutter is released. The self-timer lamp is blinking while the self-timer is operating, and the lamp lights up about one second before the shutter is released.

When the shutter is released, the self-timer will be set to **OFF**.

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

Basic Photography and Playback: Auto Mode

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Macro Mode

Macro mode is used for taking pictures of objects as close as 10 cm (4 in.). Note that the flash may be unable to light entire subject at distances of less than 50 cm (19.7 in.).

1 Press ✿ (macro mode).

The macro 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** (Q) or **W** (⊞) to frame the picture.

The camera can focus at distances as close as 10 cm (4 in.) from the lens when the zooming position is set to the widest angle. In addition, when the zooming position is set to the wide-angle side where the ✿ mark turns green, the camera can focus at distances as close as 30 cm (1 ft.) from the lens.

🖉 Macro Mode

In the macro mode, the camera focuses continuously, even when the shutter-release button is not pressed halfway to lock the focus. However, in the **P**, **S**, **A** and **M** modes, the setting of the **Autofocus mode** (🌃 106) will be applied.

🖉 The Macro Mode Setting

When the shooting mode is set to **P**, **S**, **A** or **M**, the macro mode setting will be stored even if the camera is turned off.

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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.
- Exposure compensation is not available in mode **M** (manual).

2 Use the rotary multi selector to adjust exposure.

- When the picture is too dark: adjust the exposure compensation to "+" side.
- When the picture is too bright: adjust the exposure compensation to "-" side.
- Exposure compensation can be set to values between -2.0 and +2.0 EV.
- If a setting is not applied by pressing 🆗 within a few seconds, the selection will be cancelled.

3 The setting is applied.

- The 🔆 icon is displayed in the monitor.

🖉 Exposure Compensation Value

When the shooting mode is **P**, **S** or **A**, the exposure compensation setting will be stored even if 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.

Using the Scene Mode

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

爻 Portrait	💥 Party/indoor	🌃 Night landscape	🎆 Fireworks show
🏞 Landscape	🏖 Beach/snow	🌷 Close-up	📋 Copy
🏃 Sports	🌅 Sunset	🍴 Food	🔆 Backlight
🌃 Night portrait	🌆 Dusk/dawn	🏛 Museum	▷◁ Panorama assist

Setting the Scene Mode

1 Enter scene mode by pressing MODE in shooting mode, selecting 🎬 (use the rotary multi selector), and then pressing ⓞⓚ.

2 Press MENU to display the scene menu screen, choose the desired scene and press ⓞⓚ.

> 🎬 Scene menu
> 🏖 Beach/snow
> 🌅 Sunset
> 🌆 Dusk/dawn
> 🌃 Night landscape
> 🌷 Close-up
> MENU Exit
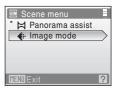
3 Frame the subject and shoot.

🔍 Image Mode

Image mode (🖉 95) can be set in the Scene menu. Changes made to these settings apply to all shooting modes (except high-speed continuous mode and movie mode).

> 🎬 Scene menu
> ▷◁ Panorama assist
> 🔧 Image mode
> MENU Exit

Shooting Suited for the Scene

Features
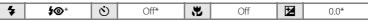
💈 Portrait

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

- If the camera recognizes a person's face (front view), the camera will focus on that person. See "Face Priority" (🐾 104) for more information.
- If the camera recognizes multiple faces, focus on the face nearest to the center of the screen.
- If no faces are recognized, focus will be on the center of the screen.
- Digital zoom is not available.

⚡	🔅⊚*	⟳	Off*	✿	Off	⭧	0.0*

* Other settings can be selected.

⛰ Landscape

Use this mode for vivid landscapes and cityscapes.

- Camera focuses at infinity. The focus area or focus indicator (🐾 6) always glows green when the shutter-release button is pressed halfway. Note, however, that objects in the foreground may not always be in focus.
- The AF-assist illumination turns off automatically regardless of the setting of the AF-assist illumination (🐾 124).

⚡	⊛	⟳	Off*	✿	Off	⭧	0.0*

* Other settings can be selected.

🖉 **Icons Used for Descriptions**

The following icons are used for descriptions in this section: ⚡, flash mode (🐾 28); ⟳, self-timer (🐾 30); ✿, macro mode (🐾 31); ⭧, exposure compensation (🐾 32).

🏃 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 the shutter-release button is pressed halfway to lock the focus.
- While shutter-release button is held down, pictures are taken at a rate of about 1.4 frames per second (fps) when image mode is set to 🔳 **Normal (4352)**. This rate is maintained for up to 5 pictures.
- The maximum frame rate with continuous shooting may vary depending upon the current image mode setting and the memory card used.
- The AF-assist illumination turns off automatically regardless of the setting of the AF-assist illumination (🐾 124).

🗲	🚫	⏲	Off	🌷		Off	🔆	0.0*

* 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.
- If the camera recognizes a person's face (front view), the camera will focus on that person. See, "Face Priority" (🐾 104) for more information.
- If more than one face is recognized, focus will be on the face nearest to the camera.
- If no faces are recognized, focus will be on the center of the screen.
- Digital zoom is not available.
- The **Motion detection** turns **off** automatically regardless of the setting of the **Motion detection** (🐾 124).

🗲	🗲⊙[1]	⏲	Off[2]	🌷		Off	🔆	0.0[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.
- As pictures are easily affected by camera shake, hold the camera steadily. In a dark place, the use of a tripod is recommended.
- Set **Vibration reduction** (🐾 123) to **Off** when using a tripod.

🗲	🗲⊙[1]	⏲	Off[2]	🌷		Off	🔆	0.0[2]

[1] Slow sync with 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. Turn **vibration reduction** (🐾 123) **off** when using a tripod.

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🏖 Beach/snow

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

- Camera focuses on subject in center of frame.

⚡	**⚡AUTO***	⏱	Off*	🌷	Off*	☒	0.0*

* 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 area or focus indicator (🖼 6) always glows green. Note, however, focus may not be set for near subjects, while the camera focuses at infinity.
- The AF-assist illumination turns off automatically regardless of the setting of the AF-assist illumination (🖼 124).

⚡	⚡	⏱	Off*	🌷	Off	☒	0.0*

* 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 area or focus indicator (🖼 6) always glows green; however, focus may not be set for near subjects, while the camera focuses at infinity.
- The AF-assist illumination turns off automatically regardless of the setting of the AF-assist illumination (🖼 124).

⚡	⚡	⏱	Off*	🌷	Off	☒	0.0*

* Other settings can be selected.

🔺: For those scene modes with 🔺, use of a tripod is recommended. Turn **vibration reduction** (🖼 123) **off** when using a tripod.

■ Night landscape ![A]

Slow shutter speeds are used to produce stunning night landscapes.
- Camera focuses at infinity. When the shutter-release button is pressed halfway, the focus area or focus indicator (🖎 6) always glows green; however, focus may not be set for near subjects, while the camera focuses at infinity.
- The AF-assist illumination turns off automatically regardless of the setting of the AF-assist illumination (🖎 124).

🗲	🚫	⏱	Off*	🌷	Off	🔆	0.0*

* Other settings can be selected.
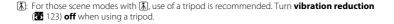
🌷 Close-up

Photograph flowers, insects and other small objects at close range.
- The macro mode (🖎 31) will turn **ON** and the zoom will automatically move to the closest possible shooting position.
- The closest possible shooting distance varies according to the zoom position. Therefore, the camera can focus at distances as close as 10 cm (4 in.) from the lens when the zooming position is set to the widest angle, and the camera can focus at distances as close as 30 cm (1 ft.) from the lens when the zooming position is set to the wide-angle side where the 🌷 mark turns green.
- **AF area mode** is set to **Manual** (🖎 103). When 🆗 is pressed, the camera can select the active focus area.
- The camera focuses continuously until the shutter-release button is pressed halfway to lock the focus.
- As pictures are easily affected by camera shake, check the **Vibration reduction** (🖎 123) setting and hold the camera steadily.

🗲	🚫*	⏱	Off*	🌷	On	🔆	0.0*

* Other settings can be selected. Note that the flash may be unable to light entire subject at distances of less than 50 cm (19.7 in.).

ⓐ: For those scene modes with [A], use of a tripod is recommended. Turn **vibration reduction** (🖎 123) **off** when using a tripod.

Shooting Suited for the Scene

⁙¶ Food

Use when shooting foods. See "Taking Pictures for Food Mode" (🖐 40) for details.

- **AF area mode** is set to **Manual** (🖐 103). When 🆗 is pressed, the camera can select the active focus area.

🗲	⑂	⏲	Off*	🌷	On	🔆	0.0*

* Other settings can be selected.

🏛 Museum

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

- Camera focuses on subject in center of frame.
- BSS (best shot selector) can be used to shoot (🖐 100).
- As pictures are easily affected by camera shake, check the **Vibration reduction** (🖐 123) setting and hold the camera steadily.
- The AF-assist illumination turns off automatically regardless of the setting of the AF-assist illumination (🖐 124).

🗲	⑂	⏲	Off*	🌷	Off*	🔆	0.0*

* Other settings can be selected.

✾ Fireworks show   ⨺

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

- Camera focuses at infinity. When the shutter-release button is pressed halfway, the focus indicator (🖐 6) always glows green; however, focus may not be set for near subjects, while the camera focuses at infinity.
- The AF-assist illumination turns off automatically regardless of the setting of the AF-assist illumination (🖐 124).
- The **Motion detection** turns **off** automatically regardless of the setting of the **Motion detection** (🖐 124).

🗲	⑂	⏲	Off	🌷	Off	🔆	0.0

⨺: For those scene modes with ⨺, use of a tripod is recommended. Turn **vibration reduction** (🖐 123) **off** when using a tripod.

⬚ Copy

Provides clear pictures of text or drawings on a white board or in print. Camera focuses on subject in center of frame.
- Use macro mode (🌸 31) to focus at short ranges.
- Colored text and drawings may not show up well.

⚡	⑫*	⏱	Off*	🌸	Off*	⅋	0.0*

* 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.
- The **Motion detection** turns **off** automatically regardless of the setting of the **Motion detection** (🌸 124).

⚡	⚡	⏱	Off*	🌸	Off	⅋	0.0*

* Other settings can be selected.

⨝ Panorama assist

Use when taking a series of pictures that will later be joined to form a single panorama using the supplied Panorama Maker software. See "Taking Pictures for a Panorama" (🌸 42) for details.

⚡	⑫*	⏱	Off*	🌸	Off*	⅋	0.0*

* Other settings can be selected.

Shooting Suited for the Scene

Taking Pictures for Food Mode

Use when shooting foods.

1 Use the rotary multi selector to choose **Food** in the scene menu and press ⓞ (🗏 33).

- The macro mode (🗏 31) will turn **ON** and the zoom will automatically move to the closest possible shooting position.

2 Use the rotary multi selector ▲ or ▼ to choose white balance.

- Press ▲ to increase the amount of red, or ▼ to increase the amount of blue.

3 Frame the picture.

- The closest possible shooting distance varies according to the zoom position. Therefore, the camera can focus at distances as close as 10 cm (4 in.) from the lens when the zooming position is set to the widest angle, and the camera can focus at distances as close as 30 cm (1 ft.) from the lens when the zooming position is set to the wide-angle side where the 🌷 mark turns green.

- As pictures are easily affected by camera shake, check the **Vibration reduction** (🗏 123) setting and hold the camera steadily.

- **AF area mode** is set to **Manual** (🗏 103). When ⓞ is pressed, the camera can select the active focus area. Press the rotary multi selector ▲, ▼, ◀ or ▶ to move the focus area to the focus position. Press ⓞ again to lock the focus area.

- With the AF area locked, the self-timer (🗏 30) and exposure compensation (🗏 32) can be set.

Shooting Suited for the Scene

4 Press the shutter-release button to shoot.

- Pressing the shutter-release button halfway locks the focus, and pressing the shutter-release button the rest of the way down takes the picture.

[ ]

1/250 F2.8

- When the camera is unable to focus, the focus area will blink. Change the composition and try pressing the shutter-release button halfway again.

✓ Notes when using the food mode

The flash is disabled. The macro mode (🅐 31) will be locked to **ON**.

✐ White balance in Food Mode

- Increasing the amount of red or blue will decrease illumination effects. Changing white balance in Food mode will not affect **White balance** in the shooting menu (🅐 97).
- White balance setting in the food mode will be saved even when the power is turned off.

Taking Pictures for a Panorama

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

Turn **Vibration reduction** (🖪 123) **off** when using a tripod.

1 Use the rotary multi selector to choose ⋈ **Panorama assist** in the scene menu and press ⓘ.

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

```
SCENE Scene menu
  ⋈ Panorama assist
  ❖ Image mode

MENU Exit                    ?
```

2 Use the rotary multi selector to choose the direction and press ⓘ.

Select how pictures will be joined together in the completed panorama; right (▷), left (◁), up (△) or down (▽).

The yellow panorama direction icon (▷▷) is displayed to the direction pressed and the direction is fixed when ⓘ is pressed. The white fixed direction ▷ is displayed. Apply flash mode (🖪 28), self-timer (🖪 30), macro mode (🖪 31) and exposure compensation (🖪 32) settings with this step, if necessary. Press ⓘ to reselect the direction.

3 Shoot the first picture.

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

4 Shoot the second picture.

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

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

5 Press 🆗 when shooting is completed.

The camera returns to step 2.

🗹 **Panorama Assist**

Flash mode (🗷 28), self-timer (🗷 30), macro mode (🗷 31) and exposure compensation (🗷 32) settings cannot be adjusted after the first picture is taken. Pictures cannot be deleted, nor can zoom or image-mode setting (🗷 95) be adjusted until the series is finalized.

The panorama series is terminated if the camera enters standby mode with the auto off function (🗷 127) during shooting. Setting the time allowed to elapse before the auto off function is enabled to a longer setting is recommended.

🔍 **Note on** AE/AF-L

AE/AF-L is displayed to indicate that white balance, exposure, and focus have been locked at the values set with the first shot. All pictures taken in a panorama series have the same white balance, exposure, and focus settings.

🔍 **Panorama Maker**

Install Panorama Maker from the supplied Software Suite CD. Transfer pictures to a computer (🗷 81) and use Panorama Maker (🗷 84) to join them in a single panorama.

