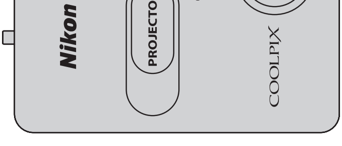
Nikon

DIGITAL CAMERA

COOLPIX S1200pj

Reference Manual



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See **http://www.mpegla.com**.

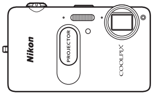
Introduction

Read This First

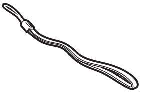
Thank you for purchasing the Nikon COOLPIX S1200pj digital camera. Before using the camera, please read the information in “For Your Safety” (🕮 vi) and familiarize yourself with the information provided in this manual. After reading, please keep this manual handy and refer to it to enhance your enjoyment of your new camera.

Confirming the Package Contents

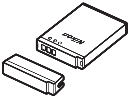
In the event that any items are missing, please contact the store where you purchased the camera.



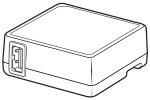
COOLPIX S1200pj
Digital Camera



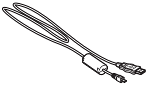
Camera Strap



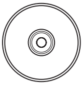
Rechargeable Li-ion Battery
EN-EL12
(with terminal cover)



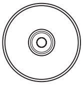
Charging AC Adapter
EH-69P*



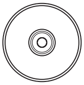
USB Cable UC-E6



ViewNX 2 Installer CD



PC-PJ Transfer CD



Reference Manual CD

- Warranty

* A plug adapter is included only in countries or regions where required, and its shape varies with country or region of purchase (🕮 18).

NOTE: A memory card is not included with the camera.

* The following items are available separately:

- Audio Video Cable EG-CP16
- Remote Control ML-L5

About This Manual

If you want to start using the camera right away, see “Basic Steps for Shooting and Playback” (📖 15).

To learn about the parts of the camera and basic operations, see “Parts of the Camera and Basic Operation” (📖 1).

Other Information

- Symbols and Conventions
  To make it easier to find the information you need, the following symbols and conventions are used in this manual:

Symbol	Description
☑	This icon marks cautions, information that should be read before use, to prevent damage to the camera.
✎	This icon marks notes, information that should be read before using the camera.
📖/🔭/💡	These icons indicate other pages containing relevant information; 🔭: “Reference Section”, 💡: “Technical Notes and Index.”

- SD, SDHC, and SDXC memory cards are referred to as “memory cards” in this manual.
- 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 on a computer monitor appear in bold.
- In this manual, images are sometimes omitted from monitor display samples so that monitor indicators can be more clearly shown.
- Illustrations and text displays shown in this manual may differ from actual display.

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. Visit the site 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, Charging AC Adapter, 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.

The use of third-party rechargeable Li-ion batteries not bearing the Nikon holographic seal could interfere with normal operation of the camera or result in the batteries overheating, igniting, rupturing, or leaking.

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

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

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 documentation 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 the documentation 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 the documentation 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.

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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 **Select an image** option in the **Welcome screen** setting (📖 98). Care should be taken to avoid injury or damage to property when physically destroying data storage devices.

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 Charging AC Adapter, unplug the Charging 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 Charging AC Adapter could result in injury. Repairs should be performed only by qualified technicians. Should the camera or Charging 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 Charging 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.

⚠ Do not remain in contact with the camera, battery charger, or AC adapter for extended periods while the devices are on or in use.

Parts of the devices become hot. Leaving the devices in direct contact with the skin for extended periods may result in low-temperature burns.

Observe caution when handling the battery

The battery may leak, overheat 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 Charging AC Adapter/ AC adapter, be sure it is unplugged.
- Use only a Rechargeable Li-ion Battery EN-EL12 (included). Charge the battery by using a camera that supports battery charging. To perform this operation, use either Charging AC Adapter EH-69P (included) or the **Charge by computer** function. The Battery Charger MH-65 (available separately) is also available to charge the battery without using a camera.
- 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 Charging AC Adapter

- 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 plug or go near the Charging AC Adapter during lightning storms. Failure to observe this precaution could result in electric shock.
- Do not damage, modify, forcibly tug or bend the USB 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 Charging AC Adapter 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 cause overheating or fire.

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

⚠ Observe caution when using the flash

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

⚠ Turn the power off when using inside an airplane or the hospital

Turn the power off while inside the airplane during take off or landing. Follow the instructions of the hospital when using while in a hospital. The electromagnetic waves given out by this camera may disrupt the electronic systems of the airplane or the instruments of the hospital.

⚠ Observe caution when using the projector or movie light

- Do not look directly into the projector window or project images or shine the movie light in or near human eyes. This could damage eyes or result in visual impairment.
- Do not project images or shine the movie light towards the driver of motor vehicle. Doing so may result in an automobile accident.

Notices

Notices for Customers in the U.S.A.

IMPORTANT SAFETY INSTRUCTIONS– SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS

For connection to a supply not in the U.S.A., use an attachment plug adapter of the proper configuration for the power outlet if needed.

The power supply unit is intended to be correctly orientated in a vertical or floor mount position.

Federal Communications Commission (FCC) Radio Frequency Interference Statement

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

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

Nikon
COOLPIX S1200pj

CAUTIONS

Modifications

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

Interface Cables

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

Notice for customers in the State of California

WARNING

Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause birth defects or other reproductive harm.

Wash hands after handling.

Nikon Inc.,

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

Tel: 631-547-4200

Notice for customers in Canada

CAUTION

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

ATTENTION

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

Notices for customers in Europe

CAUTIONS

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.

DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

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:

- All batteries, whether marked with this symbol or not, are 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

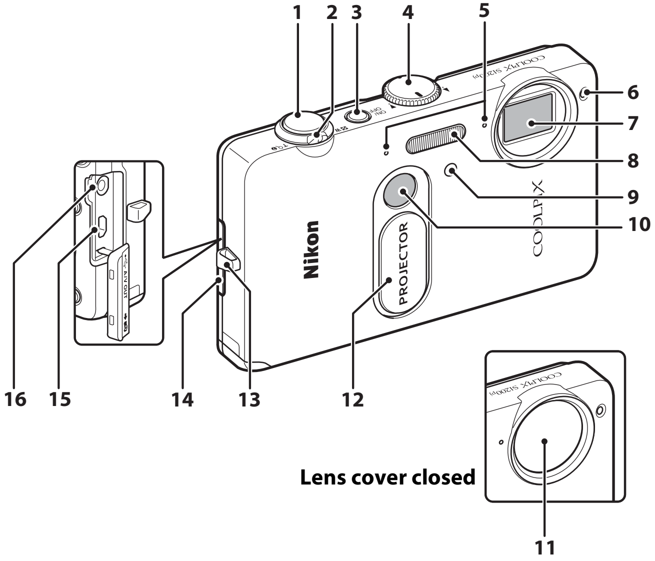
Parts of the Camera and Basic Operation

This chapter describes the parts of the camera and the information displayed on the camera's monitor, and also explains how to use basic camera features.

➡ If you want to start using the camera right away, see "Basic Steps for Shooting and Playback" (📖 15).

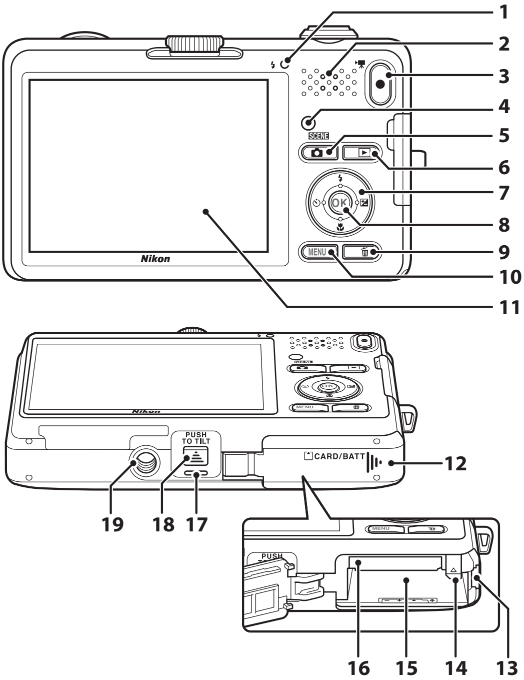
Parts of the Camera

The Camera Body



1	Shutter-release button	6, 7, 30
2	Zoom control **W**: Wide-angle **T**: Telephoto ▦: Thumbnail playback 🔍: Playback zoom ❓: Help	6, 7, 29 6, 29 6, 29 7, 33 7, 33 39
3	Power switch/power-on lamp	22, 23
4	Projector focus dial	83
5	Built-in microphone	90, 🔭 55
6	Self-timer lamp AF-assist illuminator Movie light	56 99 93, 🔭 59

7	Lens	
8	Flash	54
9	Infrared receiver (front)	36, 81
10	Projector window	80
11	Lens cover	💡 2
12	Projector cover	7, 80, 83
13	Eyelet for camera strap	5
14	Connector cover	18, 72, 🔭 21, 🔭 23
15	USB/audio/video output connector	18, 72, 🔭 21, 🔭 23
16	Projector input connector (for Dock Connector Cable)	82, 🔭 82, 💡 16

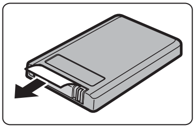


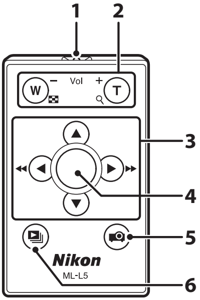
1	Charge lamp Flash lamp	19, 🔭 74 54
2	Speaker	94, 🔭 55
3	● (▶🎥 movie-record) button	6, 7, 90
4	Infrared receiver (rear)	36, 81
5	📷 (shooting mode) button	6, 7, 10, 26
6	▶ (playback) button	6, 7, 10, 32, 70
7	Multi selector	11
8	OK (apply selection) button	7, 11
9	🗑 (delete) button	6, 7, 34, 🔭 55
10	MENU button	6, 7, 12, 50, 71, 93, 98
11	Monitor	8, 26
12	Battery-chamber/ memory card slot cover	16, 17
13	Power connector cover (for connection with optional AC Adapter)	🔭 81
14	Battery latch	16
15	Battery chamber	16
16	Memory card slot	20
17	Projector stand	81
18	Projector stand latch	81
19	Tripod socket	💡 17

Remote Control ML-L5 (Available Separately)

The remote control can be used for shooting (📖 36). When the projector is in operation (📖 80), the remote control can be used to change the projected still pictures and to play back movies.

Before using the remote control for the first time, remove the insulating sheet by pulling it in the direction indicated.





1	Infrared emitter
2	Zoom button (shooting mode) **W**: wide-angle **T**: telephoto Zoom button (projector mode) ▦: thumbnail playback 🔍: playback zoom –: decrease volume +: increase volume
3	▲, ▼, ◀, or ▶ (up, down, left, or right selection) button
4	Apply selection button
5	📽 (projector) button*
6	🖻 (slide show) button

* Not available for use with the COOLPIX S1200pj. Use the projector cover (📖 2) to operate the built-in projector (📖 7).

See the following pages for more information on operating the remote control:

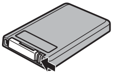
- Shooting mode: “Taking Pictures with the Remote Control (Available Separately)” (📖 36)
- When the projector is in operation: “Projector Controls” (📖 83), “🖻 Projecting Slide Shows” (📖 86)

✓ Notes on the Remote Control Battery

- When replacing the remote control battery, be sure that the battery’s positive (+) and negative (–) terminals are oriented correctly.
- Be sure to read and follow the warnings for the battery on page vii and the section “The Battery” (🔆 3), before use.

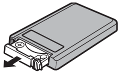
Replacing the Remote Control Battery

①



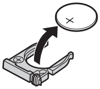
Push the tab in the direction indicated above.

②



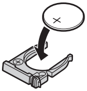
While holding the tab in, grasp the edge of the battery holder with your fingernail and pull it straight out.

③



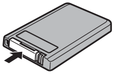
Remove the used 3V CR2025 lithium battery.

④



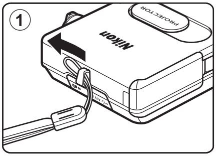
Place a new 3V CR2025 lithium battery in the battery holder. Be sure that the "+" mark is facing up.

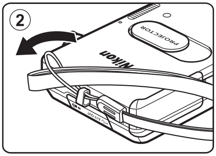
⑤

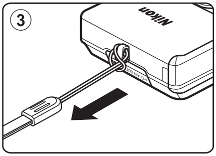


Insert the battery holder into the remote control.

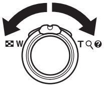
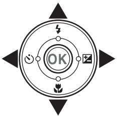
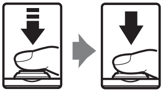
Attaching the Camera Strap



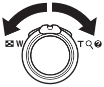
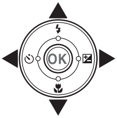
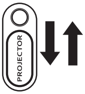




Camera Controls Used When Shooting

Control	Name	Main function	📖
	Shooting mode button	Changes the shooting mode (displays the shooting-mode selection screen).	26
	Zoom control	Zooms in and out; rotate to **T** (🔍) to zoom in, and rotate to **W** (⊞) to zoom out.	29
	Multi selector	See “Features That Can Be Set Using the Multi Selector” for more information.	11, 12
	Menu button	Displays and hides the menu.	12, 50, 93, 98
	Shutter-release button	When pressed halfway (i.e., if you stop pressing when you feel resistance): Sets focus and exposure. When pressed all the way (i.e., if you press the button halfway and then continue to press it all the way down): Releases the shutter.	30
	Movie-record button	Starts and stops movie recording.	90
	Playback button	Plays back pictures.	32, 70, 94
	Delete button	Deletes the last picture that was saved.	34

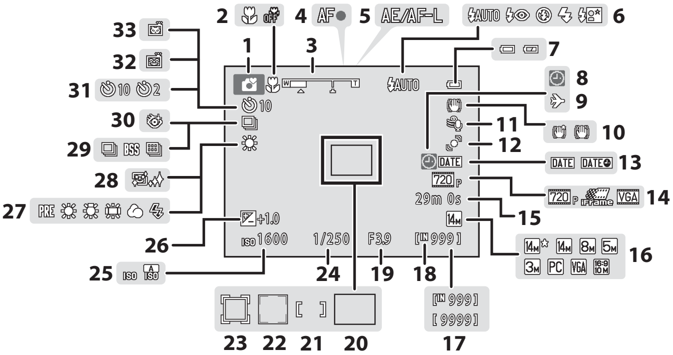
Camera Controls Used When Playing Back or Projecting Pictures

Control	Name	Main function	📖
	Playback button	• Changes the playback mode (displays the playback-mode selection screen). • When the camera is turned off, press and hold this button to turn the camera on in playback mode.	70 23
	Zoom control	• When displaying pictures, rotate to **T** (🔍) to magnify the picture, and rotate to **W** (▦) to display picture thumbnails or the calendar. • Rotate the zoom control to adjust the volume.	33 94
	Multi selector	See "Features That Can Be Set Using the Multi Selector" for more information.	11, 12
	Apply selection button	• Switches from picture thumbnail or zoomed picture display to full-frame display. • Adding and removing favorite pictures. • Plays back movies.	33 🔭 4, 🔭 5 94
	Menu button	Displays and hides the menu.	12, 71, 98
	Delete button	Deletes pictures.	34
	Shooting mode button	Switches to shooting mode. * When the projector is in operation, the camera cannot be switched to shooting mode. Close the projector cover to stop the projector and switch to shooting mode.	–
	Shutter-release button		–
	Movie-record button		–
	Projector cover	• Open to project pictures with the built-in projector. • Close to stop projecting pictures with the built-in projector.	80

The Monitor

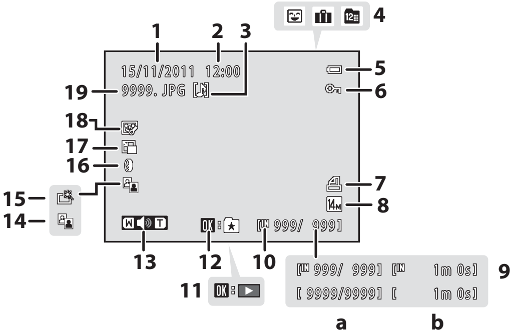
The information that is displayed in the monitor during shooting and playback changes depending on the camera’s settings and state of use. At the default setting, the indicators below are displayed when the camera is turned on or is in operation, and they disappear after a few seconds elapse (when **Monitor settings** (📖 98) → **Photo info** is set to **Auto info**).

Shooting Mode



1	Shooting mode	26, 38, 39, 46, 47
2	Macro mode	57
3	Zoom indicator	29, 57
4	Focus indicator	30
5	AE/AF-L indicator	🔭 3
6	Flash mode	54
7	Battery level indicator	22
8	“Date not set” indicator	24, 🔭 61, 🔭 82
9	Travel destination	98, 🔭 61
10	Vibration reduction	99, 🔭 67
11	Wind noise reduction	93, 🔭 59
12	Motion detection icon	99, 🔭 68
13	Print date	99, 🔭 66
14	Movie options	93, 🔭 58
15	Movie length	90
16	Image mode	61
17	Number of exposures remaining (still pictures)	22
18	Internal memory indicator	22
19	Aperture value	30
20	Focus area (auto)	30, 52, 🔭 42
21	Focus area (for manual or center)	52, 🔭 43
22	Focus area (face detection, pet detection)	30, 45, 47, 52, 🔭 42
23	Focus area (subject tracking)	52, 🔭 43
24	Shutter speed	30
25	ISO sensitivity	51, 🔭 41
26	Exposure compensation value	58
27	White balance mode	51, 🔭 37
28	Skin softening	49, 🔭 36
29	Continuous shooting mode	51, 🔭 39
30	Blink proof	49, 🔭 36
31	Self-timer indicator	56
32	Smile timer	49, 🔭 36
33	Pet portrait auto release	45

Playback Mode



1	Date of recording	24
2	Time of recording	24
3	Voice memo icon	71, 🔭 55
4	Album icon in favorite pictures mode Category icon in auto sort mode List by date indicator	🔭 4 🔭 7 🔭 9
5	Battery level indicator	22
6	Protect icon	71, 🔭 52
7	Print order icon	71, 🔭 46
8	Image mode Movie options	61 93, 🔭 58
9	**a** Current frame number/ total number of frames **b** Movie length	32 94
10	Internal memory indicator	32
11	Movie playback guide	94
12	Add to favorite pictures guide	🔭 4
13	Volume indicator	94, 🔭 55
14	D-Lighting icon	71, 🔭 13
15	Quick retouch icon	71, 🔭 12
16	Filter effects icon	71, 🔭 16
17	Small picture icon	71, 🔭 18
18	Glamour retouch icon	71, 🔭 14
19	File number and type	🔭 80

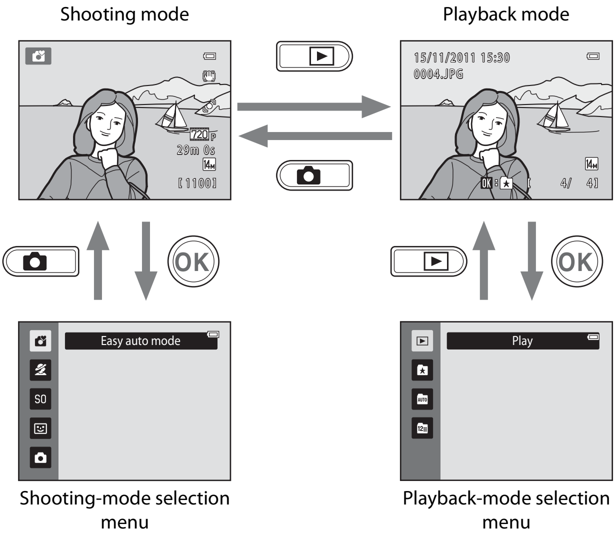
Basic Operations

Switching Between Shooting Mode and Playback Mode

The camera has two modes of operation: Shooting mode, which is used for taking pictures, and playback mode, which is used for viewing pictures.

While using shooting mode, press the ▶ (playback) button to switch to playback mode; while using playback mode, press the 📷 (shooting mode) button to switch to shooting mode.

- While using playback mode, you can also switch to shooting mode by pressing the shutter-release button or the ● (🎥 movie-record) button, except when the projector is in operation.

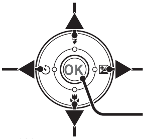


- If you press the 📷 (shooting mode) button while the shooting screen is displayed, the shooting-mode selection menu is displayed, from which you can select one of the available shooting modes (📖 26).
- If you press the ▶ (playback) button while the playback screen is displayed, the playback-mode selection menu is displayed, from which you can select one of the available playback modes (📖 70).
- Open the projector cover to start projecting pictures (📖 80, 83). Close the projector cover to stop projecting pictures.

Using the Multi Selector

Operate by pressing the multi selector up (▲), down (▼), left (◀), or right (▶), or pressing the OK button.

Shooting Mode



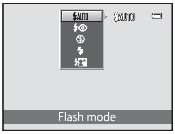
Display ⚡ (flash mode) (□ 54) menu or move cursor up

Display ⏱ (self-timer) (□ 56) menu

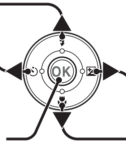
Display ± (exposure compensation) (□ 58) guide

Apply selection

Display 🌷 (macro mode) (□ 57) menu or move cursor down



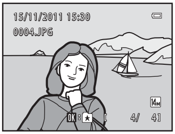
Playback Mode and Projecting Pictures



Select previous picture or move the displayed area when the picture is magnified (□ 33)

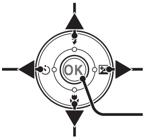
Add or remove favorite pictures (∞ 4, ∞ 5) /Play back movies (□ 94)*

Select next picture or move the displayed area when the picture is magnified (□ 33)



* When displaying picture thumbnails or when the picture is magnified, this button switches the camera to full-frame display.

Menu Screen



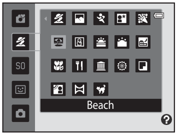
Move cursor up

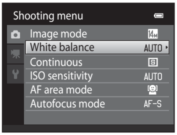
Move cursor left or return to the previous screen

Move cursor right or go to the next screen (apply selection)

Apply selection (go to the next screen)

Move cursor down





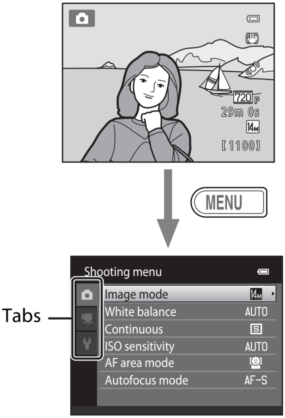
Shooting menu

Image mode	14M
White balance	AUTO
Continuous	S
ISO sensitivity	AUTO
AF area mode	
Autofocus mode	AF-S

Using Menus (the MENU Button)

If you press the MENU button while the shooting screen or playback screen is displayed, the menu for the current mode is displayed. Once the menu is displayed, you can change various settings.

Shooting mode



📷 tab:

Displays the settings that can be changed for the current shooting mode (□ 26). Depending on the current shooting mode, the tab icon that is displayed will be different.

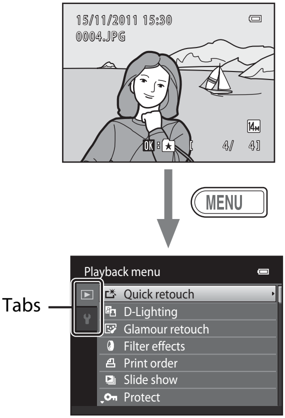
🎥 tab:

Displays the settings that deal with movie recording.

🔧 tab:

Displays the setup menu (General Camera Setup), where you can change a number of general settings.

Playback mode



▶ tab:

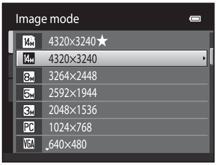
Displays the settings that can be changed for the current playback mode (□ 70). Depending on the current playback mode, the tab icon that is displayed will be different.

🔧 tab:

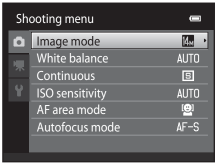
Displays the setup menu (General Camera Setup), where you can change a number of general settings.

If Tabs are not Displayed

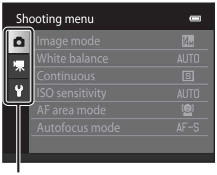
If you press the MENU button and the screen that allows you to change the image mode is displayed, press the multi selector ◀ to display the tabs.



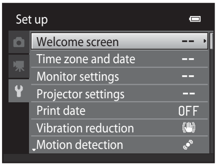
Switching Between Tabs



Press the multi selector ◀ to highlight the tab.

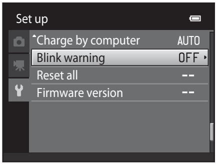


Press the multi selector ▲ or ▼ to select a tab, and press either the OK button or ▶.

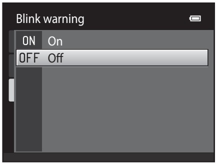


The selected menu is displayed.

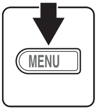
Selecting Items



Select an item with the multi selector ▲ or ▼ and press either ▶ or the OK button.



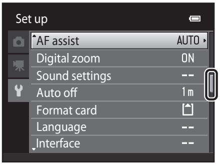
Select an item with ▲ or ▼ and press the OK button.



When you are finished changing settings, press the MENU button to exit the menu.

When the Menu Contains Two or More Pages

The scroll bar is displayed when all of the menu items do not fit on one screen.



Basic Steps for Shooting and Playback

Preparation

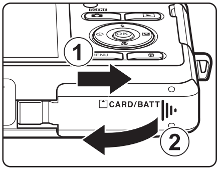
Shooting

Playback

Other

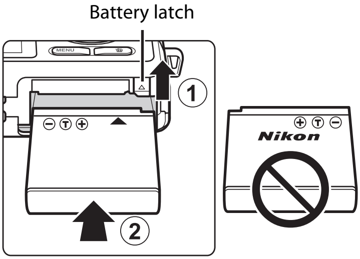
Preparation 1 Inserting the Battery

1 Slide the battery-chamber/memory card slot cover in the direction indicated by the arrow (①) and open the cover (②).



2 Insert the included Rechargeable Li-ion Battery EN-EL12.

- Use the battery to lift the orange battery latch in the direction indicated by the arrow (①) and fully insert the battery (②).
- When the battery is properly inserted, the battery latch will lock it in place.

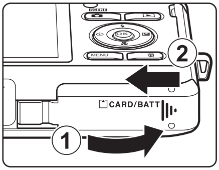


Inserting the Battery Correctly

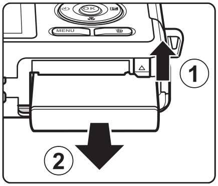
Inserting the battery upside down or backwards could damage the camera. Be sure to check that the battery is in the correct orientation.

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

- Charge the battery before first use or when it is running low. See page 18 for more information.