🔍 **More Information**

See, "Image/Sound File and Folder Names" (🗷 134) for more information.

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Automatic Shooting Suited for the Scene (Scene auto selector mode)

The camera automatically judges the type of subject (scene mode) when you frame the picture so that you can more easily take a picture suited for the scene. The mode will automatically be changed to one of the following scene modes by selecting the Scene auto selector mode and pointing the camera at the subject.

- Auto (🐾 20)
- Portrait (🐾 34)
- Landscape (🐾 34)
- Night landscape (🐾 37)

- Night portrait (🐾 35)
- Close-up (🐾 37)
- Backlight (🐾 39)

For the characteristics of each shooting mode, see the reference pages for the particular mode.

How to shoot pictures in the scene auto selector mode

1 Enter scene auto selector mode by pressing **MODE** in shooting mode, selecting 🐾 (use the rotary multi selector), and then pressing ⓞ.

The scene auto selector mode is selected.

2 Frame a picture for shooting.

When the camera determines the scene mode, the shooting mode icon will change.

Shooting mode icons

🐾 Auto	⭐️ Night portrait
🌸 Portrait	🌷 Close-up
🏔 Landscape	🌄 Backlight
🌃 Night landscape	

Shooting mode icon

Pressing the shutter-release button halfway sets the focus and exposure.
Pressing the shutter-release button the rest of the way down takes the picture.

⚠ Note on using the scene auto selector mode

In some shooting conditions, the scene mode you want is not chosen. In such a case, select the auto mode (🐾 20) or select the scene mode (🐾 33) suited for your purpose and take a picture.

🖉 **Setting the flash mode in the scene auto selector mode**

Auto (default setting) or **Off** can be selected in the flash mode (🐾 28).

- When 🔒AUTO (Auto) is selected, the camera automatically sets the flash mode according to the determined scene mode.
- When 🚫 (Off) is selected, the flash won't fire regardless of the shooting conditions.

🖉 **Restrictions applied to the functions in the scene auto selector mode**

- You can set the **image mode** (🐾 95) only by pressing **MENU**. If the image mode setting is changed, the changed image mode is applied to also the other shooting modes (except high-speed continuous mode and movie mode).
- Digital zooming is not available.
- The macro mode button (🐾 9, 31) on the rotary multi selector is not available.
- In 🌷 Close-up, the **AF area mode** (🐾 103) is set to **Auto**.

Using the Smile Mode

The camera detects a smiling face to shoot the face automatically.

1 Enter smile mode by pressing **MODE** in shooting mode, selecting 🙂 (use the rotary multi selector), and then pressing ⓞⓚ.

2 Frame a picture.

- **•** Point the camera at the subject.
- **•** If the camera recognizes a person's face (facing front), the face will be framed by a double yellow border in the focus area, and when the face comes into focus, the double border will instantly turn green and the focus will be locked.
- **•** When the faces of multiple people are recognized, the people positioned at the nearest to the center of the screen will be framed by a double border in the focus area and the other faces will be framed by a single border. Up to three faces will be recognized.

3 The shutter is automatically released.

- **•** If the camera detects the smiling face of the person framed by a double border, the shutter is automatically released.
- **•** If the camera recognizes a person's face, the self-timer lamp (📵 4) blinks. Just after the shutter is released, the self-timer lamp blinks rapidly.
- **•** Each time the shutter is released, the camera automatically shoot pictures using the recognizing face and the detecting smiling face features repeatedly.

4 Exit smile mode by pressing **MODE**.

- **•** Change to another shooting mode.
- **•** The shooting is terminated if the internal memory or removal Secure Digital (SD) memory card has no capacity.

🖉 **Shooting in the Smile Mode**

When either of the following conditions persists in the Smile mode, the Auto off (📵 127) will trigger and the camera will turn off.

- **•** The camera does not recognize any faces.
- **•** The camera recognized the face but cannot detect a smiling face.

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🖉 **Face Priority and Smiling Face Detection features**

When the camera is pointed at a person's face (front view) in the smile mode, the face is automatically recognized and the smiling face of the recognized person is detected.

- In some shooting conditions, face recognition does not work and faces cannot be detected.
- See "Face Priority" (🐾 104) for more information about Face Priority.

🖉 **Operation of Shutter-Release Button**

Press the shutter-release button to shoot pictures.

- When Face priority takes effect, the focus is locked on the recognized face and the shutter-release button is automatically released.
- When the Face priority doesn't take effect, the camera focuses on subject in center of frame.

🖉 **Available Functions in Smile Mode**

- Settings can be changed for Flash mode (🐾 28) and Exposure Compensation (🐾 32).
- Pressing the **MENU** button in the smile mode can change the image mode (🐾 95). Changes made to these settings apply to all shooting modes (except high-speed continuous mode and movie mode).
- Digital zoom is not available.

🔍 **More Information**

See, "Autofocus" (🐾 25) for more information.

Using the high-speed continuous mode

High-speed continuous mode allows rapid, continuous shooting while you press and hold the shutter-release button fully. With continuous shooting, instantaneous movements in moving subjects can be captured clearly.

- The shutter speed is set automatically within the range of 1/4,000 s to 1/15 s.
- The ISO sensitivity is set automatically within the range of ISO 900 to 3200.
- The image mode setting (🐷 95) is fixed at 🎗 Normal (2048).
- The focus, exposure, and white balance settings are fixed at the values for the first picture in each series.

1 Enter high-speed continuous mode by pressing **MODE** in shooting mode, selecting 🔳 (use the rotary multi selector), and then pressing 🆗.
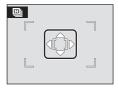
2 Select one from the following items with the rotary multi selector and press 🆗.

- **High-speed Continuous H**: Up to 30 frames at approx. 12 frames per second
- **High-speed Continuous M**: Up to 30 frames at approx. 6 frames per second
- **High-speed Continuous L**: Up to 30 frames at approx. 4 frames per second

3 Frame the subject.

- Press 🆗 to move the focus area. Press the rotary multi selector ▲, ▼, ◀ or ▶ to move the focus area to the focus position.
- Press 🆗 again to lock the focus area.

Shooting continuously at high speed

4 Press the shutter-release button halfway.

- The focus area glows green and focus will be locked.
- When the camera is unable to focus, the focus area will blink. Change the composition and try pressing the shutter-release button halfway again.

〖 〗

1/250 F2.8

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

Continuous shooting continues as long as the shutter-release button is pressed fully until the number of shot frames reaches the maximum available number.

Shooting continuously at high speed

🖉 Notes on High-speed Continuous Mode

- The speed of continuous shooting may be slower depending on shutter speed settings and the data transfer speed of the memory card.
- As the ISO sensitivity is automatically set to a high setting, the captured pictures may appear rough as a result.
- As the ISO sensitivity is fixed at 900 and over, proper exposure may not be obtained in clear weather (pictures may be overexposed).
- If bright objects such as the sun or electric lights are captured during high-speed continuous shooting, vertical streaks of light may appear in the recorded images. We recommend that you avoid capturing bright objects during high-speed continuous shooting.
- Digital zooming is not available.
- The flash setting is fixed at 🚫 (off).
- The macro mode (🖾 31) and Exposure compensation (🖾 32) are available.
- The self-timer is not available.
- The AF-assist illumination turns off automatically regardless of the setting of the AF-assist illumination (🖾 124).

P, S, A and M modes

The four exposure modes -- P (Programmed Auto), S (Shutter-priority auto), A (Aperture-priority auto) and M (Manual) -- can be used in shooting by changing the shooting mode. In addition to allowing you to set the shutter speed, aperture and ISO sensitivity yourself, these modes offer control over a variety of advanced settings such as changing the white balance in the shooting menu (🖲 93).

Mode		Description
P	Programmed auto (🖲 52)	Camera sets shutter speed and aperture for optimal exposure. Recommended for snapshots and in other situations in which there is little time to adjust camera settings. Flexible program, which changes the combination of shutter speed and aperture, can be used (🖲 52).
S	Shutter-priority auto (🖲 54)	User chooses shutter speed; camera selects aperture for best results. Use to freeze or blur motion.
A	Aperture-priority auto (🖲 56)	User chooses aperture; camera selects shutter speed for best results. Use to blur background or bring both foreground and background into focus.
M	Manual (🖲 58)	User controls shutter speed, aperture and ISO sensitivity.

A S A M modes

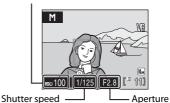**⚠ Note on A, S, A and M Shooting Modes**

The **Motion detection** turns **off** automatically regardless of the setting of the **Motion detection**.

📷 Shutter Speed and Aperture

The same exposure can be achieved with different combinations of shutter speed and aperture, allowing you to freeze or blur motion and control depth of field. The following figure shows how shutter speed and aperture affect exposure. The shutter speed and aperture setting that obtain the optimum exposure vary with the ISO sensitivity setting (🍃 101).
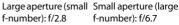
ISO sensitivity

Shutter speed ———   ——— Aperture

Fast shutter speed: 1/1,000 s

Slow shutter speed: 1/30 s

Large aperture (small f-number): f/2.8

Small aperture (large f-number): f/6.7

Shooting in A, S, A, and M Modes

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A (Programmed Auto) Mode

Shoot pictures with shutter speed and aperture value set automatically by the camera (🖎 50).

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

Programmed auto

2 Frame the subject, focus, and shoot.

When the camera recognizes a face (front view), that face will be framed by a yellow double border (by default) (🖎 103).

When shooting non-human subjects or when no faces are recognized, AF area mode will switch to Auto, and the camera will

automatically select the focus area (one of nine) containing the subject closest to the camera.

Flexible Program

In mode **P**, different combinations of shutter speed and aperture can be selected by rotating the rotary multi selector ("flexible program"). While flexible program is in effect, an asterisk (✱) appears next to the mode indicator (**P**) in the monitor.

- Rotate the rotary multi selector clockwise for large apertures (small f-numbers) that blur background details or fast shutter speeds that "freeze" motion.
- Rotate the rotary multi selector counterclockwise for small apertures (large f-numbers) that increase depth of field or slow shutter speeds that blur motion.
- To restore default shutter speed and aperture settings, rotate the rotary multi selector until the asterisk (✱) next to the mode indicator is no longer displayed. Selecting another mode, or turning off the camera, also restores default shutter speed and aperture settings.

⚠ Note on Shutter Speed

When **Continuous**, **BSS** or **Multi-shot 16** is selected for Continuous (🖾 100), the slowest shutter speed available is 1 s.

⚠ Note on ISO Sensitivity

- When the ISO sensitivity is changed by following Step 7 (🖾 59) in the shooting mode **M** and a picture is shot, the **ISO sensitivity** setting in the shooting menu will also change.
- When you take a picture in the **P**, **S** or **A** shooting mode after using the **M** shooting mode, check the **ISO sensitivity** in the shooting menu.

S (Shutter-Priority Auto) Mode

Set the shutter speed and shoot pictures (❖ 50).

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

2 Rotate the rotary multi selector to choose the shutter speed value between 1/2,000 s and 8 s.

Rotating the rotary multi selector counterclockwise makes the shutter speed slower, and rotating it clockwise makes the speed faster.

3 Focus and shoot.

When the camera recognizes a face (front view), that face will be framed by a yellow double border (by default) (❖ 103).

When shooting non-human subjects or when no faces are recognized, AF area mode will switch to Auto, and the camera will automatically select the focus area (one of nine) containing the subject closest to the camera.

Shooting in **P**, **S**, **A**, and **M** Modes

❚✔ S (Shutter-Priority Auto) Mode

- If the selected shutter speed would result in the picture being over- or underexposed, the shutter-speed display will flash when the shutter-release button is pressed halfway. Choose another shutter speed and try again.
- When the shutter speed is made slower and the shutter speed indicator turns red, noise will be reduced in the recorded image. In such case, image recording time becomes longer.

❚✔ Note on Shutter Speed

- When **Continuous**, **BSS** or **Multi-shot 16** is selected for Continuous (🖾 100), the slowest shutter speed available is 1 s.
- When **ISO sensitivity** (🖾 101) is set to **6400**, the slowest shutter speed available is 4 s. When it is set to **12800**, the slowest shutter speed available is 2 s.

❚✔ Shutter Speed of 1/2,000 s

A shutter speed of 1/2,000 s is only available at the wide-angle zoom position.

❚✔ Note on ISO Sensitivity

- When the ISO sensitivity is changed by following Step 7 (🖾 59) in the shooting mode M and a picture is shot, the **ISO sensitivity** setting in the shooting menu will also change.
- When you take a picture in the P, S or A shooting mode after using the M shooting mode, check the **ISO sensitivity** in the shooting menu.

▢ (Aperture-Priority Auto) Mode

Set the aperture value and shoot pictures (🖎 50).

1 Enter ▢ mode by pressing MODE in shooting mode, selecting ▢ (use the rotary multi selector), and then pressing ⓞⓀ.

2 Rotate the rotary multi selector to choose the f/-number (aperture value).

Rotating the rotary multi selector counterclockwise decreases the aperture value (full aperture side), and rotating it clockwise increases the aperture value (small aperture side).

When the camera is zoomed all the way out, aperture can be set to values between f/2.8 and f/6.7; at maximum zoom, aperture can be set to values between f/5.6 and f/7.3.

3 Focus and shoot.

When the camera recognizes a face (front view), that face will be framed by a yellow double border (by default) (🖎 103).

When shooting non-human subjects or when no faces are recognized, AF area mode will switch to Auto, and the camera will automatically select the focus area (one of nine) containing the subject closest to the camera.

✔ H (Aperture-Priority Auto) Mode

If the selected aperture would result in the picture being over- or underexposed, the aperture display will flash when the shutter-release button is pressed halfway. Choose another aperture and try again.

✔ Note on Shutter Speed

When **Continuous**, **BSS** or **Multi-shot 16** is selected for Continuous (🖫 100), the slowest shutter speed available is 1 s.

✔ Note on ISO Sensitivity

- When the ISO sensitivity is changed by following Step 7 (🖫 59) in the shooting mode M and a picture is shot, the **ISO sensitivity** setting in the shooting menu will also change.
- When you take a picture in the P, S or H shooting mode after using the M shooting mode, check the **ISO sensitivity** in the shooting menu.