Removing the Battery



Be sure that the power-on lamp and the monitor have turned off and open the battery-chamber/memory card slot cover.

Slide the orange battery latch in the direction indicated by the arrow (①), and then remove the battery. Pull the battery straight out of the camera (②); do not pull it at an angle.

✓ High Temperature Caution

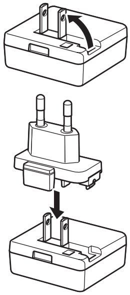
The camera, battery, and memory card may be hot immediately after using the camera. Observe caution when removing the battery or memory card.

✓ Note on the Battery

Be sure to read and follow the warnings for the battery on page vii and the section “The Battery” (☼ 3), before use.

Preparation 2 Charging the Battery

1 Prepare the included Charging AC Adapter EH-69P.

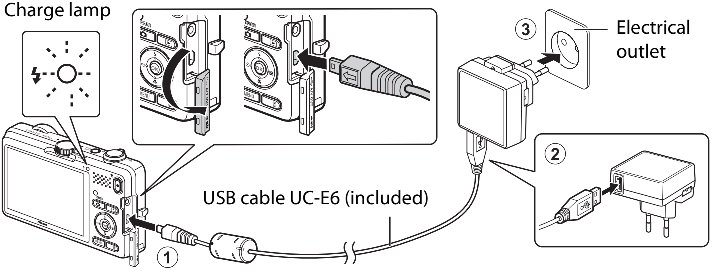


- If a plug adapter* is included, attach the plug adapter to the plug on the Charging AC Adapter. Push the plug adapter firmly until it is securely held in place. Once the two are connected, attempting to forcibly remove the plug adapter could damage the product.

  * The shape of the plug adapter varies according to the country or region in which the camera was purchased.
  The Charging AC Adapter comes with the plug adapter attached in Argentina, Brazil, and Korea.

2 Make sure the battery is installed in the camera, and then connect the camera to the Charging AC Adapter in order of ① to ③.

- Keep the camera turned off.
- When connecting the cable, be sure that the camera connector is properly oriented. Do not use force when connecting the cable to the camera. When disconnecting the cable, do not pull the connector at an angle.



- The charge lamp slowly blinks green to indicate that the battery is charging.
- About 5 hours are required to charge a fully exhausted battery.
- When the battery has been completely charged, the charge lamp turns off.
- See “Understanding the Charge Lamp” (📖 19) for more information.

3 Disconnect the Charging AC Adapter from the electrical outlet and then disconnect the USB cable.

- When the camera is connected to the electrical outlet with the EH-69P, the camera cannot be turned on.

Understanding the Charge Lamp

Charge lamp	Description
Blinks slowly (green)	Battery charging.
Off	Battery not charging. When charging is complete, the charge lamp stops blinking green and turns off.
Flickers (green)	• The ambient temperature is not suited to charging. Charge the battery indoors with an ambient temperature of 5°C to 35°C (41°F to 95°F). • The USB cable or Charging AC Adapter is not properly connected, or there is a problem with the battery. Disconnect the USB cable or unplug the Charging AC Adapter and correctly connect it again, or change the battery.

☑ Note on Charging AC Adapter

Be sure to read and follow the warnings for the Charging AC Adapter on page vii and the section, “Charging AC Adapter Information” (💡 3) before use.

✎ Charging Using Computer or Battery Charger

- Connecting the COOLPIX S1200pj to a computer also charges the Rechargeable Li-ion Battery EN-EL12 (🕮 72, ⚯ 73).
- Rechargeable Li-ion Battery EN-EL12 can also be charged using the Battery Charger MH-65 (available separately; ⚯ 81).

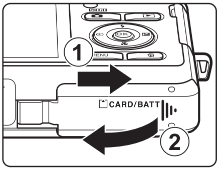
✎ AC Power Supply

- If the AC Adapter EH-62F (available separately; ⚯ 81) is used, power is supplied to the camera from an electrical outlet and taking pictures and playing back pictures are available with this camera.
- Do not, under any circumstances, use another make or model of AC adapter other than the EH-62F. Failure to observe this precaution could result in overheating or in damage to the camera.

Preparation 3 Insert a Memory Card

1 Be sure that 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 cover.

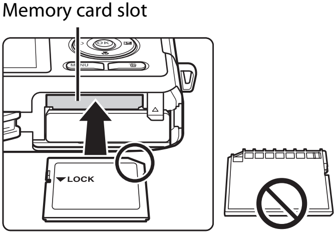


2 Insert the memory card.

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

Inserting the Memory Card

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



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

Formatting a Memory Card

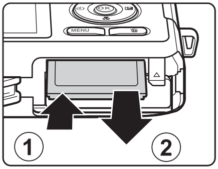
- The first time you insert a memory card that has been used in another device into this camera, be sure to format it with this camera.
- ***All data stored on a memory card is permanently deleted when the card is formatted.*** Be sure to transfer important pictures to a computer and save them before formatting.
- To format a memory card, insert the memory card into the camera, press the MENU button and select **Format card** (📖 100) from the setup menu (📖 98).

Note on Memory Cards

Refer to the documentation included with the memory card, as well as “Memory Cards” (☼ 4) in “Maximizing Camera Life and Performance”.

Removing Memory Cards

Be sure that the power-on lamp and the monitor have turned off and open the battery-chamber/memory card slot cover.



Gently push the memory card into the camera (①) to partially eject the card, and then remove the card. Pull the memory card straight out of the camera (②); do not pull it at an angle.

High Temperature Caution

The camera, battery, and memory card may be hot immediately after using the camera. Observe caution when removing the battery or memory card.

Internal Memory and Memory Cards

Camera data, including still pictures and movies, can be saved in either the camera's internal memory (approximately 94 MB) or on a memory card. To use the camera's internal memory for shooting or playback, first remove the memory card.

Approved Memory Cards

The following Secure Digital (SD) memory cards have been tested and approved for use in this camera.

- Memory cards with an SD Speed Class rating of 6 or faster are recommended for recording movies. Movie recording may stop unexpectedly when memory cards with a lower Speed Class rating are used.

	SD memory card	SDHC memory card[2]	SDXC memory card[3]
SanDisk	2 GB[1]	4 GB, 8 GB, 16 GB, 32 GB	64 GB
TOSHIBA	2 GB[1]	4 GB, 8 GB, 16 GB, 32 GB	64 GB
Panasonic	2 GB[1]	4 GB, 8 GB, 12 GB, 16 GB, 32 GB	48 GB, 64 GB
Lexar	–	4 GB, 8 GB, 16 GB, 32 GB	–

[1] If the memory card is used with a card reader or similar device, be sure that the device supports an SD memory card of 2 GB or more.

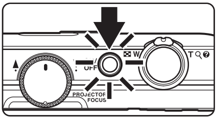
[2] SDHC compliant. If the memory card is used with a card reader or similar device, be sure that the device is compliant with the SDHC standard.

[3] SDXC compliant. If the memory card is used with a card reader or similar device, be sure that the device is compliant with the SDXC.

- Contact the manufacturer for details on the above cards. We cannot guarantee camera performance when using memory cards made by other manufacturers.

Step 1 Turn the Camera On

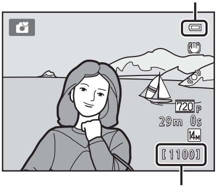
1 Press the power switch to turn on the camera.



- ***If you are turning the camera on for the first time, see "Setting Display Language, Date and Time"*** (📖 24).
- The monitor will turn on.

2 Check the battery level indicator and the number of exposures remaining.

Battery level indicator



Number of exposures remaining

Battery level indicator	Description
▭*	Battery level high
▬	Battery level low. Prepare to charge or replace the battery.
ⓘ Battery exhausted.	The camera cannot take pictures. Charge or replace the battery.

* The indicator is not displayed when projecting slide shows or playing back files from a connected device.

Number of Exposures Remaining

The number of pictures that can be stored is displayed.

- If a memory card is not inserted, IN is displayed to indicate that pictures will be saved in the camera's internal memory (approximately 94 MB).
- The number of exposures remaining varies depending on whether you are using the camera's internal memory or a memory card, and also varies depending on the image quality and image size (image mode) setting (📖 62).
- The number of exposures remaining shown in the illustrations may differ from the actual display.

Turning the Camera On and Off

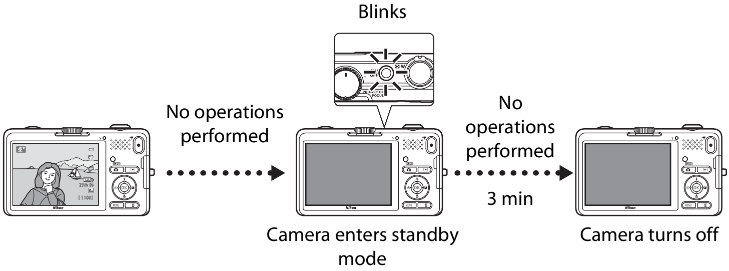
- When the camera is turned on, the power-on lamp (green) will light, and then the monitor will turn on (the power-on lamp turns off when the monitor turns on).
- To turn off the camera, press the power switch. When the camera is turned off, both the power-on lamp and the display turn off.
- To turn on the camera in playback mode, press and hold the ▶ (playback) button.

Power Saving Function (Auto Off)

If no operations are performed for a while, the monitor will turn off, the camera will enter standby mode, and the power-on lamp will blink. If no operations are performed for another three minutes, the camera will turn off automatically.

To reactivate the monitor while the power-on lamp is blinking, press any of the following buttons:

- Power switch, shutter-release button, 📷 (shooting mode) button, ▶ (playback) button or ● (🎥 movie-record) button.

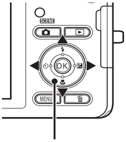


- The time allowed to elapse before the camera enters standby mode can be changed from the **Auto off** option (📖 100) in the setup menu (📖 98).
- By default, the camera enters standby mode in about one minute when you are using shooting mode or playback mode.
- When the AC Adapter EH-62F (available separately) is used, the camera enters standby mode after 30 minutes.
- See "Auto Off with Projection" (📖 82) for more information.

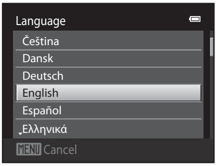
Setting Display Language, Date and Time

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

1 **Press the multi selector ▲ or ▼ to choose the desired language and press the OK button.**



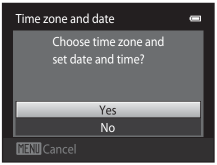
Multi selector



Language
Čeština
Dansk
Deutsch
English
Español
Ελληνικά
MENU Cancel

2 **Press ▲ or ▼ to choose Yes and press the OK button.**

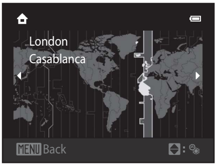
- To cancel without changing the setting, select **No**.



Time zone and date
Choose time zone and set date and time?
Yes
No
MENU Cancel

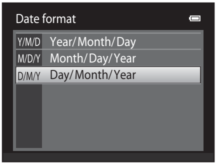
3 **Press ◀ or ▶ to select your home time zone and press the OK button.**

- See "Daylight Saving Time" (📖 25) for more information.



London
Casablanca
MENU Back

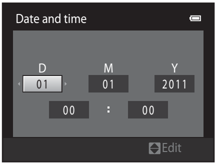
4 **Press the ▲ or ▼ to choose the order in which the day, month and year are displayed and press the OK button or ▶.**



Date format
Y/M/D Year/Month/Day
M/D/Y Month/Day/Year
D/M/Y Day/Month/Year

5 **Press ▲, ▼, ◀, or ▶ to edit the date and time and press the OK button.**

- Select a field: Press ▶ or ◀ (the highlight switches between **D**, **M**, **Y**, hour, and minute).
- Edit the value: Press ▲ or ▼.
- Apply the settings: Select the minute field and press the OK button or ▶.
- When the settings are applied, the monitor display exits to shooting mode.

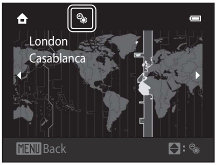


Date and time
D M Y
01 01 2011
00 : 00
Edit

Daylight Saving Time

If daylight saving time is in effect, press ▲ to enable the daylight saving time function while setting the region in step 3.

- When the daylight saving time function is enabled, ☀ is displayed at the top of the monitor. To turn off the daylight saving time function, press ▼.



Changing the Language or the Date and Time Setting

- You can change these settings using the **Language** and **Time zone and date** settings in the setup menu (📖 98).
- When the daylight saving time function is enabled in **Time zone** in **Time zone and date** in the setup menu, the camera clock moves forward one hour, and when it is disabled, it moves back one hour. When **Travel destination** (✈) is selected, the local time is automatically calculated and the shooting date and time of the selected region are recorded with the pictures.
- If you exit without setting the date and time, ◷ will blink when the shooting screen is displayed. Use the **Time zone and date** setting in the setup menu to set the date and time (📖 98).

The Clock Battery

- The camera clock is powered by the backup battery that is separate from the camera's main battery.
- The backup battery charges when the main battery is inserted into the camera or when the camera is connected to an optional AC adapter, and can provide several days of backup power after about ten hours of charging.
- If the backup battery becomes exhausted, the date and time setting screen is displayed when the camera is turned on. Set the date and time again. See "Setting Display Language, Date and Time" (step2, 📖 24) for more information.

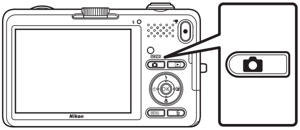
Imprinting the Shooting Date in Printed Pictures

- Set the date and time before shooting.
- You can permanently imprint the shooting date in pictures as they are taken by setting **Print date** in the setup menu (📖 98).
- You can use the ViewNX 2 software (📖 73) to print the shooting date in pictures that were taken without using the **Print date** option.