🔍 Aperture and Zoom

Aperture is expressed as an f-number, which is the ratio of the focal length of the lens to the effective diameter of the opening (aperture) through which light enters the camera. Large apertures (expressed by small f-numbers) let more light into the camera, small apertures (large f-numbers) less. When the camera is zoomed out, the focal length of the lens diminishes and the f-number decreases. When the camera is zoomed in, the focal length and f-number increase.

The COOLPIX S710 has a lens with a focal length of 6–21.6mm and an aperture of f/2.8 to f/5.6.

M (Manual) Mode

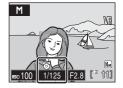Set the shutter speed, aperture and ISO sensitivity, and shoot pictures (🄰 50).

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

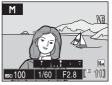**2** Press the rotary multi selector ▶ to activate the shutter speed setting.

The active setting switches shutter speed, aperture and ISO sensitivity each time the rotary multi selector ▶ is pressed.

3 Rotate the rotary multi selector to choose a shutter speed between 1/2,000 s and 8 s.
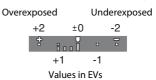
Rotating the rotary multi selector counterclockwise makes the shutter speed slower, and rotating it clockwise makes the speed faster.

When adjusting aperture or shutter speed, the degree of deviation from the exposure value measured by the camera is displayed for a few seconds in the exposure display.

The degree of deviation in the exposure display is shown in EVs (-2 to +2 EV in increments of 1/3 EV). A display similar to that illustrated at right indicates that the picture will be overexposed by 1 EV (+1).

Overexposed   Underexposed

+2   ±0   -2

+1   -1

Values in EVs

Shooting in **P**, **S**, **A**, and **M** Modes

4 Press the rotary multi selector ▶ to activate the aperture setting.

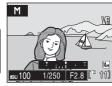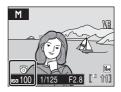**5** Rotate the rotary multi selector to choose an aperture value.

Rotating the rotary multi selector counterclockwise decreases the aperture value (full aperture side), and rotating it clockwise increases the aperture value (small aperture side).

6 Press the rotary multi selector ▶ to activate the ISO sensitivity setting.

7 Rotate the rotary multi selector to set the ISO sensitivity (100 to 12800).

- Rotating the rotary multi selector clockwise increases the ISO sensitivity, and rotating it counterclockwise decreases the ISO sensitivity.
- Repeat steps 2 to 7 to adjust the shutter speed, aperture value and ISO sensitivity as necessary.

8 Focus and shoot.

When the camera recognizes a face (front view), that face will be framed by a yellow double border (by default) (🔲 103).

When shooting non-human subjects or when no faces are recognized, AF area mode will switch to Auto, and the camera will automatically select the focus area (one of nine) containing the subject closest to the camera.

Shooting in **P**, **S**, **A**, and **M** Modes

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❎ Note on Shutter Speed

- When **Continuous**, **BSS** or **Multi-shot 16** is selected for Continuous (❎ 100), the slowest shutter speed available is 1 s.
- When **ISO sensitivity** (❎ 101) is set to **6400**, the slowest shutter speed available is 4 s. When it is set to **12800**, the slowest shutter speed available is 2 s.
- When the shutter speed is made slower and the shutter speed indicator turns red, noise will be reduced in the recorded image. In such case, image recording time becomes longer.

❎ Shutter Speed of 1/2,000 s

A shutter speed of 1/2,000 s is only available at the wide-angle zoom position.

❎ Note on ISO Sensitivity

- Even if **ISO sensitivity** (❎ 101) in the shooting menu is set to **Auto** (default setting) or **High ISO sensitivity auto**, ISO sensitivity will change to manual setting by selecting the **M** shooting mode.
- When the ISO sensitivity is changed by following Step 7 (❎ 59) in the shooting mode **M** and a picture is shot, the **ISO sensitivity** setting in the shooting menu will also change.
- When you take a picture in the **P**, **S** or **A** shooting mode after using the **M** shooting mode, check the ISO sensitivity in the shooting menu.
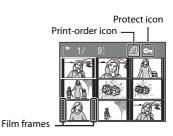
Viewing Multiple Pictures: Thumbnail Playback

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

To	Use	Description	🐾
Choose pictures	(rotary multi selector)	Use the rotary multi selector to choose pictures.	9
Change number of pictures displayed	**W** (■) **T** (Q)	When **W** (■) is pressed, number of thumbnails displayed will change in the following order: 9 → 16 → 25 When **T** (Q) is pressed, number of thumbnails will change reversely.	–
Cancel thumbnail playback	⑥	Press ⑥.	26
Switch to shooting mode	▶ ↓ 🔘	Press ▶ or the shutter-release button to return to the last shooting mode selected.	26

More on Playback

🖉 Thumbnail Playback Mode Display

While pictures selected for printing (🐾 91) and
protected pictures (🐾 111) are chosen, the icons
shown at right are displayed with them. Movies
are displayed as film frames.

Protect icon

Print-order icon

Film frames

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Taking a Closer Look: Playback Zoom

Pressing **T** (Q) during full-frame playback mode (A 26) zooms the current picture, with the center of the picture displayed in the monitor.

- The guide displayed in the right bottom in the monitor will show which part of the image is currently displayed.

The following operations can be performed while pictures are zoomed in.

To	Use	Description	A
Zoom in	**T** (Q)	Press **T** (Q) to enlarge view of picture currently displayed in monitor, up to about 10×.	–
Zoom out	**W** (⊞)	Press **W** (⊞). When the magnification ratio reaches 1×, the display returns to full-frame playback mode.	–
View other areas of picture		Press the rotary multi selector ▲, ▼, ◀ or ▶ to scroll to areas of the picture not visible in the monitor.	9
Switch to full-frame playback	⊛	Press ⊛.	26
Crop picture	**MENU**	Press **MENU** to crop current picture to contain only the portion visible in the monitor.	65
Switch to shooting mode	▶ / shutter	Press ▶ or the shutter-release button to return to the last shooting mode selected.	26

Pictures taken in Face Priority

When pressing **T** (Q) during full-frame playback mode, the picture taken in Face Priority (A 104) will be enlarged using the face which was focused on during shooting time as the centralized point.

- If several faces are recognized, the picture will be enlarged using the face which was focused on during shooting time as the centralized point, and pressing the rotary multi selector ▲, ▼, ◀ or ▶ will enable you to switch between the people's faces.
- Further pressing **T** (Q) or **W** (⊞) can change the magnification ratio and the pictures will be zoomed in as usual.

Editing Pictures

Use the COOLPIX S710 to edit pictures in-camera and store them as separate files (❧ 134). The editing features described below are available.

Editing function	Description
D-Lighting (❧ 64)	Create a copy of the current picture with enhanced brightness and contrast, brightening dark portions of the picture.
Crop (❧ 65)	Enlarge the image or refine the composition and create a copy containing only the portion visible in the monitor.
Small picture (❧ 66)	Create a small copy of pictures suitable for use on web pages or as e-mail attachments.

🖉 Picture Editing

- Pictures taken at an **Image mode** setting of 🖼 **16:9 (4352)** or 🖼 **16:9 (1920)** (❧ 95) cannot be edited.
- The COOLPIX S710 editing functions are not available for pictures taken with non-COOLPIX S710 digital cameras.
- If a copy created using the COOLPIX S710 is viewed on a different digital camera, the picture may not be displayed or may not be transferred to a computer.
- Editing functions are not available when there is not enough free space in the internal memory or on the memory card.

🖉 Restrictions on Picture Editing

(✔: available, –: not available)

	2nd editing		
1st editing	D-Lighting	Crop	Small picture
D-Lighting	–	✔	✔
Crop	–	–	–
Small picture	–	–	–

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

🔍 Original Pictures and Edited

- Copies created with editing functions are not deleted if the original pictures are deleted. The original pictures are not deleted if copies created with editing functions are deleted.
- Edited copies are stored with the same recording date and time as the original.
- Edited copies are not marked for printing (❧ 91) or protecting (❧ 111) 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 (🖼 26) or thumbnail (🖼 61) playback mode and press MENU.

The playback menu will be shown.

2 Use the rotary multi selector to choose **D-Lighting** and press 🆗.

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

> 🖼 Playback menu
> 🔆 D-Lighting
> 🖨 Print set
> 🖼 Slide show
> 🗑 Delete
> ⊙ⁿ Protect
> MENU Exit

3 Choose **OK** and press 🆗.

A new copy with enhanced brightness and contrast is created.

To cancel D-Lighting, choose **Cancel** and press 🆗.

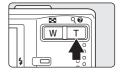D-Lighting copies can be recognized by the 🔆 icon displayed during playback.

> 🔆 D-Lighting
>
> OK
> Cancel

> 15/11/2008 15:30
> 0005.JPG

🔍 **More Information**

See, "Image/Sound File and Folder Names" (🖼 134) for more information.

More on Playback

Creating a Cropped Copy: Crop

This function is only available when **MENU** ✂ is displayed in the monitor with playback zoom (🖼 62) enabled. Cropped copies are stored as separate files.

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

Cropping can be done by enlarging the portrait image displayed until the right and left black bands on the screen cannot be seen, but the cropped image is displayed in the landscape position. If you want to crop

the portrait image in the captured position, use **Rotate Image** (🖼 112) to change the position of the portrait image to landscape before cropping it, and then return the image to the captured position.

2 Refine copy composition.

Press **T** (Q) or **W** (🔲) to adjust the zoom ratio.

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

3 Press **MENU**.

4 Use the rotary multi selector to choose **Yes** and press ℗.

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

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

Save this image as displayed?

No
Yes

🖉 **About the size of the original image**

The smaller the cropped area of the image, the smaller of the cropped image size (number of pixels). When the image is cropped and the size of the cropped copy is 320 × 240 or 160 × 120, a small picture icon 🔲 or 🔲 will be displayed on the left of the playback screen.

🔎 **More Information**

See, "Image/Sound File and Folder Names" (🖼 134) for more information.
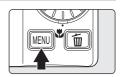
More on Playback

📑 Resizing Pictures: Small Picture

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

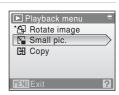| Option	Description
📑 640×480	Suited to television playback.
📑 320×240	Suited to display on web pages.
📑 160×120	Suitable for e-mail attachments.

1 Select the desired picture from full-frame
(📷 26) or thumbnail (📷 61) playback mode
and press MENU.

The playback menu is displayed.
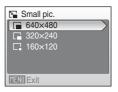
2 Use the rotary multi selector to choose **Small
pic.** and press 🆗.

Press MENU to return to the playback mode without
creating a new picture.

> ▶ Playback menu
> 🔄 Rotate image
> 📑 Small pic.
> 📑 Copy
>
> MENU Exit

3 Choose the desired copy size and press 🆗.

> 📑 Small pic.
> 📑 640×480
> 📑 320×240
> 📑 160×120
>
> MENU Exit

4 Choose **Yes** and press 🆗.

A new, smaller copy is created.

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

The copy is displayed with a gray frame.

> Create small picture file?
>
> No
> Yes

🔍 **More Information**

See, "Image/Sound File and Folder Names" (📷 134) for more information.

More on Playback

Voice Memos: Recording and Playback

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

Recording Voice Memos

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

- Do not touch the built-in microphone
  during recording.
- During recording, 🔴 and 🕮 blink.

Playing Voice Memos

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

- Pictures with voice memos can be
  recognized by the 🔠🔋🕮 icons.
- Use the zoom buttons **T**/**W** during
  playback to adjust the volume.

Deleting Voice Memos

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

⚠ Voice Memos

- 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, it must be deleted before a new voice memo
  can be recorded.
- The COOLPIX S710 cannot be used to attach voice memos to pictures shot with cameras other
  than the COOLPIX S710.

🔍 More Information

See "Image/Sound File and Folder Names" (🔠 134) for more information.

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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 **🗓** (use the rotary multi selector), and then pressing 🆗.
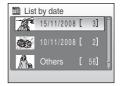
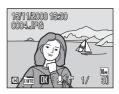Dates for which pictures exist will be listed.

2 Choose the desired date and press 🆗.

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

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

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

More on Playback

Using List by Date Mode

The following operations are possible from the date selection screen.

To	Use	Description	✂
Select date	(rotary multi selector)	Use the rotary multi selector to choose pictures.	9
Switch to full-frame playback	ⓞ	Press ⓞ to display the first picture taken on the selected date. Press **W** (⊟) in full-frame playback to return to the calendar or list by date mode selected before viewing in full-frame playback.	26
Delete picture	🗑	Press 🗑 to delete all pictures taken on the selected date. Choose **Yes** on the confirmation dialog to be displayed.	26
View list by date menu	**MENU**	Press **MENU** to display the list by date menu.	70
View playback-mode menu	**MODE**	Press **MODE** to display the playback-mode selection menu.	8
Switch to shooting mode	▶ ⬇	Press ▶ or the shutter-release button to return to the last shooting mode selected.	26

More on Playback

❎ Notes on List by Date Mode

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

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.

D-Lighting*   🔊 64
Print set   🔊 91
Slide show   🔊 110
Delete   🔊 111
Protect   🔊 111
Rotate image*   🔊 112
Small pic.*   🔊 66

* During full-frame playback only

When **MENU** is pressed in the date selection screen (🔊 68), 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**.

More on Playback

❎ 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 to the existing marking. Select **No** to remove the existing print and leave only the new marking.

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 🔘.

The maximum length of the movie that can be recorded is displayed in the monitor.

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

Camera focuses on subject in center of frame.

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 Movies

- Macro mode (🦶 31) is available in all modes. Flash mode (🦶 28), exposure compensation (🦶 32), self-timer (🦶 30) cannot be used.
- Macro mode settings cannot be applied or changed while movies are being recorded. Apply or change settings as necessary before movie recording begins.
- Optical zoom cannot be applied while movies are recorded. Digital zoom cannot be used just before recording a movie, but up to 2× digital zoom can be applied while movies are recorded.

✍ During Recording

The movie is being recorded from when the movie shooting was terminated to when the shooting screen appears.

Do not open the battery-chamber / memory card slot cover.

Removing the memory card or the battery during the movie recording may result in loss of the movie data or damage to the camera or the memory card.

⚙ Changing Movie Settings

Movie options, or **Autofocus mode** can be changed (🦶 72).

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Movies

The Movie Menu

Movie options, or **Autofocus mode** settings can be changed from 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
📺 TV movie 640	Image size: 640 × 480 pixels Frame rate: 15 frames per second
📷 Small size 320★	Image size: 320 × 240 pixels Frame rate: 30 frames per second
📷 Small size 320	Image size: 320 × 240 pixels Frame rate: 15 frames per second

🖉 Movie Options and Maximum Movie Length

Option	Internal memory (approx.42 MB)	Memory card (256 MB)
📺 TV movie 640★ (default setting)	21 s	Approx. 2 min
📺 TV movie 640	43 s	Approx. 4 min 5 s
📷 Small size 320★	1 min 27 s	Approx. 8 min 15 s
📷 Small size 320	2 min 50 s	Approx. 16 min

* All figures are approximate. Maximum movie length or frames varies with make of memory card. The maximum file size for movies is 2 GB. Even if the memory card has a capacity greater than 4 GB, the camera displays the maximum movie length for the file size of 2 GB.

🔍 More Information

See, "Image/Sound File and Folder Names" (🐾 134) for more information.

Movies

Autofocus mode

Choose how the camera focuses in movie mode.

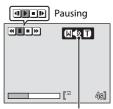| Option	Description
﷽ Single AF (default setting)	Camera focuses when shutter-release button is pressed halfway and locks at this position during shooting.
﷽ Full-time AF	Camera focuses continuously until focus is acquired and locked. To prevent sound of camera focusing from interfering with recording,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

Movie Playback

In full-frame playback mode (🔲 26), movies are
recognized by the Movie options icon (🔲 72). To play a
movie, display it in full-frame playback mode and press
🆗.

15/11/2008 15:30
0010.AVI

🔲 : 🔁

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

Rotating the rotary multi selector enables fast-
forwarding/rewinding.

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

Pausing

4s

Volume indicator
During playback

To	Press	Description		
Rewind	◀	Rewind movie. Playback resumes when 🆗 is released.		
Advance	▶	Advance movie. Playback resumes when 🆗 is released.		
Pause	❚❚	Pause playback. The following operations can be performed while playback is paused.		
			◀❚	Rewind movie by one frame*. Rewind continues while 🆗 is pressed.
			❚▶	Advance movie by one frame*. Advance continues while 🆗 is pressed.
			▶	Resume playback.
End	■	End playback and return to full-frame playback.		

* Rotating the rotary multi selector while playback is paused rewinds or advances the movie
by one frame.

Deleting Movie Files

Press 🗑 when displayed in full-frame playback mode
(🔲 26), or when selected in thumbnail (🔲 61) playback
mode. A confirmation dialog is displayed. Choose **Yes**
and press 🆗 to delete the movie, or choose **No** and
press 🆗 to return to the normal playback display
without deleting the movie.

🗑
Erase 1 image?

No
Yes

Movies

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 ®.

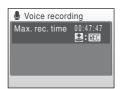The length of recording that can be made will be displayed.

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

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

See, "Operations During Recording" (🗐 76) 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 five hours of recording on the memory card.

🔍 More Information

See, "Image/Sound File and Folder Names" (🗐 134) for more information.

Operations During Recording

Recording indicator
File number
Length of recording
Progress indicator

🎤 Voice recording
REC
001 15/11/2008 17:30
00:01:00/00:46:47
◄ ⬍ ► Index : 01
🞈:⏸ 🞈:⏹

Date of recording
Time remaining
Index number

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.
Create index*	(rotary multi selector)	During recording, press the rotary multi selector to create index. Camera can skip to any index during playback. Start of recording is index number one; other numbers are assigned in ascending order, to a maximum of 98.
End recording	⬇	Press the shutter-release button all the way down a second time to end recording.

* The copied files can be played back using QuickTime or any other WAV-compatible audio player. Note that index points created with the camera cannot be used when voice recordings are played back on computers.

Voice Recordings

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Playing Voice Recordings

1 Enter voice recording mode by pressing **MODE** in shooting mode, selecting 🎤 (use the rotary multi selector), and then pressing ⓞ.
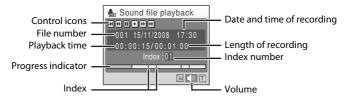
2 Choose the desired file and press ⓞ.

The selected file will be played back.

Operations During Playback

♬ Sound file playback

- Control icons
- File number — 001 15/11/2008 17:30 — Date and time of recording
- Playback time — 00:00:15/00:01:00 — Length of recording
- Index :01 — Index number
- Progress indicator
- Index
- Volume

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

Rotating the rotary multi selector enables fast-forwarding/rewinding.

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

To	Press	Description
Rewind	◀	Rewind voice recording. Playback resumes when ® is released.
Advance	▶	Advance voice recording. Playback resumes when ® is released.
Skip to previous index	◀◀	Skip to previous index.
Skip to next index	▶▶	Skip to next index.
Pause	❚❚	Pause playback. The following operations can be performed while playback is paused:
	▶	Resume playback.
End	◼	End playback and return to the voice recording screen.

Deleting Sound Files

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

🗣 Delete
File will be deleted. OK?
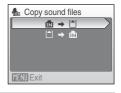
No
Yes

Voice Recordings

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 Display the **Voice recording** screen (▲ 77 step 2) and press the MENU button.

2 Use the rotary multi selector to choose the option and press ⓞ.

  ⬛➡️🗂️: Copy recordings from internal memory to memory card

  🗂️➡️⬛: Copy recordings from memory card to internal memory

              🔊 Copy sound files
                ⬛ ➡️ 🗂️
                🗂️ ➡️ ⬛
          MENU Exit

3 Choose the copy option and press ⓞ.
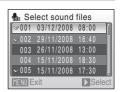
Selected files: Proceed to step 4

Copy all files: Proceed to step 5

              🔊 Camera to card
              Selected files
              Copy all files
          MENU Exit

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.
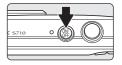- Press ⓞ to finalize file selection.

              🔊 Select sound files
         ✅001　03/12/2008　08:00
         　002　29/11/2008　16:40
         　003　26/11/2008　13:00
         　004　15/11/2008　18:30
         　005　15/11/2008　17:30
         MENU Exit　　　▶Select

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

Copying starts.

🖉 **Voice Recordings**

The COOLPIX S710 may be unable to copy sound files created with cameras other than the COOLPIX S710.
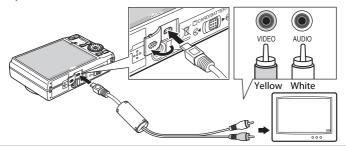
Connecting to a TV

Connect the camera to a television using the supplied audio video cable (AV 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.

Yellow   White

3 Tune the television to the video channel.

See the documentation provided with your television for details.

4 Hold down ▶ to turn on the camera.

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

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

✔ Connecting an AV Cable

When connecting the AV cable, be sure that the camera connector is oriented correctly. Do not use force when connecting the AV cable to the camera. When disconnecting the AV 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 (❙ 114) > **Video mode** (❙ 129).

Connecting to a Computer

Use the supplied USB cable to connect the camera to a computer, and copy (transfer) pictures to a computer with the supplied Nikon Transfer software.

Before Connecting the Camera

Install the Software

Before connecting the camera to a computer, software, including Nikon Transfer, and Panorama Maker for creating panorama images 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 the Camera

Windows

Preinstalled versions of 32-bit Windows Vista Service Pack 1 (Home Basic/Home Premium/Business/Enterprise/Ultimate editions), Windows XP Service Pack 2 (Home Edition/Professional)

Macintosh

Mac OS X (version 10.3.9, 10.4.11, 10.5.2)

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.
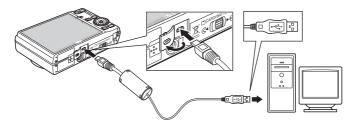
If the AC Adapter EH-62F (🔋 133) that is sold separately is used, COOLPIX S710 can be charged using the home electrical outlet. Do not use any other AC adapters as it will cause the camera to heat up or malfunction.

📝 If You Are Using Windows 2000 Professional

- Do not connect the camera to the computer.
- Use a card reader or similar device to transfer pictures stored on the memory card to the computer (🔋 84).
- If the camera has been connected to the computer, the Found New Hardware Wizard dialog is displayed. Select **Cancel** to close the dialog and disconnect the camera from the computer.

Transferring Pictures from a Camera to a Computer

1 Start the computer to which Nikon Transfer was installed.

2 Turn off the camera.

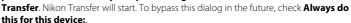**3** Connect the camera to the computer using the supplied USB cable.

4 Turn on the camera.

The power-on lamp will light.

Windows Vista

When the AutoPlay dialog is displayed, click **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 action selection dialog is displayed, click **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.

M 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.

Start Transfer button

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

When ViewNX is installed, ViewNX automatically starts to check the transferred pictures.

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.

🔍 Using a Card Reader

The pictures stored on the memory card inserted into a card reader or similar device can also be transferred to the computer using Nikon Transfer.

- 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 of "Transferring Pictures from a Camera to a Computer" (🐾 83).
- 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 (🐾 79, 113).

🔍 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.

🔍 Panorama Creation with Panorama Maker

- Use a series of pictures taken using the **Panorama assist** option in scene mode (🐾 39) to create a single panorama photo with Panorama Maker.
- Panorama Maker can be installed to a computer using the supplied Software Suite CD. After installation is complete, follow the procedure described below to start Panorama Maker.
  Windows

  Open **All Programs** (**Programs** under Windows 2000) from the **Start** menu>**ArcSoft Panorama Maker 4**>**Panorama Maker 4**.
  Macintosh

  Open Applications by selecting **Applications** from the **Go** menu, and double-click the **Panorama Maker 4** icon.
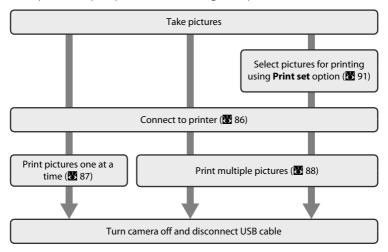- For more information on using Panorama Maker, refer to the on-screen instructions and help information contained in Panorama Maker.

🔍 More Information

See, "Image/Sound File and Folder Names" (🐾 134) for more information.

Connecting to a Printer

Users of PictBridge-compatible (🖼 152) printers can connect the camera directly to the printer and print pictures without using a computer.

```
Take pictures
```

```
Select pictures for printing
using Print set option (🖼 91)
```

```
Connect to printer (🖼 86)
```

```
Print pictures one at a
time (🖼 87)
```

```
Print multiple pictures (🖼 88)
```

```
Turn camera off and disconnect USB cable
```

⚠️ 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.

If the AC Adapter EH-62F (🖼 133) that is sold separately is used, COOLPIX S710 can be charged using the home electrical outlet. Do not use any other AC adapters as it will cause the camera to heat up or malfunction.
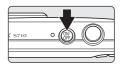
🔍 Printing Pictures

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 (🖼 91).
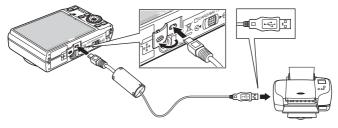
Connecting the Camera and Printer

1 Turn off the camera.
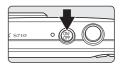
2 Turn on the printer.

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 startup screen ① will be displayed in the camera monitor. Then the print selection screen will be displayed ②.

①

PictBridge

② 7 Print selection

15/11
2008

NO. 12
[12]

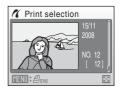MENU : ⊡MENU

✔ Connecting the Audio Video/USB Cable

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

Connecting to Televisions, Computers and Printers
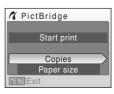
Printing Pictures One at a Time

After connecting the camera to the printer correctly (🖑 86), print pictures by following the procedure below.

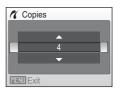**1** Use the rotary multi selector to choose the desired picture and press ⊛.

Press **W** (🔳) to display 12 thumbnails, and **T** (🔍) to switch back to full-frame playback.
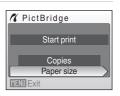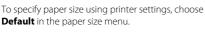
2 Choose **Copies** and press ⊛.

3 Choose the number of copies (up to nine) and press ⊛.

4 Choose **Paper size** and press ⊛.

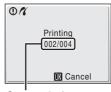**5** Choose the desired **Paper size** and press ⊛.

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

Connecting to Televisions, Computers and Printers

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6 Choose **Start print** and press ⓚ.

PictBridge

Start print

Copies
Paper size

MENU Exit

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 ⓚ.

Printing
002/004

Cancel

Current print/
total number of prints

Printing Multiple Pictures

After connecting the camera to the printer correctly (🌑 86), 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 ⓚ.

Print menu

Print selection
Print all images
DPOF printing
Paper size

MENU Exit

3 Choose the desired **Paper size** and press ⓚ.

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

Paper size

4×6 in.
8×10 in.
Letter
A3
A4

MENU Exit

4 Choose **Print selection**, **Print all images** or **DPOF printing** and press $\circledR$.

Print menu
Print selection
Print all images
DPOF printing
Paper size

MENU Exit

Print selection

> Choose the pictures 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.
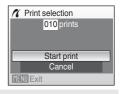> Pictures selected for printing can be recognized by the check mark (❤) and the numeral indicating the number of copies to be printed.
> Pictures for which no copies have been specified will not be printed.
> Press **T** (Q) to switch to full-frame playback.
> Press **W** (☐) to switch back to thumbnail display.
> Press $\circledR$ when setting is complete.

Print selection   10

MENU Back   ☐+−Q

> The menu shown at right will be displayed.
> To print, choose **Start print** and press $\circledR$.
> Choose **Cancel** and press $\circledR$ to return to the print menu.

Print selection
010 prints

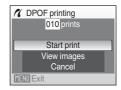Start print
Cancel

MENU Exit

Print all images

> All pictures stored in the internal memory, or on the memory card, are printed one at a time. The menu shown at right will be displayed.
> To print, choose **Start print** and press $\circledR$.
> Choose **Cancel** and press $\circledR$ to return to the print menu.