Step 2 Select a Shooting Mode

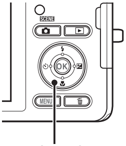
1 Press the 📷 button.

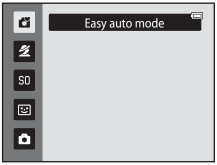
- The shooting-mode selection menu which allows you to select the desired shooting mode, is displayed.



2 Press the multi selector ▲ or ▼ to choose a shooting mode.

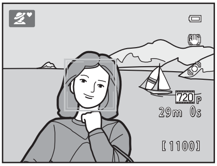
- 📷 (easy auto) mode is used in this example. Select 📷 **Easy auto mode**.





3 Press the OK button.

- The camera enters 📷 (easy auto) mode. The shooting mode icon changes to ▣, ▣, ▣, ▣, ▣, ▣, or ▣, depending on the subject or composition of the picture.
- See “The Monitor” (📖 8) for more information about the shooting screen.



- The shooting mode setting is saved when the camera is turned off.

Available Shooting Modes

📷♥ Easy auto mode 🕮 38

By simply framing a picture, the camera automatically selects the optimum shooting mode.

⛷ Scene mode 🕮 39

Camera settings are automatically optimized for the selected scene.

- To select a scene, first display the shooting-mode selection menu and then press the multi selector ▶. Select the desired scene by pressing ▲, ▼, ◀, or ▶, and then press the OK button.

SO Special effects 🕮 46

Effects can be applied to images during shooting. The available effects are six types.

- To select an effect, first display the shooting-mode selection menu and then press the multi selector ▶. Select the desired scene by pressing ▲, ▼, ◀, or ▶, and then press the OK button.

☺ Smart portrait 🕮 47

The camera uses face detection to detect human faces, and then automatically releases the shutter when a smile is detected. The skin softening option can be used to make skin tones of human faces displayed smoothly.

📷 Auto mode 🕮 50

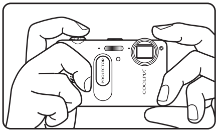
📷 (auto) mode is useful for general photography, and it allows you to adjust a variety of settings in the shooting menu (🕮 51) to suit the shooting conditions and the type of shot you want to capture.

✎ Features That Are Available in Each Shooting Mode

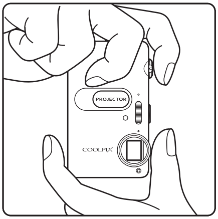
- Select the desired function by pressing ▲ (⚡), ▼ (🌷), ◀ (⏲), or ▶ (±). See “Features That Can Be Set Using the Multi Selector” (🕮 53) for more information.
- When using shooting mode, press the MENU button to display the menu for the selected mode. See “Shooting Features” (🕮 37) for information about the settings available in the menu for the current shooting mode.

Step 3 Frame a Picture

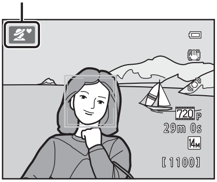
1 Hold the camera steadily in both hands.



- Keep fingers and other objects away from the lens, flash, AF assist-illuminator, microphone, and speaker.
- When taking pictures in portrait (“tall”) orientation, turn the camera so that the built-in flash is above the lens.



2 Frame the picture.


Shooting mode icon

- When the camera automatically selects the optimum scene mode, the shooting mode icon will be changed (🕮 38).
- When the camera detects a face, that face will be framed by a yellow double border (focus area).
- Up to 12 faces can be detected. If more than one face is detected, the face closest to the camera will be framed by a double border, and the others by a single border.
- When taking pictures of subjects other than people, or framing a subject with which no face is detected, a focus area will not be displayed. Frame the picture so that the intended subject is at or near the center of the frame.

✔ Note on 📷 (Easy Auto) Mode

When digital zoom is in effect, shooting mode is 📷.

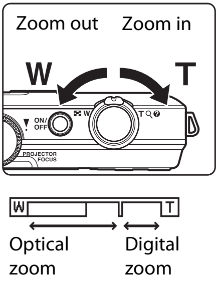
✎ Using a Tripod

- We recommend using a tripod to stabilize the camera when shooting in the following situations:
  - When shooting in dim lighting or when the flash mode (🕮 55) is set to ⊘ (off), and when telephoto shooting.
  - When using the telephoto setting.
- Set **Vibration reduction** in the setup menu (🕮 98) to **Off** when using a tripod to stabilize the camera.

Using the Zoom

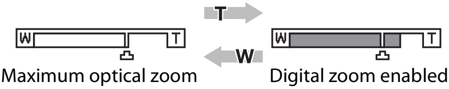
Use the zoom control to activate optical zoom.

- Rotate the zoom control to **T** to zoom in so that the subject fills a larger area of the frame.
- Rotate the zoom control to **W** to zoom out, thus increasing the area visible in the frame.
- The zoom position is set at the maximum wide-angle position when the camera is turned on.
- A zoom indicator is displayed at the top of the monitor when the zoom control is rotated.



Digital Zoom

When the camera is zoomed in to the maximum optical zoom position, rotating and holding the zoom control at **T** triggers digital zoom. The subject is magnified up to 4× the maximum optical zoom ratio.

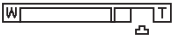


- The camera focuses at the center of the frame and the focus area is not displayed when digital zoom is in effect.

Digital Zoom and Interpolation

Unlike optical zoom, digital zoom uses a digital imaging process known as interpolation to magnify pictures, resulting in slight deterioration of picture quality according to the image mode (🕮 61) and digital zoom magnification.

Interpolation is applied at zoom positions beyond 凸 when taking still pictures. When zoom is increased beyond the 凸 position, interpolation is initiated and the zoom indicator turns yellow to indicate that interpolation is being applied. 凸 moves to the right as the image size becomes smaller, allowing you to confirm the zoom position that can be used to capture still pictures without image degradation before shooting at the current image size setting.

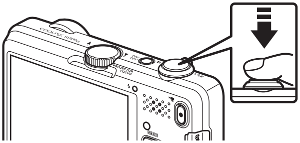


Small image size

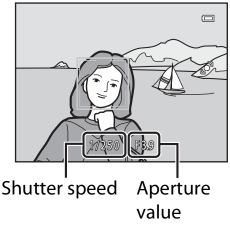
- Digital zoom can be disabled from the **Digital zoom** option (🕮 99) in the setup menu (🕮 98).

Step 4 Focus and Shoot

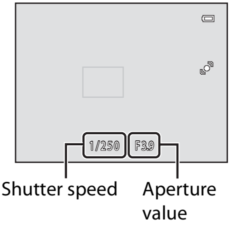
1 Press the shutter-release button halfway, i.e., press the button slightly until you feel resistance.



- When you press the shutter-release button halfway, the camera sets focus and exposure (shutter speed and aperture value). Focus and exposure remain locked while the shutter-release button is pressed halfway.
- When a face is detected, it is framed by the double border indicating the active focus area. When the subject is in focus, the double border turns green.



- When a face is not detected, the camera automatically selects the focus area (up to nine areas) suitable to the shooting scene. When the subject is in focus, the focus area that is selected glows green.



- When digital zoom is used, the focus area is not displayed and the camera focuses at the center of the frame. Once focus has been acquired, the focus indicator (📖 8) will glow green.
- If the focus area or the focus indicator blinks red when the shutter-release button is pressed halfway, the camera is unable to focus. Modify the composition and press the shutter-release button halfway again.

2 Press the shutter-release button all the way, i.e., press the button the rest of the way down.

- The shutter is released and the picture will be recorded to the memory card or internal memory.
- If you press the shutter-release button with too much force, the camera may shake, causing pictures to be blurred. Press the button gently.

During Recording

- While pictures are being recorded, the number of exposures remaining will blink. ***Do not open the battery-chamber/memory card slot cover*** while pictures are being recorded. Cutting power or removing the memory card in these circumstances could result in loss of data or in damage to the camera or card.
- It may take some time for the picture to be saved depending on the current settings or the shooting conditions (💡 11).

Subjects Not Suitable for 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 behind the subject makes that subject appear very dark)
- No contrast between the subject and surroundings (e.g. a portrait subject, wearing a white shirt, is standing in front of a white wall)
- Several objects are at different distances from the camera (e.g. the subject is inside a cage)
- Regular geometric patterns (e.g. window blind or windows in a skyscraper)
- 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 in auto mode and use focus lock (📖 68). When using focus lock, be sure that the distance between the camera and the subject with which focus was locked is the same as that for the actual subject.

Note on Face Detection

See “Face Detection” (📖 65) for more information.

AF-assist Illuminator and Flash

If the subject is poorly lit, the AF-assist illuminator (📖 99) may light when the shutter-release button is pressed halfway, or the flash (📖 54) may fire when the shutter-release button is pressed all the way down.

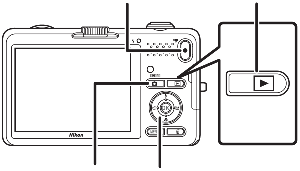
To Make Sure You Do Not Miss a Shot

If you are concerned that you might miss a shot, press the shutter-release button all the way without first pressing it halfway.

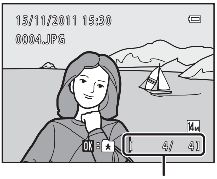
Step 5 Play Back Pictures

1 Press the ▶ (playback) button.

- The camera enters playback mode, and the last picture taken is displayed in full-frame playback mode.



2 To display the previous or next picture by pressing the multi selector.



- Press ▲ or ◀ to view the previous picture.
- Press ▼ or ▶ to view the next picture.
- To play back pictures that are saved in the internal memory, remove the memory card. IN is displayed in place of the “Current frame number/total number of frames” indicator.
- To return to shooting mode, press the 📷 button, shutter-release button, or the ● (🎥 movie-record) button.

Viewing Pictures

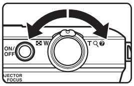
- Pictures may be displayed briefly at low resolution while being read from the memory card or internal memory.
- If you are viewing a picture that was taken using face detection (🕮 65) or pet detection (🕮 45), these pictures will be rotated and displayed automatically in full-frame playback mode, based on the orientation of the faces detected, except for pictures taken with **Continuous**, **BSS**, or **Multi-shot 16** (🕮 51).
- The orientation of pictures can be changed using **Rotate image** (🕮 71) in the playback menu.

Selecting Types of Pictures for Playback

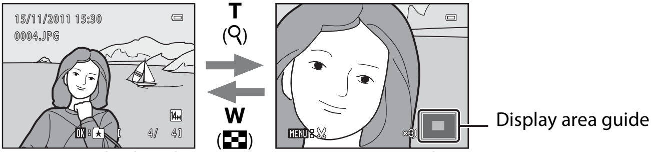
- See “Functions Available in Playback Mode (Playback Menu)” (🕮 71) for more information.
- See “Selecting Certain Types of Pictures for Playback” (🕮 70) for more information.

Changing How Pictures Are Displayed

When using playback mode, you can change how pictures are displayed by rotating the zoom control to **W** (⊞) and **T** (🔍) (📖 6).



Playback Zoom

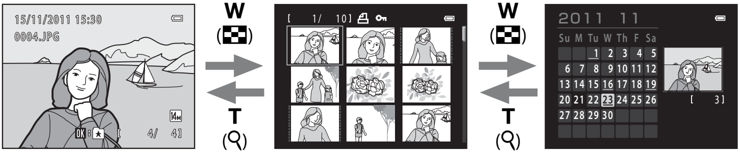


Picture is displayed full- frame

Picture is zoomed in

- Pictures can be zoomed up to 10×.You can adjust the zoom ratio by rotating the zoom control to **W** (⊞)/ **T** (🔍).
- To view a different area of the picture, press the multi selector ▲, ▼, ◀, or ▶.
- If you are viewing a picture that was taken using face detection (📖 65) or pet detection (📖 45), the camera zooms in on the face detected at the time of shooting, except for pictures taken with **Continuous**, **BSS**, or **Multi-shot 16** (📖 51). If the camera detected multiple faces when the picture was taken, press ▲, ▼, ◀, or ▶ to display a different face. To zoom in on an area of the picture where there are no faces, change the zoom ratio and then, press ▲, ▼, ◀, or ▶.
- You can crop the picture and save the displayed area of the picture as a separate file by pressing the MENU button (⚭ 19).
- Press the OK button to return to full-frame playback mode.

Image Thumbnail Display/Calendar Display



Full-frame display

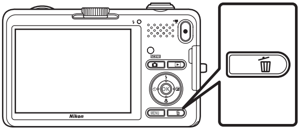
Image thumbnail display (4, 9, and 16 images per screen)

Calendar display

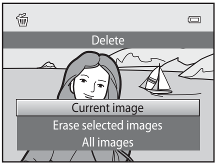
- You can view several pictures on one screen, making it easy to find the picture you want.
- You can change the number of thumbnails displayed by rotating the zoom control to **W** (⊞) and **T** (🔍).
- Press the multi selector ▲, ▼, ◀, or ▶ to select an picture, and then press the OK button to display that picture full-frame.
- When 16 thumbnails are displayed, rotate the zoom control to **W** (⊞) to switch to calendar display (except for list by date mode).
- While using calendar display mode, press the multi selector ▲, ▼, ◀, or ▶ to select a date and then press the OK button to display the first picture taken on that day.

Step 6 Delete Unwanted Pictures

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

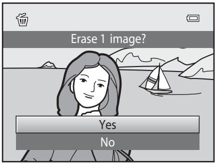


2 Press the multi selector ▲ or ▼ to choose the desired deletion method and press the 🆗 button.



- **Current image**: Delete the currently displayed full-frame picture.
- **Erase selected images**: Select multiple pictures and delete them. See “Operating the Erase Selected Images Screen” (📖 35) for more information.
- **All images**: Delete all pictures.
- To exit without deleting the picture, press the MENU button.