Print all images
012 prints

Start print
Cancel

MENU Exit

Connecting to Televisions, Computers and Printers

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DPOF printing

Print pictures for which a print order was created in **Print set** (🖼 91).

- The menu shown at right will be displayed.
- To print, choose **Start print** and press 🆗.
- Choose **Cancel** and press 🆗 to return to the print menu.

- To view the current print order, choose **View images** and press 🆗. To print pictures, press 🆗 again.
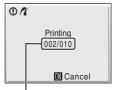
5 Printing starts.

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

To cancel before all copies have been printed, press 🆗.

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 × 150 mm**, **4 × 6 in.**, **8 × 10 in.**, **Letter**, **A3**, and **A4**. Only sizes supported by the current printer will be displayed. To specify paper size using printer settings, choose **Default** in the paper size menu.

Creating a DPOF Print Order: Print Set

The **Print set** option in the playback menu is used to create digital "print orders" for printing on DPOF-compatible devices (🐾 152).

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 ⓞ.

The print set menu is displayed.

▶ Playback menu
🖽 D-Lighting
🖪 Print set
🖵 Slide show
🗑 Delete
• On Protect
MENU Exit

3 Choose **Select images** and press ⓞ.

🖪 Print set
Select images
Delete print set
MENU Exit

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

Rotate the rotary multi selector or press ◀ or ▶ to choose the desired pictures. 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** (🔢) to switch back to thumbnail display.
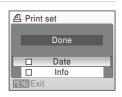
Press ⓞ when setting is complete.

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

Choose **Date** and press 00 to print date of recording on all pictures in the print order.

Choose **Info** and press 00 to print photo information (shutter speed and aperture) on all pictures in the print order.

Choose **Done** and press 00 to complete the print order and exit.

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

✔ Notes on Printing Shooting with 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 (🍱 152) 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 (🍱 88).
- **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 00. Print orders for all pictures will be deleted.

✐ Note on the Print Set Date Option

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

🔍 Date Imprint

When date and time of recording are imprinted on pictures using the **Date imprint** option (🍱 121) 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 P, S, A, and M modes contain the following options.

✦	Image mode*	95
	Choose image size and quality.	
WB	White balance	97
	Match white balance to the light source.	
▣	Metering	99
	Choose how the camera meters exposure.	
⬛	Continuous	100
	Change settings for Continuous or BSS (best shot selector).	
ISO	ISO sensitivity	101
	Control camera's sensitivity to light.	
⌗	Color options	102
	Apply color effects to pictures as they are recorded.	
H	AF area mode	103
	Choose where the camera focuses.	
AF	Autofocus mode	106
	Choose how the camera focuses.	

* **Image mode** can change the settings for menus of other shooting modes (except high-speed continuous mode and movie mode).

⚠ Camera settings that cannot be applied at the same time

Some functions may not be set at the same time (🏕 107).

Displaying the Shooting Menu

Enter $\boldsymbol{\mathsf{P}}$ (Programmed Auto), $\boldsymbol{\mathsf{S}}$ (Shutter-Priority Auto), $\boldsymbol{\mathsf{A}}$ (Aperture-Priority Auto), or $\boldsymbol{\mathsf{M}}$ (Manual) by pressing MODE in shooting mode, and then pressing $\circledR$. Press MENU to display the shooting menu.

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

✿ Image Mode

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

Option	Size (pixels)	Description
🔳 High (4352★)	4,352 × 3,264	Highest quality, suitable for enlargements or high-quality prints. The compression ratio is approximately 1:4.
🔳 Normal (4352) (default setting)	4,352 × 3,264	Best choice in most situations. The compression ratio is approximately 1:8.
🔳 Normal (3264)	3,264 × 2,448	
🔳 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 a computer monitor. The compression ratio is approximately 1:8.
🔳 TV screen (640)	640 × 480	Suited to full-screen display on a television, or distribution by e-mail or the web. The compression ratio is approximately 1:8.
🔳 16:9 (4352)	4,352 × 2,448	Pictures with an aspect ratio of 16:9 can be taken. The compression ratio is approximately 1:8.
🔳 16:9 (1920)	1,920 × 1,080	

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

🔍 **Image Mode**

Changes made to these settings apply to all shooting modes (except high-speed continuous mode and movie mode).

📝 **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. 42 MB)	Memory card[1] (256 MB)	Print size (printed at 300 dpi; cm/in.)[2]
🖼	High (4352★)	6	30	$37 \times 28/14.6 \times 11$
🖼	Normal (4352)	11	60	$37 \times 28/14.6 \times 11$
🔳	Normal (3264)	20	110	$28 \times 21/11 \times 8.3$
🔳	Normal (2592)	31	175	$22 \times 16.5/8.7 \times 6.5$
🔳	Normal (2048)	49	280	$17 \times 13/6.7 \times 5.1$
🖥	PC screen (1024)	171	960	$9 \times 7/3.5 \times 2.8$
📺	TV screen (640)	342	1925	$5 \times 4/2 \times 1.6$
🖼	16:9 (4352)	15	80	$37 \times 21/14.6 \times 8.3$
🖼	16:9 (1920)	74	415	$16 \times 9/6.3 \times 3.5$

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

[2] 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.

⊞ 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	Auto (default setting)
	White balance automatically adjusted to suit lighting conditions. Best choice in most situations.
PRE	Preset manual
	Neutral-colored object used as reference to set white balance under unusual lighting conditions. Please refer to "Preset Manual" for more information(🐦 98).
☀	Daylight
	White balance adjusted for direct sunlight.
☀	Incandescent
	Use under incandescent lighting.
🌣	Fluorescent
	Use under most types of fluorescent lighting.
☁	Cloudy
	Use when taking pictures under overcast skies.
⚡	Flash
	Use with the flash mode.

The selected option can be previewed in the monitor. At settings other than **Auto**, the icon for the current setting is displayed on the monitor (🐦 6).

Shooting, Playback and Setup Menus

✔ Flash Mode

At white-balance settings other than **Auto** or **Flash**, turn the flash off (🕀) (🐦 28).
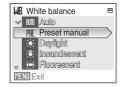
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Preset Manual

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 🛞.
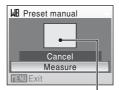
The camera zooms in.

WB White balance
- AUTO Auto
- PRE Preset manual
- ☀ Daylight
- ☀ Incandescent
- ☀ Fluorescent

MENU Exit

3 Choose **Measure**.

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

WB Preset manual

Cancel
Measure

MENU Exit

4 Frame the reference object.

WB Preset manual

Cancel
Measure

MENU Exit

Reference object frame

5 Press 🛞.

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 🛞 is pressed in step 5. Therefore, the camera cannot measure a value for preset manual for when the flash is used.

⊠ Metering

Choose how the camera meters exposure.

⊠ Matrix (default setting)

Camera sets exposure for entire frame. Recommended in most situations.
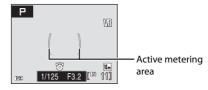
⊙ Center-weighted

Camera meters entire frame but assigns greatest weight to subject in center of frame. Classic meter for portraits; preserves background details while letting lighting conditions at center of frame determine exposure. Can be used with focus lock (🐾 25) to meter off-center subjects.

⚠ Note on Metering

While digital zooming is in effect, metering is set to center-weighted or spot.

🔍 Metering Area

The active metering area is displayed in the monitor when **Center-weighted** is selected.

Active metering area

C Continuous

Change settings to Continuous or BSS (best shot selector). Flash will be switched off for **Continuous**, **BSS** or **Multi-shot 16**, and focus, exposure and white balance are fixed at the values for the first picture in each series.

🄂	Single (default setting)

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

C	Continuous

While the shutter-release button is held down, up to 5 pictures are taken at a rate of about 1.4 frames per second (fps) when **Image mode** is set to 🄳 **Normal (4352)**.

BSS	BSS (Best Shot Selector)

The "best shot selector" is recommended when shooting with the flash off or the camera zoomed in, or in other situations in which inadvertent motion can result in blurred pictures. When BSS is on, the camera takes up to 10 pictures while the shutter-release button is held down. The sharpest picture in the series is automatically selected and saved.

🄳	Multi-shot 16

Each time shutter-release button is pressed, camera takes 16 shots at about 0.8 frames per second and arranges them in a single picture with **Image mode** setting 🄳 **Normal (4352)**. Digital zoom cannot be applied.
At an **ISO sensitivity** (🄳 101) setting of **6400** or **12800**, the **Multi-shot 16** option is not available.
When shooting with the **Multi-shot 16** option, select options other than **6400** or **12800** for **ISO sensitivity** and select **Multi-shot 16** for **Continuous**.

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

B 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.

B Note on BSS

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.

E 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 and the flash is off, the camera compensates by raising sensitivity to a maximum of ISO 1600. If the shooting mode is set to **M** (❄ 58), the sensitivity will be once set to ISO 100 even if the ISO sensitivity is set to **Auto**. After that, the ISO sensitivity can be changed manually.

High ISO sensitivity auto

> The ISO sensitivity is set automatically within the range of ISO 100 to 3200 according to the brightness of the subject.
> If the shooting mode is set to **M** (❄ 58), the sensitivity will be once set to ISO 100 even if the ISO sensitivity is set to **High ISO sensitivity auto**. After that, the ISO sensitivity can be changed manually.

100, 200, 400, 800, 1600, 3200, 6400, 12800

> Sensitivity will be locked at the specified value.

At the settings other than **Auto**, the current setting is displayed in the monitor (❄ 6). If **Auto** is selected and the sensitivity is raised above ISO 100, the ISO icon will be displayed (❄ 29). When **High ISO sensitivity auto** is selected, ISO is displayed.

B Notes on ISO 6400 and 12800

- When **6400** or **12800** is selected for **ISO sensitivity**, the image mode mark on the screen will be displayed in red during shooting.
- When **ISO sensitivity** is set to **6400** or **12800**, **Image mode** cannot be set to 4352×3264, 4352×3264, 3264×2448, 2592×1944, 4352×2448, or 1920×1080. At these image mode settings, selecting **6400** or **12800** for **ISO sensitivity** automatically switches the **Image mode** setting to 2048×1536. However, if the image mode is set to 1920×1080, the image mode will be changed to 1024×768. When any option other than **6400** or **12800** is next selected for **ISO sensitivity**, the original image mode setting is restored.
- At an **ISO sensitivity** setting of **6400** or **12800**, the **Multi-shot 16** option (❄ 100) of the continuous shooting mode is not available. At a **Continuous** setting of **Multi-shot 16**, selecting **6400** or **12800** for **ISO sensitivity** switches the **Continuous** setting to **Single**. The **Continuous** setting does not change even when **ISO sensitivity** is set to options other than **6400** or **12800**.

B Note after using the shooting mode M

When you take a picture in the **P**, **S** or **A** shooting mode after using the **M** shooting mode, check the **ISO sensitivity** in the shooting menu.

Shooting, Playback and Setup Menus

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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).
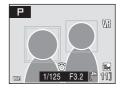
[⊞] AF Area Mode

Use this option to determine where the camera focuses. When digital zoom is in effect, focus will be on the center of the screen regardless of the settings used.

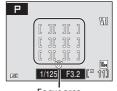### [📷] Face priority (default setting)

When the camera recognizes a face (front view), the camera will focus on that face. See "Face Priority" (🖎 104) for more information. If more than one face is recognized, focus will be on the face closest to the camera.

When shooting non-human subjects or when no faces are recognized, **AF area mode** will switch to **Auto**, and the camera will automatically select the focus area (one of nine) containing the subject closest to the camera.

[■] Auto

Camera automatically selects the focus area (one of nine) 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 in the monitor.
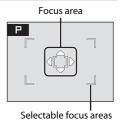

Focus area

[⊡] Manual

This option is suited to situations in which the intended subject is relatively still and not positioned in the center of the frame.
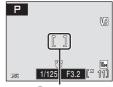
Press the rotary multi selector ▲, ▼, ◀ or ▶ to select from 99 focus areas in the frame. Pictures can be taken while focus-area selection screen is displayed.

To end focus-area selection and adjust the flash, macro, self-timer and exposure compensation settings, press ⑥. To return to the focus-area selection screen, press ⑥.

Focus area

Selectable focus areas

Shooting, Playback and Setup Menus

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[■] Center

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

Focus area

✿ More Information

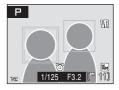See, "Autofocus" (🔁 25) for more information.

Face Priority

When the camera is pointed at a person's face, the camera automatically recognizes the face and focuses on it.

In the following cases, the face priority feature will take effect.

- When AF area mode is set to **Face priority** (default setting) (🔁 103)
- When Scene mode is set to **Portrait** (🔁 34) or **Night portrait** (🔁 35)
- When the scene auto selector mode is selected (🔁 44)
- When the smile mode is selected (🔁 46)

1 Frame a picture

When the camera recognizes a face (front view), that face will be framed by a yellow double border.

If more than one face is recognized, the operations will vary with the shooting modes as follows.

Shooting mode	Faces framed by a double border	The number of faces to be recognized
P, **S**, **A**, and **M** shooting modes (**Face priority**)	The face (positioned) closest to the camera. * The other faces are framed by a single border.	Up to 12
Scene mode: **Portrait**, **Night portrait**		
Scene auto selector mode		
Smile mode	The face closest to the center of the frame. * The other faces are framed by a single border.	Up to 3

Shooting, Playback and Setup Menus

2 Press the shutter-release button halfway

Focus will be on the face framed by the double border. The double border will glow green once focus has been locked.

When the camera is unable to focus, the double border will blink. Press the shutter-release button halfway and try focusing again.

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

You don't need to press the shutter-release button halfway in the smile mode. If the camera detects the smiling face, the shutter is automatically released (🐾 46).

M Notes about Face Priority

- In **Face priority**, if the shutter-release button is pressed halfway when no faces are recognized, AF area mode will be set to **Auto**.
- In the **Portrait**, **Night portrait** or **Smile mode** settings of scene mode, if the shutter-release button is pressed halfway when no faces are recognized, focus will be set on the center of the screen.
- The camera may be unable to detect faces in the following situations:
  - When faces are partially hidden by sunglasses or other obstructions
  - When faces take up too much or too little of the frame
  - When the subject is not looking directly at the camera
- The camera's ability to detect faces depends on a variety of factors, including whether or not the subject is facing the camera.
- In some rare cases shooting subjects with which autofocus may not perform as expected (🐾 25), the subject may not be in focus despite the fact that the double border glows green. Should this occur, switch to ⚫ (auto) mode or change the AF area mode setting to **Manual** or **Center** in **P**, **S**, **A**, and **M** modes, refocus on another subject positioned at the same distance from the camera as the actual portrait subject, and use focus lock (🐾 25).

D Autofocus mode

Choose how the camera focuses.

AF   Single AF (default setting)

Camera focuses when shutter-release button is pressed halfway.

AF   Full-time AF

Camera adjusts focus continuously until shutter-release button is pressed halfway.
Use with moving subjects.

Camera Settings that Cannot Be Set at the Same Time

Restrictions apply to the following settings in **P**, **S**, **A** and **M** modes.

Flash mode

Flash turns off at **Continuous** settings of **Continuous**, **BSS** or **Multi-shot 16**. Applied setting is restored when **Single** is selected.

Self-timer

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

Continuous

If **Continuous** setting is set to **Multi-shot 16**, **Image mode** will be set to 🖼 **Normal (4352)**.
If **Continuous** mode is restored to any setting other than **Multi-shot 16** the settings for **Image mode** will also be restored.

ISO sensitivity

When **ISO sensitivity** is set to **6400** or **12800**, **Image mode** cannot be set to 🖼 **4352×3264**, 🖼 **4352×3264**, 🖼 **3264×2448**, 🖼 **2592×1944**, 🖼 **4352×2448**, or 🖼 **1920×1080**. At these image mode settings, selecting **6400** or **12800** for **ISO sensitivity** automatically switches the **Image mode** setting to 🖼 **2048×1536**. However, if the image mode is set to 🖼**1920×1080**, the image mode will be changed to 🖫**1024×768**.
When any option other than **6400** or **12800** is next selected for **ISO sensitivity**, the original image mode setting is restored. At an **ISO sensitivity** setting of **6400** or **12800**, the **Multi-shot 16** option (🖾 100) of the continuous shooting mode is not available. At a **Continuous** setting of **Multi-shot 16**, selecting **6400** or **12800** for **ISO sensitivity** switches the **Continuous** setting to **Single**. The **Continuous** setting does not change even when **ISO sensitivity** is set to options other than **6400** or **12800**.

White balance

White balance is automatically set to **Auto** and cannot be adjusted when **Black-and-white**, **Sepia** or **Cyanotype** is selected for **Color options**.
Applied white balance setting is restored when **Standard color** or **Vivid color** is selected.
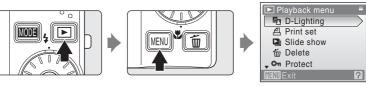
Playback Options: The Playback Menu

The playback menu contains the following options.

🖼	**D-Lighting**	🔲 64
	Enhances brightness and contrast in dark portions of pictures.	
🖶	**Print set**	🔲 91
	Select pictures to print and the number of copies for each.	
🖵	**Slide show**	🔲 110
	View pictures stored in the internal memory or on a memory card in an automatic slide show.	
🗑	**Delete**	🔲 111
	Delete all or selected pictures.	
🔒	**Protect**	🔲 111
	Protect selected pictures from accidental deletion.	
🔄	**Rotate image**	🔲 112
	Change the orientation of a picture.	
🖿	**Small pic.**	🔲 66
	Create a small copy of the current picture.	
🔢	**Copy**	🔲 113
	Copy files between memory card and internal memory.	

Displaying the Playback Menu

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

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

Shooting, Playback and Setup Menus

Selecting Multiple Pictures

The screen shown at right will be displayed in the menus (shown below) when choosing pictures.

Playback menu:

  Print set: **Select images** (🔢 91)
  Delete: **Erase selected images** (🔢 111)
  Protect (🔢 111),
  Rotate image (🔢 112),
  Picture Copy: **Selected images** (🔢 113)

Setup menu:

  Welcome screen (🔢 116)

Follow the procedure described below to choose the 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** (📇) to switch back to thumbnail display.

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

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

3 To fix the selection of pictures, press ⓘ.
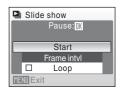
Shooting, Playback and Setup Menus

c 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 k.

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

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

c Slide show

Pause: k

Start
Frame intvl
☐ Loop

MENU Exit

2 The slide show begins.
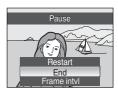
While the slide show is in progress, the following operations can be performed:

- Use the rotary multi selector during playback to display the previous or next picture.
- Press k to pause the slide show.

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

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

Pause

Restart
End
Frame intvl

B Notes on Slide Show

- Only the first frame of movies (A 74) included in slide shows is displayed.
- Even if **Loop** is selected, the monitor can continuously display the Slide Show for up to 30 minutes (A 127).

🗑 Delete

Delete selected pictures or all pictures.

Erase selected images

> Delete selected pictures (🏵 109).

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.

🔾 Protect

Protect selected pictures from accidental deletion. See "Selecting Multiple Pictures" (🏵 109) for more information on using this function. Note, however, that formatting the camera's internal memory or the memory card will permanently erase protected files (🏵 128).

Protected pictures are recognized by the 🔾 icon (🏵 7, 61) in playback mode.

⟳ Rotate Image

Set the picture orientation (vertical or horizontal frame) displayed on the camera monitor after the pictures are taken.

Pictures can be rotated 90° clockwise or counterclockwise.

Pictures that were recorded in the portrait (vertical) orientation can be rotated up to 180° in either direction.

When the image that can be rotated in the picture selection screen (🅑 109) is selected, the **Rotate image** screen appears. Rotate the rotary multi selector, or press the rotary multi selector ◀ or ▶ to rotate the image 90°.

Rotate 90°
counterclockwise

Rotate 90°
clockwise

Press Ⓚ to select the displayed direction and the vertical / horizontal position data will be recorded on the picture.

🗗 Copy

Copy pictures between the internal memory and a memory card.

1 Select an option from the copy screen using the rotary multi selector and press ⓘ.

🔳➡🗂: Copy pictures from internal memory to memory card.

🗂➡🔳: Copy pictures from memory card to internal memory.

🗗 Copy

🔳 ➡ 🗂
🗂 ➡ 🔳

MENU Exit

2 Choose the copy option and press ⓘ.

Selected images: Copy pictures selected from the picture selection screen (❻ 109).

All images: Copy all pictures.

🗗 Camera to card
Selected images
All images

MENU Exit

⚠ 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 (❻ 67) are attached to pictures selected for copying, voice memos are copied with the pictures.
- Sound files recorded using Voice Recording (❻ 75) can be copied using the **Copy sound files** option (❻ 79) in sound file playback mode.
- Pictures taken with another make of camera or that have been modified on a computer cannot be copied.
- Edited copies have the same protection marking (❻ 111) as the original, but are not marked for printing (❻ 91).

✐ 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" (❻ 134) for more information.

Shooting, Playback and Setup Menus

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Basic Camera Setup: The Setup Menu

The setup menu contains the following options.

🏛	**Menus**	📖 115
	Choose how menus are displayed.	
📺	**Welcome screen**	📖 116
	Select screen displayed when camera is turned on.	
⏰	**Date**	📖 117
	Set camera clock and choose home and destination time zones.	
⬛	**Monitor settings**	📖 120
	Adjust monitor brightness and choose display style.	
📅	**Date imprint**	📖 121
	Imprint date or date counter on pictures.	
📳	**Vibration reduction**	📖 123
	Adjust vibration reduction settings for shooting.	
🏃	**Motion detection**	📖 124
	Set "motion detection," which reduces camera shaking and subject blurring in shooting still pictures.	
⧖🄳	**AF assist**	📖 124
	Enable or disable AF-assist illumination.	
▣	**Digital zoom**	📖 125
	Adjust settings for using digital zoom.	
🔊	**Sound settings**	📖 125
	Adjust sound and volume settings.	
🎴	**Record orientation**	📖 126
	Choose whether or not to record the orientation of a picture taken.	
⏱	**Auto off**	📖 127
	Set time before camera enters standby mode.	
🏠/🗂	**Format memory/Format card**	📖 128
	Format internal memory or memory card.	
🌐	**Language**	📖 129
	Choose the language used for camera monitor display.	
🎬	**Video mode**	📖 129
	Adjust settings necessary for connection to television.	
🔄	**Reset all**	📖 130
	Restore camera settings to default values.	
Ver.	**Firmware version**	📖 132
	Display camera firmware version.	

Shooting, Playback and Setup Menus

Displaying the Setup Menu

First, display the playback-mode or shooting-mode selection menu by pressing **MODE**. Then select 🔧 (use the rotary multi selector), and press 🆗.
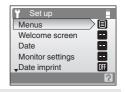
- Use the rotary multi selector to choose and apply settings (❖ 9).
- To exit the setup menu, press the **MODE** button and select another mode.

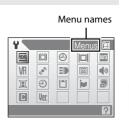## 📷 Menus

Choose the initial menus displayed.

Text (default setting)

Menus are displayed in list format.

Icons

All menu items can be displayed in a single page.

Menu names

c Welcome Screen

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

None (default setting)

No welcome screen will be 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 and press k.
As the selected image is stored in the camera, the image will appear in the welcome screen even if the original picture is deleted.
Pictures which are set as **16:9 (4352)** or **16:9 (1920)** on **Image mode** setting (A 95) and images smaller than 320×240 edited by the crop (A 65) or small picture (A 66) function are not selectable.

⏱ Date

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

Date

Set camera clock to current date and time.

The operation of each option displayed is as follows.

- ◀▶: Move through the items (day, month, year, hour, minute and the order of the date).
- ▲▼: Adjusts the content of the selected item.
- 🆗: Activates the setting.

Time zone

Set the home (🏠) time zone (district) or daylight saving time. When ✈ (destination time zone) is selected, the time difference (🖐 119) is automatically calculated and the date and time in the selected region are recorded. Useful when travelling.

Setting Travel Destination Time Zone
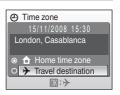
1 Use the rotary multi selector to choose **Time zone** and press 🆗.

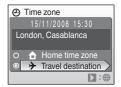The time zone menu is displayed.

⏱ Date

15/11/2008 15:30

Date ---
Time zone 🏠

2 Choose ✈ and press 🆗.

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

⏱ Time zone
15/11/2008 15:30
London, Casablanca

◉ 🏠 Home time zone
○ ✈ Travel destination
🆗:✈

Shooting, Playback and Setup Menus

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3 Press ▶.

The home time zone display appears.

> 🕐 Time zone
> 15/11/2008 15:30
> London, Casablanca
> ○ 🏠 Home time zone
> ◉ ➔ Travel destination
> ▶ : ⊕

4 Rotate the rotary multi selector, or press ◀ or ▶ to choose the travel destination time zone (city name).

> ➔ 11:30 ⚙️ -04:00
> EDT
> New York
> ◀Toronto▶
> Lima
> MENU Back ⊕·⚙️

To use the camera in an area where daylight saving time is in effect, press ▲ to display the ⚙️ mark on the top of the monitor and set the daylight saving time. When the daylight saving time goes into effect, the time is automatically advanced one hour. To release the daylight saving time setting, press ▼.

Press ⓴ to enter the travel destination.

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

❎ The Clock Battery

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

✐ 🏠 (Home Time Zone)

- To switch to the home time zone, choose 🏠 in step 2 and press ⓴.
- To change the home time zone, choose 🏠 in step 2 and perform steps 3 and 4, to set the home time zone.

✐ Daylight Saving Time

When the summer saving time begins or ends, turn the daylight saving time option on or off using the home time zone display in Step 4.

Shooting, Playback and Setup Menus

🖉 Time Zones (🐾 16)

The camera supports the time zones listed below. For time differences not listed below, set the camera clock to local time.

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, Sao 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, 7) for information on indicators in the monitor.

	Shooting mode	Playback mode
Show info		
Auto info (default setting)	After the same information as in **Show info** above is displayed for a few seconds, display will be the same as **Hide info**.	
Hide info		
Framing grid	When the shooting mode is set to ◘ (auto) mode, **P**, **S**, **A** and **M**, a framing grid is displayed to help frame pictures; other current settings or operation guide is displayed for a few seconds, as in **Auto info** above. In other shooting modes, the current settings or operation guide is displayed, as in **Auto info** above.	The current settings or operation guide is displayed, as in **Auto info** above.

Shooting, Playback and Setup Menus

📅 Date Imprint

Date and time are imprinted on pictures. Date can be printed from printers that do not support the date imprinting (❤ 92).

Off (default setting)

Date and time are not imprinted on pictures.

Date

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

Date and time

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

Date counter

Time stamp shows number of days between date of recording and selected date (❤ 122).

At settings other than **Off**, the icon for the current setting is displayed in the monitor (❤ 6).
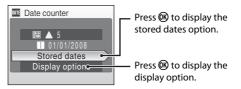
🅥 Date Imprint

- Imprinted dates form a permanent part of image data and cannot be deleted.
- Date imprint is disabled in the following situations.
  - When the scene mode is set to **Sports** or **Panorama assist**.
  - When the high-speed continuous mode is selected.
  - When the continuous mode is set to **Continuous**.
  - When movies are being recorded.
- Dates imprinted at an **Image mode** setting (❤ 95) of **TV screen (640)** may be difficult to read. Choose **PC screen (1024)** or larger when using date imprint.
- The date is recorded using the format selected in the setup menu's **Date** item (❤ 16, 117).

🖉 Date Imprint and Print Set

When pictures are printed from DPOF-compatible printers that can print date and photo information, you can use **Print Set** (❤ 91) and print the shooting date and photo information on the pictures. In such a case, it is unnecessary to imprint date and time on pictures beforehand using **Date Imprint**.

Date Counter

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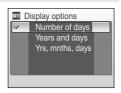

Press ⊛ to display the stored dates option.

Press ⊛ to display the display option.

Stored dates

Up to three dates can be stored. To set, choose an option, press the rotary multi selector ▶, enter a **Date** (🐷 17), and press ⊛. To select a different date, choose an option and press ⊛.

Display options

Choose **Number of days**, **Years and days**, or **Yrs, mnths, days** and press ⊛.

Sample date counter time stamps are shown below.