3 Press ▲ or ▼ to choose **Yes** and press the 🆗 button.



- Deleted pictures cannot be recovered.
- To exit without deleting the picture, press ▲ or ▼ to select **No** and press the 🆗 button.

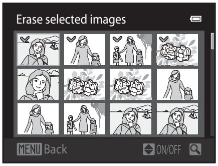
✓ Notes on Deleting Pictures

- Once deleted, pictures cannot be recovered. Transfer important pictures to a computer or other media before deleting them.
- Protected pictures cannot be deleted (📖 71).

✎ Deleting the Last Picture Taken while in Shooting Mode

In shooting mode, press the 🗑 button to delete the last picture that was saved.

Operating the Erase Selected Images Screen



1 Press the multi selector ◀ or ▶ to choose a picture to be deleted, and then press ▲ to display ✓.

- To undo the selection, press ▼ to remove ✓.
- Rotate the zoom control (📖 2) to **T** (🔍) to switch back to full-frame playback or **W** (▦) to display thumbnails.

2 Add ✓ to all pictures to be deleted and press the Ⓚ button to apply the selection.

- A confirmation dialog is displayed. Follow the onscreen instructions for more operations.

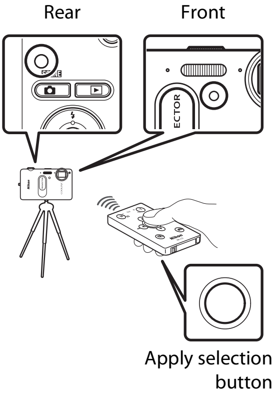
✎ Selecting Certain Types of Pictures for Deletion

When using favorite pictures mode, auto sort mode, or list by date mode, you can select pictures for deletion from an album, category, or shooting date (📖 70).

Taking Pictures with the Remote Control (Available Separately)

Use the remote control ML-L5 (available separately; 📖 4) to take pictures.

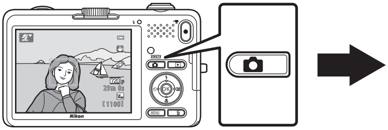
- Use a tripod or other means of stabilizing the camera. Use of a tripod is recommended during shooting with the remote control. Set **Vibration reduction** to **Off** in the setup menu (📖 98) when using a tripod to stabilize the camera during shooting.
- Point the infrared emitter of the remote control at the infrared receiver on the front or rear of the camera (📖 2, 3) and press the apply selection button. The shutter is released and a picture is saved.
- Operate the remote control at a distance of no more than 5 m (16 ft).
- Press the **T** or **W** button to activate the zoom (except during movie recording).
- The remote control can also be used in conjunction with the self-timer (📖 56). Press the apply selection button to start the self-timer. When the shutter is released, the self-timer will be set to **OFF**.

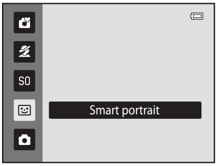


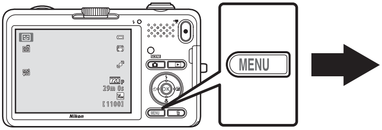
Shooting Features

This chapter describes each of the camera's shooting modes and the features that are available when using each shooting mode.

By referring to this information, you will learn how to select different shooting modes and adjust settings according to the shooting conditions and the kind of pictures you want to take.







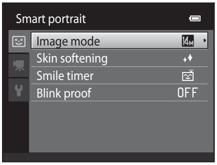
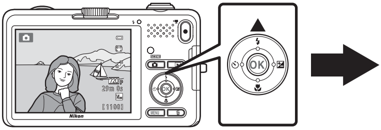

Smart portrait

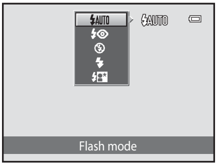
Image mode 14M

Skin softening

Smile timer

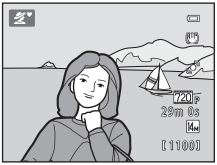
Blink proof OFF





(Easy Auto Mode)

When you frame a picture, the camera automatically selects the optimum scene, allowing you to easily take pictures using a shooting mode that suits the scene.



In the shooting screen ➔ (shooting mode) button ➔ (easy auto) mode (🕮 26, 27)

- When the camera is pointed at a subject, the camera automatically selects the optimum scene from the list below.
  - : Portrait
  - : Landscape
  - : Night portrait
  - : Night landscape
  - : Close-up
  - : Backlighting
  - : Other shooting scene
- The active focus areas change depending on the selected scene. If a human face is detected, the camera focuses on it (🕮 65).

✓ Notes on (Easy Auto) Mode

- When digital zoom is in effect, shooting mode is .
- The desired scene may not be selected in certain condition. In this case, select another shooting mode.

Changing (Easy Auto) Mode Settings

- Features that can be set using the multi selector (🕮 53) are the flash mode (🕮 54), self-timer (🕮 56), and exposure compensation (🕮 58).
- Features that can be set using the **MENU** button is image mode (the combination of image size and image quality) (🕮 61).

Scene Mode (Shooting Suited to Scenes)

Camera settings are automatically optimized for the selected subject type.

The following scene modes are available.

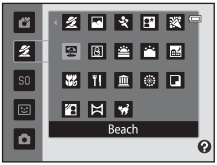
In the shooting screen ➔ 📷 (shooting mode) button ➔ (second icon from the top*) ➔ ▶ ➔ select a scene (📖 26, 27)

* The icon for the last scene mode selected is displayed. The default setting is (Portrait).

Portrait (📖 40)	Landscape (📖 40)	Sports (📖 40)	Night portrait (📖 41)
Party/indoor (📖 41)	Beach (📖 41)	Snow (📖 41)	Sunset (📖 41)
Dusk/dawn (📖 42)	Night landscape (📖 42)	Close-up (📖 42)	Food (📖 43)
Museum (📖 43)	Fireworks show (📖 43)	Black and white copy (📖 44)	Backlighting (📖 44)
Panorama assist (📖 44)	Pet portrait (📖 45)		

Displaying a Description of Each Scene Mode (Help Display)

Choose the desired scene type from the scene selection screen and rotate the zoom control (📖 2) to **T** (❓) to view a description of that scene. To return to the original screen, rotate the zoom control to **T** (❓) again.



Changing Scene Mode Settings

- You can change the settings in some scene modes by pressing ▲ (⚡), ▼ (🌷), ◀ (⏲), or ▶ (±). See “Default Settings” (📖 59) for more information.
- Features that can be set using the **MENU** button is image mode (the combination of image size and image quality) (📖 61).

Scene Mode and Features

Portrait

Use this mode for portraits.

- The camera detects a human face and focuses on it (📖 65).
- The camera smoothes skin tones by applying the skin softening function before recording pictures (📖 67).
- If no faces are detected, the camera focuses on the subject at the center of the screen.
- Digital zoom is not available.

Landscape

Use this mode for vivid landscapes and cityscapes.

- When the shutter-release button is pressed halfway, focus areas or the focus indicator (📖 8) always lights in green.

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 at the center of the frame.
- To take pictures continuously, hold down the shutter-release button. Up to 18 pictures are taken at a rate of about 0.8 frames per second (fps) when Image mode is set to 14M **4320×3240**.
- The camera continuously adjusts focus even when the shutter-release button is not pressed halfway. As a result, you may hear the sound of the lens focus motor.
- During continuous shooting, focus, exposure, and white balance are fixed at the values determined with the first picture in each series.
- The frame rate with continuous shooting may vary depending upon the current image mode setting, the memory card used, or shooting condition.

Use of a tripod is recommended in scene modes with which ⊼ is indicated. Set **Vibration reduction** to **Off** from the setup menu (📖 98) when using a tripod to stabilize the camera.

Night portrait

Use this mode for portraits taken at sunset or at night.

- The camera detects a human face and focuses on it (📖 65).
- The camera smoothes skin tones by applying the skin softening function before recording pictures (📖 67).
- If no faces are detected, the camera focuses on the subject at the center of the screen.
- Digital zoom is not available.

Party/indoor

Captures the effects of candlelight and other indoor background lighting.

- The camera focuses at the center of the frame.
- Hold the camera steadily when shooting in dark surroundings. If you use a tripod to stabilize the camera, set **Vibration reduction** to **Off** in the setup menu (📖 98).

Beach

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

- The camera focuses at the center of the frame.

Snow

Captures the brightness of sunlit snow.

- The camera focuses at the center of the frame.

Sunset

Preserves the deep hues seen in sunsets and sunrises.

- The camera focuses at the center of the frame.

Dusk/dawn

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

- When the shutter-release button is pressed halfway, focus areas or the focus indicator (📖 8) always lights in green.

Night landscape

Slow shutter speeds are used to produce stunning night landscapes.

- When the shutter-release button is pressed halfway, focus areas or the focus indicator (📖 8) always lights in green.
- Digital zoom is not available.

Close-up

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

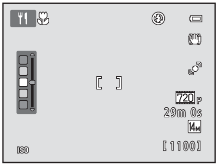
- Macro mode (📖 57) is enabled and the camera automatically zooms to the closest position at which it can focus.
- The active focus area can be moved by pressing the OK button and then pressing the multi selector ▲, ▼, ◀, or ▶. Before making any of the settings below, press the OK button to cancel the focus-area selection.
  - Flash mode
  - Self-timer
  - Exposure compensation
- The camera continuously adjusts focus even when the shutter-release button is not held down halfway. As a result, you may hear the sound of the lens focus motor.

Use of a tripod is recommended in scene modes with which is indicated. Set **Vibration reduction** to **Off** from the setup menu (📖 98) when using a tripod to stabilize the camera.

Food

Use when taking pictures of food.

- Macro mode (🕮 57) is enabled and the camera automatically zooms to the closest position at which it can focus.
- You can adjust the hue by pressing the multi selector ▲ and ▼. The selected hue adjustment setting is saved in the camera's memory even after the camera is turned off.
- The active focus area can be moved by pressing the OK button and then pressing the multi selector ▲, ▼, ◀, or ▶. Before making any of the settings below, press the OK button to cancel the focus-area selection.
  - Hue
  - Self-timer
  - Exposure compensation
- The camera continuously adjusts focus even when the shutter-release button is not held down halfway. As a result, you may hear the sound of the lens focus motor.



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.

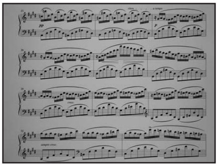
- The camera focuses at the center of the frame.
- If you hold the shutter-release button all the way down, the camera takes up to ten pictures and the sharpest picture in the series is automatically selected and saved (**BSS** (best shot selector)).

Fireworks show

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

- The camera focuses at infinity.
- When the shutter-release button is pressed halfway, focus areas or the focus indicator (🕮 8) always lights in green.

◪ Black and white copy



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

- The camera focuses at the center of the frame.
- Use with macro mode (📖 57) when shooting a subject at close distance.

Backlighting

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

- The camera focuses at the center of the frame.

⋈ Panorama assist

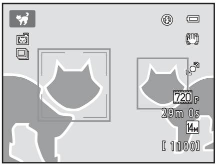
Takes a series of pictures that you can join together into a panorama on a computer.

- Select the direction in which to add pictures to the panorama by pressing multi selector ▲, ▼, ◀ or ▶, and then press the Ⓚ button.
- After taking the first picture, take the additional shots needed while checking how each picture will connect to the next. To finish shooting, press the Ⓚ button.
- Transfer the pictures to a computer and use Panorama Maker 5 (📖 74) to join them into a single panorama.
- See “Using Panorama Assist” (⚭ 2) for more information.

🐈 Pet portrait

Use this mode for taking portraits of pets (dogs or cats). When the camera detects the face of a dog or cat, it focuses on the face and automatically releases the shutter (pet portrait auto release).

- On the screen displayed when 🐈 **Pet portrait** is selected for scene mode, select **Single** or **Continuous**.
  - **Single**: The camera takes one picture at a time.
  - **Continuous** (default setting): When focus is acquired on the detected face, 3 pictures can be taken (Continuous shooting speed: about 0.5 fps when the image mode setting is 14M **4320×3240**). ⧉ icon is displayed in the monitor during shooting when **Continuous** is selected.
- A double border (focus area) is displayed around the detected face, and it turns green when the focus is acquired. Up to five faces can be detected. When the camera detects more than one face, the double border is displayed around the largest face, and single borders are displayed around the others.



- When no pet faces are detected, the shutter can be released by pressing the shutter-release button.
  - The camera focuses on the subject at the center of the frame when no pet faces are detected.
  - When **Continuous** is selected, up to 18 pictures are taken at a rate of about 0.5 fps while the shutter-release button is held down (when the image mode setting is 14M **4320×3240**).
- To change the setting whether the camera release the shutter automatically or not, press ◀ (⏲) on the multi selector.
  - **Pet portrait auto release** (default setting): The shutter is automatically released when the focus is acquired on the detected face. 🐈 icon is displayed in the monitor during shooting.
  - **Off**: The shutter is released only when the shutter-release button is pressed.
- Digital zoom is not available.
- AF-assist illuminator (🕮 99, ⚯ 69) does not light up. Button and shutter sound (🕮 99, ⚯ 70) are disabled.
- Factors such as the distance between the pet and the camera, the orientation or brightness of the face, and the speed at which the pet is moving may prevent the camera from detecting the faces of dogs or cats or may cause the camera to display borders around faces other than those of dogs or cats.
- **Pet portrait auto release** is automatically set to **Off** in the following situations.
  - When five series of images are captured using auto release
  - When there is no remaining space in the internal memory or on the memory card

  To continue using **Pet portrait auto release** to take more pictures, press the multi selector ◀ (⏲) and change the setting again.

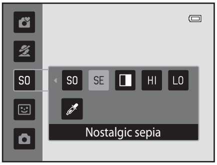
Special Effects Mode (Applying Effects When Shooting)

Effects can be applied to pictures during shooting.

In the shooting screen ➔ 📷 (shooting mode) button ➔ SO (third icon from the top*) ➔ ▶ ➔ select an effect (📖 26, 27)

* The icon of the special effect previously selected is displayed on the monitor. The default setting is SO **Soft**.

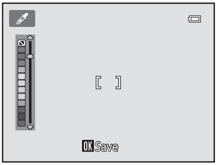
Select from the six effects listed below.



Type	Description
SO Soft	Softens the picture by adding a slight blur to the entire picture.
SE Nostalgic sepia	Adds a sepia tone and reduces the contrast to simulate the qualities of an old photograph.
◨ High-contrast monochrome	Changes the picture to black and white and gives it sharp contrast.
HI High key	Gives the entire picture a bright tone.
LO Low key	Gives the entire picture a dark tone.
✎ Selective color	Selective color creates a black and white picture in which only the specified color remains.

- When **Selective color** is selected, use the multi selector ▲ or ▼ to select the desired color from the slider. To change settings for any of the following functions, first press the ⓚ button to cancel color selection, then change the settings as desired.
  - Flash mode (📖 54)
  - Macro mode (📖 57)

  To return to the color selection screen, press the ⓚ button again.



Changing Special Effects Mode Settings

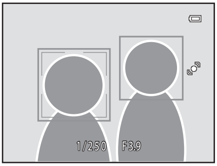
- Features that can be set using the multi selector (📖 53) are the flash mode (📖 54), self-timer (📖 56), macro mode (📖 57), and exposure compensation (📖 58).
- Features that can be set using the MENU button is image mode (the combination of image size and image quality) (📖 61).

Smart Portrait Mode (Shooting Smiling Faces)

When human smiles are detected, the camera automatically releases the shutter without you having to press the shutter-release button (smile timer), helping you capture the natural smiles of your subjects. You can also use the skin softening option to smooth the skin tones in human faces.

In the shooting screen ➔ 📷 (shooting mode) button ➔ ☺ smart portrait mode (🕮 26, 27)

1 Frame a picture and wait for the subject to smile without pressing the shutter-release button.



- When the camera detects a human face, a yellow double border (focus area) is displayed around that face. When the camera has focused on that face, the double border will turn green for a moment and focus is locked.
- Up to three faces can be detected. When the camera detects more than one face, a double border is displayed around the face closest to the center of the frame, and single borders are displayed around the other faces.
- If the camera detects that the face framed by the double border is smiling, **Smile timer** (🕮 49) is activated and the shutter is automatically released.
- Each time the shutter is released, the camera again initiates face detection and smile detection operations for continuous automatic shooting.

2 Stop shooting.

- To stop automatic shooting of smiling faces, perform the followings.
  - Turn the camera off.
  - Set **Smile timer** (🕮 49) to **Off**.
  - Press the 📷 button and select other shooting mode.

Notes on Smart Portrait Mode

- Digital zoom is not available.
- Under some shooting conditions, the camera may be unable to detect faces or smiles.
- See “Notes on Face Detection Function” (🕮 66) for more information.

Note on Using the Remote Control ML-L5 (Available Separately)

When **Smile timer** is set to **On** in smart portrait mode and the camera detects a face, the remote control cannot be used.

Auto Off in Smile Timer Mode

When **Smile timer** is set to **On**, the auto off function (🕮 100) is activated and the camera turns off when either of the situations indicated below persists and no other operations are performed.

- The camera does not detect any faces.
- The camera detected a face, but cannot detect a smile.

Self-timer Lamp

The self-timer lamp blinks when the smile timer is enabled and the camera detects a face, and it blinks quickly immediately after the shutter is released.

Releasing the Shutter Manually

Pictures can also be taken by pressing the shutter-release button. If no faces are detected, the camera focuses on the subject at the center of the frame.

Changing Smart Portrait Mode Settings

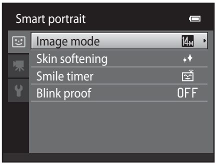
- Features that can be set using the multi selector (🕮 53) are the flash mode (🕮 54), self-timer (🕮 56), and exposure compensation (🕮 58).
- See "Smart Portrait Menu Options" (🕮 49) for more information about functions that can be set using the MENU button.

Functions That Cannot Be Used Simultaneously

There are functions with which this setting cannot be enabled. See "Features That Cannot Be Applied Simultaneously" (🕮 63) for more information.

Smart Portrait Menu Options

In smart portrait mode, the following options can be changed.



Smart portrait

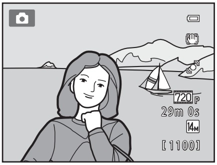
Image mode	14M
Skin softening	
Smile timer	
Blink proof	OFF

In the smart portrait mode shooting screen → MENU button → ☺ tab (🕮 12)

Option	Description	🕮
Image mode	Allows you to select the combination of image size and image quality used when saving pictures. If you change the image mode setting, the new setting is applied to all shooting modes.	61
Skin softening	Enable skin softening. The camera softens facial skin tones by applying the skin softening function before saving pictures. You can select the amount of effect that is applied. The default setting is **Normal**.	∞ 36
Smile timer	When **On** is selected, the camera uses face detection to detect a human face, and then automatically releases the shutter whenever a smile is detected. The self-timer cannot be used with this feature.	∞ 36
Blink proof	When **On** is selected, the camera automatically releases the shutter twice each time a picture is taken. Of the two shots, one in which the subject's eyes are open is saved. Flash cannot be used when **On** is selected. The default setting is **Off**.	∞ 36

Using 📷 (Auto) Mode

📷 (auto) mode is useful for general photography, and it allows you to customize a variety of settings to suit the shooting conditions and the type of shot you want to capture (🕮 51).



In the shooting screen ➔ 📷 (shooting mode) button ➔ 📷 (auto) mode (🕮 26, 27)

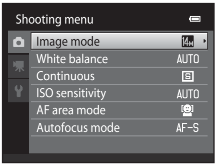
- You can set the active focus area by pressing the MENU button, selecting the 📷 tab, and setting **AF area mode**. The default setting is **Face priority**.
- **AF area mode** in the shooting menu is set to **Face priority** (default setting) the camera focuses on the subject as follows:
  - If the camera detects a human face, the camera automatically focuses on it (see “Face Detection” (🕮 65) for more information).
  - When a face is not detected, the camera automatically selects the focus area (up to nine areas) containing the subject closest to the camera. When the subject is in focus, the focus area that is selected glows green.

Changing 📷 (Auto) Mode Settings

- Features that can be set using the multi selector (🕮 53) are the flash mode (🕮 54), self-timer (🕮 56), macro mode (🕮 57), and exposure compensation (🕮 58).
- See “Shooting Menu Options in 📷 (Auto) Mode” (🕮 51) for more information about functions that can be set using the MENU button.

Shooting Menu Options in 📷 (Auto) Mode

In 📷 (auto) mode, the following options can be changed.



Shooting menu

Image mode	14M
White balance	AUTO
Continuous	S
ISO sensitivity	AUTO
AF area mode	☺
Autofocus mode	AF-S

In the 📷 (Auto) mode shooting screen → MENU button → 📷 tab (📖 12)

Option	Description	📖
Image mode	Allows you to select the combination of image size and image quality used when saving pictures. The default setting is 14M **4320×3240**. This setting is applied to other shooting modes.	61
White balance	Allows you to adjust the colors in the picture to suit the light source, which can make colors appear as they do to the eye. Although **Auto** (default setting) can be used under most types of lighting, white balance can be adjusted to suit the sky conditions or light source and achieve more natural color tones in the picture. • Set the flash to ⊛ (Off) when white balance is set to any setting other than **Auto** and **Flash**.	🔍 37
Continuous	Allows you to select from continuous settings of **Single**, **Continuous**, **BSS** (📖 43), or **Multi-shot 16**. The default setting is **Single** (i.e., only one picture is captured at a time). In **Continuous**, while the shutter-release button is held down, up to 18 pictures are taken at a rate of about 0.8 frames per second (fps) when Image mode is set to 14M **4320×3240**.	🔍 39
ISO sensitivity	Higher ISO sensitivity allows you to shoot in lower light conditions and thus take pictures of darker subjects. Additionally, even with subjects of similar brightness, pictures can be taken at faster shutter speeds, and blurring caused by camera shake and subject movement can be reduced. When ISO sensitivity is set to **Auto** (default setting), the camera sets the ISO sensitivity automatically. If **Auto** is selected and the ISO sensitivity is raised automatically, the ISO icon is displayed in the shooting screen (📖 8).	🔍 41

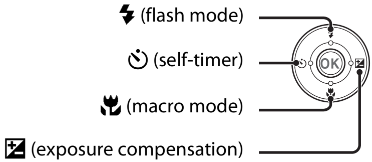
Option	Description	📖
AF area mode	Allows you to select how the camera determines the focus area for autofocus, from **Face priority** (default setting), **Auto**, **Manual**, **Center**, or **Subject tracking**.	⚯ 42
Autofocus mode	When **Single AF** (default setting) is selected, the camera focuses only while the shutter-release button is pressed halfway. When **Full-time AF** is selected, the camera focuses even when the shutter-release button is not pressed halfway. You may hear the sound of the camera focusing.	⚯ 45

Functions That Cannot Be Used Simultaneously

There are functions with which this setting cannot be enabled (📖 63).

Features That Can Be Set Using the Multi Selector

The following shooting functions can be set by pressing the multi selector ▲ (⚡), ▼ (🌷), ◀ (⏲), or ▶ (±).



Functions Available for Each Shooting Mode

The functions that can be set vary depending on the shooting mode, as shown below.

- See "Default Settings" (📖 59) for more information.

Functions	📷 Easy auto mode	Scene	Special effects	Smart portrait	📷 Auto mode
Flash mode (📖 54)	✓	[1]	✓	✓[2]	✓
Self-timer (📖 56)	✓		✓	✓[2]	✓
Macro (📖 57)	–		✓	–	✓
Exposure compensation (📖 58)	✓		✓	✓	✓

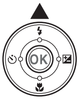
[1] Available function depends on scene mode.

[2] Available function depends on smart portrait menu settings.

Using the Flash (Flash Modes)

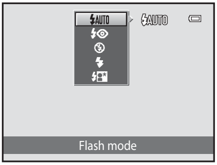
The flash mode can be set to match the shooting conditions.

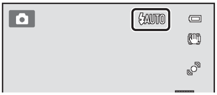
1 Press the multi selector ▲ (⚡ flash mode).



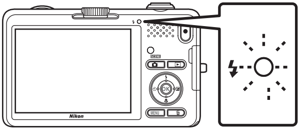
2 Press the multi selector ▲ or ▼ to choose the desired flash mode and press the OK button.

- See "Available Flash Modes" (📖 55) for more information.
- If a setting is not applied by pressing the OK button within a few seconds, the selection will be canceled.
- When ⚡AUTO (auto) is applied, ⚡AUTO is only displayed for a few seconds, regardless of **Photo info** settings (⚭ 64).





3 Frame the subject and take a picture.



- The flash lamp indicates flash status when the shutter-release button is pressed halfway.
  - On: The flash will fire when you press the shutter-release button all the way down.
  - Blinks: Flash charging. Wait a few seconds and try again.
  - Off: Flash will not fire when picture is taken.
- If the battery is low, the monitor will turn off, and remain off, while the flash charges.

Effective Range of the Flash

When ISO sensitivity is set to Auto, the flash has a range of 0.3–4.5 m (1 ft–14 ft) at the maximum wide-angle zoom position and a range of 0.5–3.5 m (1 ft 8 in.–11 ft) at the maximum telephoto zoom position.

Available Flash Modes

⚡AUTO	Auto	Flash fires automatically when lighting is dim.
⚡◉	Auto with red-eye reduction	Suited to pictures of people. This option reduces the “red-eye” phenomenon that caused by the use of flash.
⊘	Off	Flash will not fire even when lighting is dim. We recommend using a tripod to stabilize the camera when shooting in dim lighting.
⚡	Fill flash	Flash fires whenever a picture is taken. Use to “fill-in” (illuminate) shadows and backlit subjects.
⚡★	Slow sync	Auto flash mode is combined with slow shutter speed. Suited to evening and night portraits that include background scenery. Flash illuminates main subject; slow shutter speeds are used to capture background at night or under dim lighting.

✎ The Flash Mode Setting

- The default flash mode setting varies with shooting mode.
  - See “Default Settings” (📖 59).
  - “Features That Can Be Set Using the Multi Selector” (📖 53).
- Some flash settings cannot be used with other functions. See “Features That Cannot Be Applied Simultaneously” (📖 63) for more information.
- The flash mode setting applied in 📷 (auto) mode is stored in the camera’s memory even after the camera is turned off.

✎ Red-eye Reduction

This camera uses advanced red-eye reduction (“In-Camera Red-Eye Fix”).

To reduce red-eye, a series of low-intensity pre-flashes fire before the main flash. In addition, if the camera detects red-eye when a picture is taken, the affected area is processed to reduce red-eye before the picture is saved.