Two days remaining

Two days elapsed

ⅤⅡ Vibration reduction

Vibration reduction effectively corrects blur that commonly occurs when shooting with zooming or at slow shutter speeds. Vibration reduction can be used in all shooting modes.

Turn vibration reduction **off** when using a tripod to stabilize the camera during shooting.

On (default setting)

Vibration reduction is enabled during shooting.

Off

Electronic vibration reduction is not enabled.

The vibration reduction setting can be confirmed on the monitor during shooting (See "The vibration reduction / motion detection icon" (🏅 21)).

⚠ 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 on the camera's monitor immediately after shooting may appear blurry.
- Vibration reduction may be unable to completely eliminate the effects of camera shaking in some situations.
- "VR" stands for vibration reduction.

⚙ Motion detection

Set motion detection which automatically increases the shutter speed in shooting still pictures to reduce the camera and subject blurs.

Auto (default setting)

> When camera detects the movement of the subject or camera shake, the shutter speed will be increased for reducing the blur.
> However, motion detection is not active when the flash fires.
> In addition, motion detection is set to **Off** in the following shooting modes regardless of the setting.
> - When the scene mode is set to **Night portrait** (❊ 35), **Fireworks show** (❊ 38) or **Backlight** (❊ 39)
> - When the shooting mode is set to High-speed continuous mode (❊ 48).
> - When the shooting mode is set to **P**, **S**, **A** and **M** (❊ 50)

Off

> Motion detection is not enabled.

The motion detection setting can be confirmed on the monitor during shooting (See "The vibration reduction / motion detection icon" (❊ 21)).

⚠ Notes on Motion detection

- Motion detection may not be able to completely reduce the camera and subject blurs in some situations.
- If the subject is extremely blurred, too dark, the Motion detection won't start.
- The pictures taken may become somewhat grainy.

⊟❙ AF Assist

Change settings for AF-assist illumination.

Auto (default setting)

> AF-assist illumination will be used to assist the focus operation when the subject is poorly lit. The illuminator has a range of about 1.9 m (6 ft. 2 in.) at the maximum wide-angle position and 1.1 m (3 ft. 7 in.) at the maximum telescopic position. However, the AF-assist illumination will not turn on in some scene modes even if **AUTO** is selected (❊ 34-38).

Off

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

回 Digital Zoom

Adjust settings for using digital zoom.

On (default setting)

Digital zoom (🔲 23) will be activated when the **T** (**Q**) is pressed when the optical zoom has been magnified to its maximum rate.

Off

Digital Zoom will not be activated (Except when shooting a movie).

M Notes on Digital Zoom

- When digital zoom is in effect, **AF area mode** is set to **Center** (🔲 103).
- Digital zoom cannot be used in the following situations.
  - When the scene mode is set to **Portrait** (🔲 34) or **Night portrait** (🔲 35).
  - When the scene auto selector mode (🔲 44) is selected.
  - When the smile mode (🔲 46) is selected.
  - When the high-speed continuous mode (🔲 48) is selected.
  - When **Continuous** mode is set to **Multi-shot 16** (🔲 100).
  - Just before recording a movie (🔲 71).

🔊 Sound Settings

Adjust the following sound settings.

Button sound

Turn the button sound **On** or **Off**. When **On** (default setting) is selected, a beep will sound once when operations are completed successfully, two times when the focus has been locked, and three times when an error is detected, and welcome sound is played when the camera is turned on.

Shutter sound

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

Shooting, Playback and Setup Menus

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f 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 (🖼 112).

B 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**

When the camera is on and a period of time passes without any operations, the camera will enter the standby mode (🐾 15) to save power. Once in standby mode, the power lamp will blink, and if no operations are performed for three minutes the camera turns off. The time taken to enter standby mode can be set to **30 s**, **1 min** (default setting), **5 min**, or **30 min**.

🖉 **Notes on Auto Off**

The time allowed to elapse before the camera enters standby mode is fixed in the following cases:

- While menus are displayed: 3 minutes
- While slide show is in progress: Up to 30 minutes
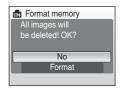- While the AC adapter is connected: 30 minutes

M Format Memory/[Format Card

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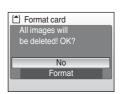
Formatting the Internal Memory

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

The **Format memory** option appears in the setup menu.

M Format memory

All images will
be deleted! OK?

No

Format

Formatting a Memory Card

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

[Format card

All images will
be deleted! OK?

No

Format

V 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 the COOLPIX S710, be sure to format them using this camera.

i Language

Choose one of 24 languages for display of camera menus and messages.

Čeština	Czech	**Polski**	Polish
Dansk	Danish	**Português**	Portuguese
Deutsch	German	**Русский**	Russian
English	(default setting)	**Suomi**	Finnish
Español	Spanish	**Svenska**	Swedish
Ελληνικά	Greek	**Türkçe**	Turkish
Français	French	**عربي**	Arabic
Indonesia	Indonesian	**中文简体**	Simplified Chinese
Italiano	Italian	**中文繁體**	Traditional Chinese
Magyar	Hungarian	**日本語**	Japanese
Nederlands	Dutch	**한글**	Korean
Norsk	Norwegian	**ภาษาไทย**	Thai

D Video Mode

Adjust settings for connection to a television. Choose from **NTSC** and **PAL**.

Shooting, Playback and Setup Menus

🔄 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 (🔲 28)	Auto
Self-timer (🔲 30)	Off
Macro mode (🔲 31)	Off
Exposure compensation (🔲 32)	0.0

Scene Mode

Option	Default value
Scene menu (🔲 33)	Portrait

High-speed continuous mode

Option	Default value
High-speed continuous menu (🔲 48)	Continuous H

Movie Menu

Option	Default value
Movie options (🔲 72)	TV movie 640★
Autofocus mode (🔲 73)	Single AF

Shooting Menu

Option	Default value
Image mode (🔲 95)	🅜 Normal (4352)
White balance (🔲 97)	Auto
Metering (🔲 99)	Matrix
Continuous (🔲 100)	Single
ISO sensitivity (🔲 101)	Auto
Color options (🔲 102)	Standard color
AF area mode (🔲 103)	Face Priority
Autofocus mode (🔲 106)	Single AF

Setup Menu

Option	Default value
Menus (🖐 115)	Text
Welcome screen (🖐 116)	Disable welcome
Photo info (🖐 120)	Auto info
Brightness (🖐 120)	3
Date imprint (🖐 121)	Off
Vibration reduction (🖐 123)	On
Motion detection (🖐 124)	Auto
AF assist (🖐 124)	Auto
Digital zoom (🖐 125)	On
Button sound (🖐 125)	On
Shutter sound (🖐 125)	On
Record orientation (🖐 126)	Auto
Auto off (🖐 127)	1 min

Others

Option	Default value
Paper size (🖐 87, 88)	Default
Slide show (🖐 110)	3 s

- Choosing **Reset all** also clears the current file number (🖐 134) from the memory. Numbering will continue from the lowest number available. To reset file numbering to "0001", delete all pictures (🖐 111) before selecting **Reset all**.

- The following settings in the menus will remain unaffected even if **Reset all** is performed.
  Shooting menu: Preset manual in the **White balance** menu (🖐 98)
  Setup menu: settings for picture registered for **Welcome screen** (🖐 116), **Date** (🖐 117), **Date counter** (🖐 122), **Language** (🖐 129), and **Video mode** (🖐 129)

$\underline{\text{Ver}}$ Firmware Version

View the current camera firmware version.

COOLPIX S710 Ver. X.X

Back | Nikon

Firmware version

Optional Accessories

Rechargeable battery	Rechargeable Li-ion Battery EN-EL12
Battery charger	Battery Charger MH-65
AC adapter	AC Adapter EH-62F <How to attach EH-62F> Insert the AC adapter cord into the groove deeply in the battery chamber before closing the battery chamber/memory card slot cover. If part of the cord runs out of the groove, the cover or cord may be damaged when the cover is closed.
USB Cable	USB Cable UC-E6
AV Cable	Audio/Video Cable EG-CP14

Approved Memory Cards

The following Secure Digital (SD) 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], 8 GB[2]
TOSHIBA	128 MB, 256 MB, 512 MB, 1 GB, 2 GB[1], 4 GB[2], 8 GB[2]
Panasonic	128 MB, 256 MB, 512 MB, 1 GB, 2 GB[1], 4 GB[2], 8 GB[2]

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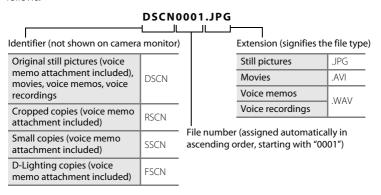
[2] SDHC compliant. If the memory card will be used with a card reader or similar device, check that device supports SDHC.

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.

DSCN0001.JPG

Identifier (not shown on camera monitor)

Original still pictures (voice memo attachment included), movies, voice memos, voice recordings	DSCN
Cropped copies (voice memo attachment included)	RSCN
Small copies (voice memo attachment included)	SSCN
D-Lighting copies (voice memo attachment included)	FSCN

Extension (signifies the file type)

Still pictures	.JPG
Movies	.AVI
Voice memos	.WAV
Voice recordings	

File number (assigned automatically in ascending order, starting with "0001")

- Files are stored in folders named with a folder number followed by a five-character identifier: "P_" plus a three-digit sequence number for pictures taken using panorama assist (e.g. "101P_001"; 🐾 42), "SOUND" for voice recordings (e.g. "101SOUND"; 🐾 75), and "NIKON" for all other pictures (e.g. "100NIKON"). When the number of files within a folder reaches 9999, a new folder will be created. File numbers will be assigned automatically starting with "0001".
- Files copied using **Copy** > **Selected images** or **Copy sound files** > **Selected files** are copied to the current folder, where they are assigned new file numbers in ascending order starting from the largest file number in memory. **Copy** > **All images** and **Copy sound files** > **Copy all files** copy all folders from the source medium; file names do not change but new folder numbers are assigned in ascending order, starting from the largest folder number on the destination medium (🐾 79, 113).
- Folders can hold up to 200 pictures; if a picture is taken when the current folder contains 200 pictures, a new folder will be created by adding one to the current folder number. If a picture is taken when the current folder is numbered 999 and contains 200 pictures or a picture numbered 9999, no further pictures can be taken until the medium is formatted (🐾 128) or a new memory card inserted.

Technical Notes

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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 Battery**

- Check the battery level when taking the camera out, and charge the battery if necessary. 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 ℃ (32 ℉) or above 40 ℃ (104 ℉). Failure to observe this precaution could damage the battery or impair its performance.

- Charge indoors at an ambient temperature between 5 and 35℃ (41 to 95℉). When the battery temperature is between 0 and 10℃ (32 to 50℉) or 45 to 60℃ (113 to 140℉), the chargeable capacity may decrease. The battery will not charge if its temperature is below 0 ℃ (32 ℉) or above 60 ℃ (140 ℉).

- If an exhausted battery is used at a low temperature, the camera may not turn on. Be sure that the battery is fully charged and spare batteries are prepared 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 that could not be used temporarily due to lowered performance may recover some of its charge.

- Should the battery terminals become dirty, the camera may not turn on due to poor contact. Wipe the terminals off with a clean, dry cloth before use.

- If the battery will not be used for some time, insert it in the camera and run it flat before removing it for storage. Attach the included terminal cover to the battery and store it in a cool location with an ambient temperature of 15 to 25 ℃ (59 to 77 ℉). Do not store the battery in hot or extremely cold locations.

- While the battery is in storage, charge it at least once every six months and then use the camera to run it flat again before storing it in a cool location.

- Always remove the battery from the camera or battery charger when it is not being used. Left installed, minute amounts of current flow even when unused, and the battery may become excessively drained and no longer function.

- A marked drop in the time a fully-charged battery retains its charge, when used at room temperature, indicates that the battery needs to be replaced. Purchase a new EN-EL12 battery.

- 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 naptha 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.

C **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.

C **Notes on Smear**

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 indicate a malfunction.

In shooting modes other than high-speed continuous or movie, smear has no effect on the images that are recorded.

When using the high-speed continuous shooting and movie modes, however, we recommend that you avoid shooting bright objects.

Error Messages

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

Display	Problem	Solution	
⦿ (blinks)	Clock not set.	Set clock.	117
⧗	Battery running low.	Prepare to charge or change battery.	12
❶ Battery exhausted.	Battery exhausted.	Charge or change battery.	12
ⓘ Battery temperature high	Battery temperature is high.	Turn off camera, and allow battery to cool down before resuming use. After 5 seconds, this message will disappear, the monitor will turn off, and the flash lamp will blink rapidly. After the lamps blink for 3 minutes, the camera will turn off automatically, but you can also press the power switch to turn it off manually.	15
ⅢF● (● blinks red)	Camera cannot focus.	• Refocus. • Use focus lock.	24, 25 25
ⓘ Please wait for the camera to finish recording.	Camera cannot perform other operations until recording is complete.	Wait until message clears from display automatically when recording is complete.	25
❶ Memory card is write protected.	Write-protect switch is in "lock" position.	Slide write-protect switch to "write" position.	19
ⓘ This card cannot be used.	Error accessing memory card.	• Use approved card. • Check that connectors are clean. • Confirm that memory card is correctly inserted.	133 18 18
ⓘ This card cannot be read.			
ⓘ Card is not formatted. Format card? No Yes	Memory card has not been formatted for use in COOLPIX S710.	Choose **Yes** and press ⓦ to format card.	19

Display	Problem	Solution	❄
ⓘ Out of memory.	Memory card is full.	• Choose smaller image mode. • Delete pictures or sound files. • Insert new memory card. • Remove memory card and use internal memory.	95 26, 74, 78 18 19
ⓘ Image cannot be saved.	Error occurred while recording picture.	Format internal memory or memory card.	128
	Camera has run out of file numbers.	• Insert new memory card. • Format internal memory or memory card.	18 128
	Picture cannot be used for welcome screen.	Pictures which are set as 🔲 **(4352)** or 🔲 **(1920)** on **Image mode** setting and images smaller than 320 × 240 edited by the crop or small picture function are not selectable.	65, 66, 95
	Cannot copy picture.	Delete pictures from destination.	111
ⓘ Sound file cannot be saved.	Camera has run out of file numbers.	• Insert new memory card. • Format internal memory or memory card.	18 128
ⓘ Image cannot be modified.	Cannot edit selected picture.	Select picture that supports D-Lighting, crop or small picture.	63
ⓘ Cannot record movie.	Time out error while recording movie.	Choose memory card with faster write speed.	133
ⓘ Memory contains no images.	No pictures in the internal memory or memory card.	To copy picture file from internal memory to memory card, press **MENU**. The copy option screen will be displayed.	113
ⓘ No sound file.	The source does not contain a sound file.	Check the source media and its destination.	79

Display	Problem	Solution	❧
❶ File contains no image data.	File not created with COOLPIX S710.	View file on computer or other device.	–
ⓘ This file cannot be played back.			
❶ All images are hidden.	Date and time are not set for pictures to be displayed in list by date mode.	–	–
❶ This image cannot be deleted.	Picture is protected.	Disable protection.	111
❶ Travel destination is in the current time zone.	Destination in same time zone as home.	–	117
Lens error ❶	Lens error.	Turn camera off and then on again. If error persists, contact retailer or Nikon-authorized service representative.	20
ⓘ Communications error	USB cable disconnected during printing.	Turn camera off, reconnect USB cable.	86
System error ❶	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-authorized service representative.	14, 20
ⓘ⚠ 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.*	–

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Display	Problem	Solution	ⓧ
ⓘ𝒦 Printer error: out of paper	No paper is loaded in printer.	Load the specified paper, select **Resume** and press ⓞ to resume printing.*	–
ⓘ𝒦 Printer error: check ink	Ink error.	Check ink, select **Resume** and press ⓞ to resume printing.*	–
ⓘ𝒦 Printer error: out of ink	Ink cartridge is empty.	Replace ink, select **Resume** and press ⓞ to resume printing.*	–
ⓘ𝒦 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-authorized service representative. Refer to the page numbers in the right-most column for more information.

Display, Settings and Power Supply

Problem	Cause/Solution	❡
Monitor is blank	• Camera is off. • Battery is exhausted. • Standby mode for saving power: press the shutter-release button halfway. • When flash lamp blinks red, wait until flash has charged. • Camera and computer are connected via USB cable. • Camera and TV are connected via AV cable.	20 20 15, 24 29 82 80
Monitor is hard to read	• Adjust monitor brightness. • Monitor is dirty. Clean monitor. • Monitor has dimmed to save power. Monitor brightens when controls are used.	120 137 15
Camera turns off without warning	• Battery is low. • Camera has turned off automatically to save power. • Battery is cold.	20 127 136
Date and time of recording are not correct	• Pictures recorded before clock was 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." • Check camera clock regularly against more accurate timepieces and reset as required.	16 117
No indicators displayed in monitor	**Hide info** is selected for **Photo info**. Select **Show info**.	120
Date imprint not available	Camera clock has not been set.	16, 117
Date not appearing on pictures even when **Date imprint** is enabled	Date does not appear on movies or on pictures taken using 🏃, 🏁, 🔲 or when the **Continuous** is set to **Continuous**.	35, 39, 48, 71, 100
Camera settings reset	Backup battery is exhausted; all settings were restored to their default values.	118

Technical Notes

Problem	Cause/Solution	❄
Monitor turns off, and the power-on lamp and flash lamp blink rapidly	Battery temperature is high. Turn off camera, and allow battery to cool down before resuming use. After 5 seconds, this message will disappear, the monitor will turn off, and the power-on lamp and flash lamp will blink rapidly. After the lamps blink for 3 minutes, the camera will turn off automatically, but you can also press the power switch to turn it off manually.	15

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, then turn the camera on again. In the event of continued malfunction, contact your retailer or Nikon-authorized service 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 ▶ or the shutter-release button.	26
	• When menus are displayed, press **MENU**.	10
	• Battery is exhausted.	20
	• When flash lamp blinks, flash is charging.	29
Camera cannot focus.	• The intended subject is one with which autofocus does not perform well.	25
	• Set **AF assist** in the setup menu to **Auto**.	124
	• Focus error. Turn camera off and then on again.	20
Pictures are blurred.	• Use flash.	28
	• Use Vibration reduction, Motion detection.	123, 124
	• Use **BSS** (Best Shot Selector).	100
	• Use tripod and self-timer.	30
Bright specks appear in pictures taken with flash.	Flash is reflecting off particles in air. Turn flash off.	28
Flash does not fire.	• Flash is off.	28
	• Some scene modes that cannot turn on flash are selected.	33
	• The high-speed continuous mode is selected.	48
	• 🎬 mode is selected.	71
	• **Continuous**, **Multi-shot 16** or **BSS** is selected for **Continuous**.	100
Optical zoom cannot be used.	Optical zoom cannot be used while recording movies.	71
Digital zoom cannot be used.	**Digital zoom** is set to **Off** in the setup menu. Digital zoom is not available in the following situations.	125
	• When the scene auto selector is selected.	44
	• When **Portrait** or **Night portrait** selected for Scene mode.	34, 35
	• When the smile mode is selected.	46
	• When the high-speed continuous mode is selected.	48
	• Just before recording a movie (up to 2× can be applied while recording movies).	71
	• When **Multi-shot 16** is selected for **Continuous**.	100

Problem	Cause/Solution	🐾
Image mode not available.	• **Image mode** cannot be adjusted when **Multi-shot 16** is selected for **Continuous**.	100
	• **Image mode** cannot be set in the high-speed continuous mode.	48
	• When **ISO sensitivity** is set to **6400** or **12800**, ⬚ **4352×3264**, ⬚ **4352×3264**, ⬚ **3264×2448**, ⬚ **2592×1944**, ⬚ **4352×2448**, and ⬚ **1920×1080** cannot be selected for Image mode.	101
No sound when shutter is released.	• **Off** is selected for **Sound settings** > **Shutter sound** in setup menu.	125
	• **Continuous** or **Multi-shot 16** or **BSS** is selected for **Continuous** in shooting menu.	100
	• The high-speed continuous mode is selected.	48
	• 🏃 (**Sports** scene mode) or 🏛 (**Museum** scene mode) is selected.	35, 38
	• 🎬 mode is selected.	71
	• Do not block the speaker.	5
AF-assist illuminator does not light.	• **Off** is selected for AF assist option in camera setup menu.	124
	• AF-assist illuminator turns off automatically in some modes.	34-39
	• The AF-assist illuminator cannot be used in the high-speed continuous mode.	48
Pictures appear smeared.	Lens is dirty. Clean lens.	137
Colors are unnatural.	White balance does not match light source.	97
Randomly spaced bright pixels ("noise") appear in image.	The subject is dark, so shutter speed is too slow or ISO sensitivity is too high. Noise can be reduced by: • Using flash. • Specifying a lower ISO sensitivity setting.	28 101
Pictures are too dark (underexposed).	• Flash is off. • Flash window is blocked. • Subject is beyond flash range. • Adjust exposure compensation. • Raise the ISO sensitivity. • Subject is backlit. Select 🌄 (**Backlight** scene mode) or use fill flash.	28 22 28 32 101 28, 39
Pictures are too bright (overexposed).	Adjust exposure compensation.	32

Technical Notes

Problem	Cause/Solution	☝
Unexpected results when flash set to ✦◉ (auto with red-eye reduction).	If taking pictures with ✦◉ (auto with red-eye reduction) or fill flash with slow sync and red-eye reduction when scene mode is set to **Night portrait** or scene auto selector, In-Camera Red Eye Fix may be applied to areas not affected by red-eye. Use any scene mode other than **Night portrait**, and change the flash to any other settings other than ✦◉ (auto with red-eye reduction) and try shooting again.	28, 35, 44

Playback

Problem	Cause/Solution	☝
File cannot be played back.	File was overwritten or renamed by computer or other make 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 attached to images taken with other cameras. Voice memos that are attached to the image using other cameras cannot be played back on this camera.	74 67
Cannot use D-Lighting, crop, or small picture options.	• These options cannot be used with movies. • These options cannot be used with pictures taken when 🖼 **(4352)** or 🖼 **(1920)** is applied in the **Image mode** setting. • Select picture that supports D-Lighting, crop, or small picture. • Camera is unable to edit pictures taken with other cameras. • Pictures edited by this camera may not be displayed correctly in other cameras and cannot be transferred to computers from there.	74 95 63 63 63
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.	129 18

Technical Notes

Problem	Cause/Solution	
Nikon Transfer does not start when camera is connected.	• Camera is off. • Battery is exhausted. • USB cable is not correctly connected. • If the computer OS used is Windows 2000 Professional, the camera will not be able to connect. • Camera is not recognized by the computer. • Computer is not set to launch Nikon Transfer automatically. For more information about Nikon Transfer, refer to help information contained in Nikon Transfer.	20 20 82 81 – –
Pictures to be printed are not displayed.	Memory card contains no pictures. Replace memory card. Remove memory card to print pictures from internal memory.	18
Cannot select paper size with camera.	Paper size cannot be selected from the camera if the printer does not support the paper sizes used by the camera, or the printer automatically selects the paper size. Use the printer to select paper size.	87, 88

Technical Notes

Specifications

Nikon COOLPIX S710 Digital Camera

Type	Compact digital camera
Effective pixels	14.5 million
Image sensor	$^1/_{1.72}$-in. CCD; total pixels: 15.00 million
Lens	3.6× optical zoom, NIKKOR lens
Focal length	6-21.6mm (equivalent with 35mm [135] format picture angle: 28-101mm)
f/-number	f/2.8-5.6
Construction	7 elements in 6 groups
Digital zoom	Up to 4× (equivalent with 35mm [135] format picture angle: approx. 404mm)
Vibration reduction	Lens shift
Autofocus (AF)	Contrast-detect AF
Focus range (from lens)	• Approx. 50 cm (1 ft. 8 in.) to ∞ (W); approx. 80 cm (2 ft. 8 in.) to ∞ (T) • Macro mode: 10 cm (4 in.) (wide-angle zoom position) to ∞
Focus-area selection	Auto (9-area automatic selection), center, manual with 99 focus areas, face priority
Monitor	Wide viewing-angle 3-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 (Compared to actual picture)
Frame coverage (playback mode)	Approx. 100 % horizontal and 100 % vertical (Compared to actual picture)
Storage	
Media	• Internal memory (approx. 42 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)	• 4,352 × 3,264 [High (4352★)/Normal (4352)] • 3,264 × 2,448 [Normal (3264)] • 2,592 × 1,944 [Normal (2592)] • 2,048 × 1,536 [Normal (2048)] • 1,024 × 768 [PC screen (1024)] • 640 × 480 [TV screen (640)] • 4,352 × 2,448 [16:9 (4352)] • 1,920 × 1,080 [16:9 (1920)]

ISO sensitivity (Standard output sensitivity)		ISO 100, 200, 400, 800, 1600, 3200, 6400, 12800, Auto (auto gain from ISO 100 to 1600), High ISO sensitivity auto (ISO 100 to 3200)
Exposure		
	Metering	96-segment matrix, center-weighted, spot (digital zoom 2× or more)
	Exposure control	Programmed auto exposure with flexible program, shutter-priority auto, aperture-priority auto, manual, exposure compensation (–2.0 to +2.0 EV in steps of $^1/3$ EV)
	Range (ISO 100)	[W]: –1 to +16.4 EV [T]: 1 to 16 EV
Shutter		Mechanical and charge-coupled electronic shutter
	Speed	$^1/2000$ - 8 s, $^1/4000$ - $^1/15$ s (High-speed continuous)
Aperture		Electronically-controlled 6-blade iris diaphragm
	Range	7 steps (f/2.8-4 : 1/3 EV and f/4-6.7 : 1/2 EV [W])
Self-timer		Can be selected from 10 and 2 second duration
Built-in flash		
	Range (ISO sensitivity: [Auto])	[W]: Approx. 0.5 to 8.5 m (1 ft. 8 in. to 27 ft.) [T]: Approx. 0.8 to 4.3 m (2 ft. 8 in. to 14 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		Audio video output/digital I/O (USB)
Supported languages		Arabic, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, Greek, German, Hungarian, Indonesian, Italian, Japanese, Korean, Polish, Portuguese, Norwegian, Russian, Spanish, Swedish, Thai, Turkish
Power sources		One Rechargeable Li-ion Battery EN-EL12 (supplied) AC Adapter EH-62F (sold separately)
Battery life*		Approx. 250 shots (EN-EL12)
Dimensions (W × H × D)		Approx. 92.5 × 57.5 × 24 mm (3.7 × 2.3 × 1.0 in.) (excluding projections)
Weight		Approx. 155 g (5.5 oz) (without battery and SD memory card)
Operating environment		
	Temperature	0 to 40 °C (32 to 104 °F)
	Humidity	Less than 85 % (no condensation)

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* 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 (4352)**. Battery life may vary depending on shooting interval and length of time menus and images are displayed.
* Unless otherwise stated, all figures are for a camera with a fully-charged Rechargeable Li-ion Battery EN-EL12 operated at an ambient temperature of 25 °C (77 °F).

Rechargeable Li-ion Battery EN-EL12

Type	Rechargeable lithium-ion battery
Rated capacity	DC 3.7 V, 1,050 mAh
Operating temperature	0 to 40 °C (32 to 104 °F)
Dimensions (W × H × D)	Approx. 32 × 43.8 × 7.9 mm (1.3 × 1.8 × 0.3 in.) (excluding projections)
Weight	Approx. 22.5 g (0.8 oz) (excluding pin cover)

Battery Charger MH-65

Rated input	AC 100 to 240 V, 50/60 Hz, 0.08 to 0.05 A
Rated capacity	8 ~ 12 VA
Rated output	DC 4.2 V, 0.7 A
Applicable batteries	Nikon Rechargeable Li-ion Battery EN-EL12
Charging time	Approx. 150 minutes when no charge remains
Operating temperature	0 to 40 °C (32 to 104 °F)
Dimensions (W × H × D)	Approx. 58 × 27.5 × 80 mm (2.3 × 1.1 × 3.1 in.) (excluding power cable)
Length of power cable	Approx. 1.8 m (6 ft.)
Weight	Approx. 70 g (2.5 oz) (excluding power cable)

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⚠ **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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