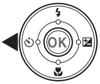
Note the following when shooting:

- Due to the pre-flashes, there is a longer than usual interval between the time the shutter-release button is pressed and the time the shutter is released.
- More time than usual is required to record pictures.
- Red-eye reduction may not produce the desired results in some situations.
- In extremely rare instances, areas not subject to red-eye may be affected by red-eye reduction processing; in these cases, choose another flash mode and try again.

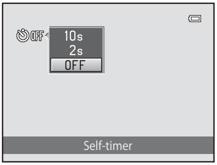
Using the Self-timer

The camera is equipped with a ten-second and two-second timer for self-portraits. This feature is useful for reducing the effects of camera shake that occurs when pressing the shutter-release button. When using the self-timer, use of a tripod is recommended. Set **Vibration reduction** to **Off** from the setup menu (📖 98) when using a tripod to stabilize the camera.

1 Press the multi selector ◀ (⏲ self-timer).



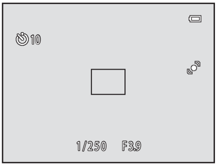
2 Press the multi selector ▲ or ▼ to choose **10s** or **2s** and press the OK button.



- **10s** (ten seconds): Use on important occasions, such as weddings
- **2s** (two seconds): Use to prevent camera shake
- The mode selected for self-timer is displayed.
- If a setting is not applied by pressing the OK button within a few seconds, the selection will be canceled.
- When the shooting mode is set to **Pet portrait** scene mode, 🐱 (Pet portrait auto release) is displayed (📖 45). The self-timer settings **10s** and **2s** cannot be used.

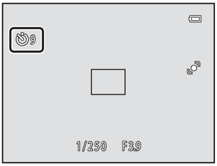
3 Frame the picture and press the shutter-release button halfway.

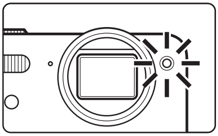
- Focus and exposure will be set.



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

- The self-timer starts, and the number of seconds remaining before the shutter is released is displayed in the monitor. The self-timer lamp blinks while the timer is counting down. About one second before the shutter is released, the lamp stops blinking and glows steadily.
- 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.



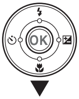


Using Macro Mode

When using macro mode, the camera can focus on objects as close as 3 cm (1.2 in.) from the front of the lens. This feature is useful when taking close-up pictures of flowers and other small subjects.

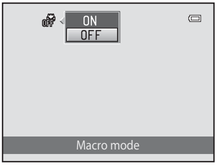
---

1 Press the multi selector ▼ (🌷 macro mode).



---

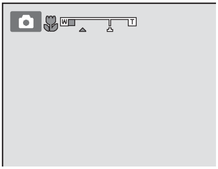
2 Press the multi selector ▲ or ▼ to choose **ON** and press the 🆗 button.



- The macro mode icon (🌷) is displayed.
- If the setting is not applied by pressing the 🆗 button within a few seconds, the selection will be canceled.

---

3 Rotate the zoom control to set the zoom ratio to a position where 🌷 and the zoom indicator glow green.



- The closest possible shooting distance may vary according to the zoom position.
- The camera can focus at distance of 9 cm (3.5 in.) at the zoom position at which 🌷 and the zoom indicator glow green. When the zoom indicator is positioned to the left (wider angle) of △, the camera can focus on subjects as close as 3 cm (1.2 in.) from the lens

✓ Note on Using the Flash

The flash may be unable to light the entire subject at distances of less than 50 cm (1 ft 8 in.).

✎ Note on Autofocus

When using macro mode in the 📷 (auto) mode, you can focus without pressing the shutter-release button halfway by setting **Autofocus mode** (🕮 52) in the shooting menu (🕮 51) to **Full-time AF**. When using other shooting modes, **Full-time AF** is turned on automatically when macro mode is turned on. You may hear the sound of the camera focusing.

✎ The Macro Mode Setting

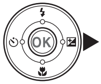
- Macro mode cannot be used when using certain shooting modes. See “Features That Can Be Set Using the Multi Selector” (🕮 53) for more information.
- The macro mode setting applied in 📷 (auto) mode is stored in the camera’s memory even after the camera is turned off.

Adjusting Brightness (Exposure Compensation)

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

---

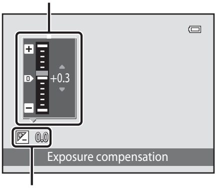
1 Press the multi selector ▶ (± exposure compensation).



2 Press the multi selector ▲ or ▼ to select a compensation value.

- To make the picture brighter, apply positive (+) exposure compensation.
- To make the picture darker, apply negative (–) exposure compensation.
- A specific exposure compensation value is applied when selected.

Exposure compensation guide



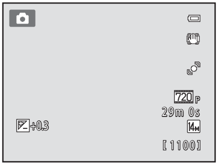
Exposure compensation value

3 Press the OK button.

- When an exposure compensation value other than **0.0** is applied, the value is displayed with the ± indicator in the monitor.

4 Press the shutter-release button to take a picture.

- To exit without altering exposure, return to step 1, change the value to **0.0** and press the OK button.



Exposure Compensation Value

The exposure compensation value applied in 📷 (auto) mode is stored in the camera's memory even after the camera is turned off.

Default Settings

The default settings for each function in each shooting mode are described below.

- See the next page for information about the default settings in the scene modes.

	Flash (📖 54)	Self-timer (📖 56)	Macro (📖 57)	Exposure compensation (📖 58)
📷 (easy auto)	⚡AUTO[1]	Off	Off[2]	0.0
SO (Special effects)	⊘	Off	Off	0.0
☺ (Smart portrait)	⚡AUTO[3]	Off[4]	Off[5]	0.0
📷 (auto)	⚡AUTO	Off	Off	0.0

[1] ⚡AUTO (auto) or ⊘ (off) can be selected. When ⚡AUTO (auto) is selected, the camera automatically selects the flash mode appropriate for the scene it has been selected.

[2] The setting cannot be changed.

[3] Cannot be used when **Blink proof** is set to **On**.

[4] Can be set when **Smile timer** is set to **Off**.

[5] The setting cannot be changed.

The setting applied in 📷 (auto) mode is saved in the camera's memory even after the camera is turned off (except the self-timer setting).

The default settings for each function in scene mode are described below.

	Flash (📖 54)	Self-timer (📖 56)	Macro (📖 57)	Exposure compensation (📖 58)
👤 (📖 40)	⚡◉	Off	Off[1]	0.0
🏞 (📖 40)	⊘[1]	Off	Off[1]	0.0
🏃 (📖 40)	⊘[1]	Off[1]	Off[1]	0.0
🌃 (📖 41)	⚡◉[2]	Off	Off[1]	0.0
🎉 (📖 41)	⚡◉[3]	Off	Off[1]	0.0
🏖 (📖 41)	⚡AUTO	Off	Off[1]	0.0
⛄ (📖 41)	⚡AUTO	Off	Off[1]	0.0
🌅 (📖 41)	⊘[1]	Off	Off[1]	0.0
🌄 (📖 42)	⊘[1]	Off	Off[1]	0.0
🌆 (📖 42)	⊘[1]	Off	Off[1]	0.0
🌷 (📖 42)	⊘	Off	On[1]	0.0
🍴 (📖 43)	⊘[1]	Off	On[1]	0.0
🏛 (📖 43)	⊘[1]	Off	Off	0.0
🎆 (📖 43)	⊘[1]	Off[1]	Off[1]	0.0[1]
◪ (📖 44)	⊘	Off	Off	0.0
⛅ (📖 44)	⚡[1]	Off	Off[1]	0.0
⧖ (📖 44)	⊘	Off	Off	0.0
🐈 (📖 45)	⊘[1]	🐱[4]	Off	0.0

[1] Cannot be modified.

[2] Cannot be modified. Fix to the fill flash with slow sync and red-eye reduction.

[3] Slow sync with red-eye reduction flash mode may be used.

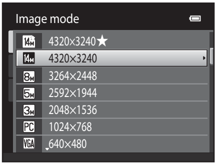
[4] Self-timer is disabled. **Pet portrait auto release** (📖 45) can be set to **On** or **Off**.

Functions That Cannot Be Used Simultaneously

There are functions with which these settings cannot be enabled (📖 63).

Changing the Image Size (Image Mode)

In the shooting screen ➔ MENU button ➔ Shooting menu ➔ Image mode



You can use the **Image mode** setting in the shooting menu to select the combination of image size and compression rate that is used when saving pictures.

Choose the image mode best suited to the manner in which pictures will be used and the capacity of the internal memory or memory card. The higher the image mode setting, the larger the size at which it can be printed, but limiting the number of pictures that can be recorded.

Image Mode Settings (Image Size and Quality)

Option*	Size (pixels)	Description
14M★ 4320×3240★	4320 × 3240	Higher quality than 14M, suitable for enlargements or high-quality prints. The compression ratio is approximately 1:4.
14M 4320×3240 (default setting)	4320 × 3240	Best choice in most situations. The compression ratio is approximately 1:8.
8M 3264×2448	3264 × 2448	
5M 2592×1944	2592 × 1944	
3M 2048×1536	2048 × 1536	Smaller size than 14M, 8M, or 5M allows more pictures to be stored. The compression ratio is approximately 1:8.
PC 1024×768	1024 × 768	Suited to display on a computer monitor. The compression ratio is approximately 1:8.
VGA 640×480	640 × 480	Suited to full-screen display on a television with an aspect ratio of 4:3, or distribution by e-mail. The compression ratio is approximately 1:8.
16:9 10M 4224×2376	4224 × 2376	Pictures with an aspect ratio of 16:9 are recorded. The compression ratio is approximately 1:8.

* The total number of pixels recorded, and the number of pixels recorded horizontally and vertically.
Example: 14M **4320×3240** = Approx. 14 megapixels, 4320 × 3240 pixels

The icon for the current setting is displayed in the monitor in shooting and playback modes (📖 8, 9).

Image Mode

- Change made to this setting applies to all shooting modes.
- There are functions with which this setting cannot be enabled. See “Features That Cannot Be Applied Simultaneously” (🕮 63) for more information.

Number of Exposures Remaining

The following table lists the approximate number of pictures that can be stored in internal memory and on a 4 GB 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 vary depending on the make of memory card, even when the memory cards have the same specified capacity.

Image mode	Internal memory (approx. 94 MB)	Memory card[1] (4 GB)	Print size[2] (cm/in.)
14M★ 4320×3240★	14	550	Approx. 36 × 27/14 × 10.5
14M 4320×3240	27	1100	Approx. 36 × 27/14 × 10.5
8M 3264×2448	48	1910	Approx. 28 × 21/11 × 8
5M 2592×1944	74	2940	Approx. 22 × 16/8.5 × 6.5
3M 2048×1536	116	4640	Approx. 17 × 13/7 × 5
PC 1024×768	378	15000	Approx. 9 × 7/3.5 × 2.5
VGA 640×480	673	24100	Approx. 5 × 4/2 × 1.5
16:9 10M 4224×2376	38	1290	Approx. 35 × 20/14 × 8

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

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

Features That Cannot Be Applied Simultaneously

Some shooting settings cannot be used with other functions.

Restricted function	Setting	Descriptions
Flash mode	Continuous (🕮 51)	When **Continuous**, **BSS**, or **Multi-shot 16** is selected, flash is disabled.
	Blink proof (🕮 49)	When **On** is selected for **Blink proof**, flash is disabled.
Self-timer	Smile timer (🕮 49)	When **Smile timer** is selected, self-timer is disabled.
	AF area mode (🕮 52)	When **Subject tracking** is selected, self-timer is disabled.
Macro mode	AF area mode (🕮 52)	When **Subject tracking** is selected, macro mode is disabled.
Image mode	Continuous (🕮 51)	When **Multi-shot 16** is selected, the **Image mode** setting is fixed at 5M (image size: 2560 × 1920 pixels).
	ISO sensitivity (🕮 51)	When **3200** or **6400** is selected for **ISO sensitivity**, the image mode setting of only 3M **2048×1536**, PC **1024×768**, or VGA **640×480** can be selected. If any image mode setting other than above is selected, the image mode setting is automatically changed to 3M **2048×1536** when **ISO sensitivity** is set to **3200** or **6400**.
Continuous	Self-timer (🕮 56)	When using the self-timer, the continuous setting is fixed to **Single**.
ISO sensitivity	Continuous (🕮 51)	When **Multi-shot 16** is selected, the **ISO sensitivity** setting is automatically specified according to the brightness.
Print date	Continuous (🕮 51)	When **Continuous** or **BSS** is selected, shooting date cannot be imprinted on the picture.
	Blink proof (🕮 49)	When **On** is selected, **Print date** is disabled.

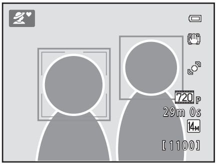
Restricted function	Setting	Descriptions
Motion detection	Continuous (📖 51)	When **Multi-shot 16** is selected, **Motion detection** is not enabled.
	ISO sensitivity (📖 51)	When a setting other than **Auto** is selected for ISO sensitivity, **Motion detection** is disabled.
Blink warning	Continuous (📖 51)	When **Continuous**, **BSS**, or **Multi-shot 16** is selected, Blink warning is disabled.
Digital zoom	Continuous (📖 51)	When **Multi-shot 16** is selected, digital zoom is not available.
	AF area mode (📖 52)	When **Subject tracking** is selected, digital zoom is disabled.

☑ Notes on Digital Zoom

- Digital zoom cannot be used with some settings and shooting modes (⚭ 69).
- When digital zoom is in effect, the camera focuses at the center of the frame.

Face Detection

When the camera is pointed at a human face in the shooting modes listed below, the camera automatically detects the face and focuses on it. When the camera detects more than one face, the double border (focus area) is displayed around the face that is focused on, and single borders around the others.



Shooting mode	Number of faces that can be detected	Focus area (double border)
📷♥ (easy auto) mode (🕮 38)	Up to 12	The face closest to the camera
Portrait (🕮 40) or **Night portrait** (🕮 41) in scene mode (🕮 39)		
When AF area mode (🕮 52) is set to **Face priority** (⚯ 42) in 📷 (auto) mode.		
Smart portrait mode (🕮 47)	Up to 3	The face closest to the center of the frame

- In 📷♥ (easy auto) mode, the camera changes focus areas depending on the scene that it automatically selects.
- If no faces are detected when the shutter-release button is pressed halfway in **Portrait** or **Night portrait** scene mode or smart portrait mode, the camera will focus on the subject at the center of the frame.
- In **Face priority**, if you press the shutter-release button halfway while no faces are detected, the camera selects the focus area (up to nine areas) containing the subject closest to the camera.

Notes on Face Detection Function

- The camera's ability to detect faces depends on a variety of factors, including whether or not the subject is facing the camera. The camera may be unable to detect faces in the following situations:
  - When faces are partially hidden by sunglasses or otherwise obstructed
  - When faces take up too much or too little of the frame
- When the frame includes more than one face, the faces detected by the camera and the face on which the camera focuses depend upon a variety of factors, including the direction in which the faces are looking.
- In some rare cases, the subject may not be in focus despite the fact that the double border glows green (🕮 31). Should this occur, switch to 📷 (auto) mode and set **AF area mode** to **Manual** or **Center**. Try refocusing on another subject positioned at the same distance from the camera as the actual portrait subject (🕮 68).

Viewing Pictures That Were Taken Using Face Detection

- When pictures in which a face was detected during shooting are played back, the pictures will be automatically rotated for playback display according to the orientation of the face detected except pictures taken using **Continuous**, **BSS**, or **Multi-shot 16** (🕮 51, ⚯ 39).
- In full-frame playback mode, the picture will be enlarged with the face detected during shooting (🕮 33) at the center of the monitor when the zoom control is rotated to **T** (🔍) except pictures that were taken using **Continuous**, **BSS**, and **Multi-shot 16** (🕮 51, ⚯ 39).

Skin Softening

In the shooting modes listed below, the camera detects up to three human faces when the shutter is released, and processes the picture to soften facial skin tones before saving the picture.

- 📷 (easy auto) mode
- **Portrait** (📖 40) or **Night portrait** (📖 41) scene mode
- Smart portrait mode

Editing functions such as **Skin softening** can be applied to saved pictures by using **Glamour retouch** (📖 71).

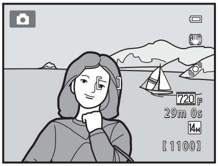
✓ Notes on the Skin Softening Function

- More time than usual may be required to save a picture when shooting with skin softening function.
- In some shooting conditions, facial skin tones may not be smoothed or parts other than faces may be modified. If the desired results are not produced, switch the camera to other shooting mode or set **Skin softening** to **Off** in smart portrait mode, and shoot again.
- The skin softening level cannot be adjusted when the portrait or night portrait is selected in the scene mode, or when the camera switches to portrait or night portrait in 📷 (easy auto) mode.

Focus Lock

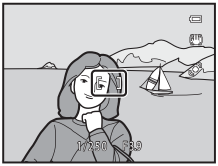
Use focus lock to focus on off-center subjects when center is selected for AF area mode. To focus on off-center subjects when **Center** is selected for **AF area mode** in the shooting menu (📖 51) in 📷 (auto) mode, use focus lock as described below.

1 Position the subject in the center of the frame.



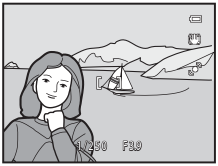
2 Press the shutter-release button halfway.

- The camera focuses on the subject and the focus area glows green.
- Focus and exposure are locked.



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

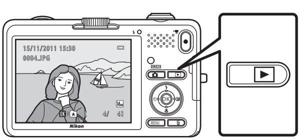
- Be sure that the distance between the camera and the subject does not change.

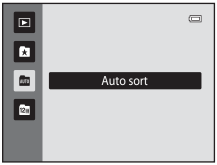


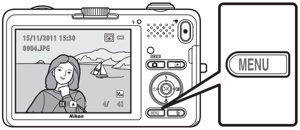
4 Press the shutter-release button the rest of the way down to take the picture.

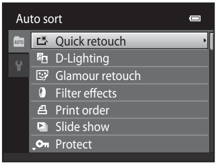
Playback Features

This chapter describes how to select certain types of pictures for playback as well as some of the features available when playing back pictures.









Selecting Certain Types of Pictures for Playback

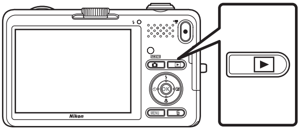
You can change the playback mode according to the type of pictures you want to view.

Available Playback Modes

▶	Play	🕮 32
	All pictures are played back. When you switch from shooting mode to playback mode, this mode is selected.	
★	Favorite pictures	⊶ 4
	Only pictures added to albums are played back. Pictures should be added to albums before selecting this mode (🕮 7).	
AUTO	Auto sort	⊶ 7
	Pictures are automatically sorted in to categories, such as portraits, landscapes, and movies. You can play back pictures in a specific category only.	
12	List by date	⊶ 9
	Only pictures captured on the same date are played back.	

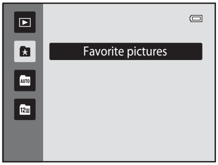
Switching Between Playback Modes

1 Press the ▶ button in full-frame or thumbnail playback mode.



- The screen used to select a playback mode (the playback-mode selection menu) is displayed.

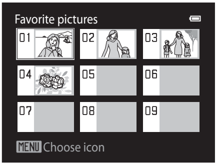
2 Use the multi selector ▲ or ▼ to select a playback mode and press the ⓚ button.



- If you select **Play**, the playback screen is displayed.
- When an option other than **Play** is selected, the album, category or shooting date selection screen is displayed.
- To return to the current playback mode without switching playback modes, press the ▶ button.

3 Select an album, category or shooting date and press the ⓚ button.

- ★ "Favorite Pictures Mode" (⊶ 4)
- AUTO "Auto Sort Mode" (⊶ 7)
- 12 "List by Date Mode" (⊶ 9)
- Repeat the procedure from step 1 to select an album, category or shooting date again.



Favorite pictures

Functions Available in Playback Mode (Playback Menu)

In the playback screen → MENU button → ▶ tab, ★ tab, AUTO tab, or 12 tab

When viewing pictures in full-frame playback mode or thumbnail playback mode, you can configure the following functions by pressing the MENU button to display the menu, and then selecting the ▶ tab, ★ tab, AUTO tab, or 12 tab (📖 12).

Item	Description	📖
Quick retouch[1]	Easily create retouched copies in which contrast and saturation have been enhanced.	E 12
D-Lighting[1]	Enhances brightness and contrast in dark portions of pictures.	E 13
Glamour retouch[1]	Make facial skin tone softer and make faces look smaller with larger eyes.	E 14
Filter effects[1]	Apply a variety of effects using digital filter. The available effects are **Color options**, **Soft**, **Selective color**, **Cross screen**, **Fisheye**, and **Miniature effect**.	E 16
Print order[2, 3]	When using a printer to print pictures saved on the memory card, you can use the **Print order** function to select which pictures are printed, and how many copies of each picture are printed.	E 46
Slide show[2, 3]	View pictures stored in the internal memory or on a memory card in an automatic slide show.	E 50
Protect[2, 3]	Protect selected pictures from accidental deletion.	E 52
Rotate image[3]	Specifies the orientation in which saved pictures are displayed with playback.	E 54
Small picture[1]	Create a small copy of the current picture. This feature is useful for creating copies for display on Web pages or e-mail attachments.	E 18
Voice memo	Record voice memos using the camera's built-in microphone and attach them to pictures. Voice memo can also be played back and deleted.	E 55
Copy[4]	Copy files between memory card and internal memory.	E 57

[1] The selected picture is edited, and the copy is saved with a different file name. Pictures taken, or movies at an image mode setting of **4224×2376** (E 10) cannot be edited. Once an picture has been edited, some editing functions may become unavailable (E 11).

[2] When using list by date mode, press the MENU button from the list of dates screen (E 9) to apply the same function to all pictures captured on the selected date.

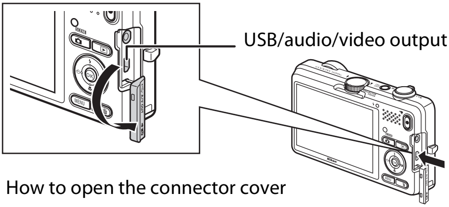
[3] This function is available when the projector is in operation (📖 88).

[4] This function is not available when using favorite pictures mode, auto sort mode, or list by date mode.

Connecting the Camera to a Television, Computer, or Printer

You can enhance your enjoyment of images and movies by connecting the camera to a TV, computer, or printer.

- Before connecting the camera to an external device, make sure the remaining battery level is sufficient and the camera is turned off. For information about the connection methods and subsequent operations, refer to the documentation included with the device in addition to this document.

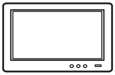


USB/audio/video output connector

Insert the plug straight.

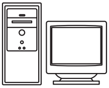
How to open the connector cover

Viewing images on a TV E 21



You can view the camera's images and movies on a TV.
Connection method: Connect the video and audio plugs of the Audio Video Cable EG-CP16 (available separately) to the TV's input jacks.

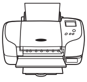
Viewing and organizing images on a computer 📖 73



If you transfer images to a computer, you can perform simple retouching and manage image data in addition to playing back images and movies.
Connection method: Connect the camera to the computer's USB input jack with the included USB Cable UC-E6.

- Before connecting to a computer, install ViewNX 2 on the computer using the included ViewNX 2 Installer CD-ROM. For information about using the ViewNX 2 Installer CD-ROM and transferring images to a computer, see page 75.
- If any USB devices that draw the power from the computer are connected, disconnect them from the computer before you connect the camera to it. Connecting the camera and other USB-powered devices to the same computer simultaneously may cause a camera malfunction or excessive power supply from the computer, which could damage the camera or memory card.

Printing images without using a computer E 22



If you connect the camera to a PictBridge-compatible printer, you can print images without using a computer.
Connection method: Connect the camera directly to the printer's USB input jack with the included USB Cable UC-E6.

Using ViewNX 2

ViewNX 2 is an all-in-one software package which enables you to transfer, view, edit and share images.

Install ViewNX 2 using the ViewNX 2 Installer CD-ROM.

Installing ViewNX 2

- An Internet connection is required.

Compatible Operating Systems

Windows

- Windows 7 Home Basic/Home Premium/Professional/Enterprise/Ultimate
- Windows Vista Home Basic/Home Premium/Business/Enterprise/Ultimate (Service Pack 2)
- Windows XP Home Edition/Professional (Service Pack 3)

Macintosh

- Mac OS X (version 10.5.8, 10.6.7)

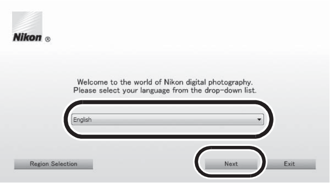
Refer to the Nikon website for the latest information on operating system compatibility.

1 Start the computer and insert the ViewNX 2 Installer CD-ROM into the CD-ROM drive.

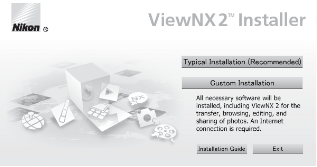
- Mac OS: When the **ViewNX 2** window is displayed, double-click the **Welcome** icon.

2 Select a language in the language selection dialog to open the installation window.

- If the desired language is not available, click **Region Selection** to choose a different region and then choose the desired language (the **Region Selection** button is not available in the European release).
- Click **Next** to display the installation window.



Welcome to the world of Nikon digital photography.
Please select your language from the drop-down list.



All necessary software will be installed, including ViewNX 2 for the transfer, browsing, editing, and sharing of photos. An Internet connection is required.

3 Start the installer.

- We recommend clicking **Installation Guide** in the installation window to check the installation help information and system requirements before installing ViewNX 2.
- Click **Typical Installation (Recommended)** in the installation window.

4 Download the software.

- When the **Software Download** screen is displayed, click **I agree - Begin download**.
- Follow the on-screen instructions to install the software.

5 Exit the installer when the installation completion screen is displayed.

- Windows: Click **Yes**.
- Mac OS: Click **OK**.

The following software is installed:

- ViewNX 2 (consisting of the three modules below)
  - Nikon Transfer 2: For transferring images to the computer
  - ViewNX 2: For viewing, editing, and printing transferred images
  - Nikon Movie Editor: For basic editing of transferred movies
- Panorama Maker 5 (for creating a single panorama photo using a series of images shot in panorama assist scene mode)
- QuickTime (Windows only)

6 Remove the ViewNX 2 Installer CD-ROM from the CD-ROM Drive.

Transferring Images to the Computer

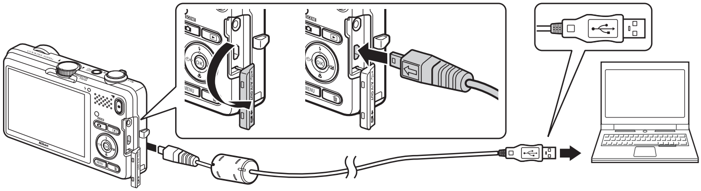
When transferring pictures to the computer from the camera, select the **Interface** setting (🕮 100) from the setup menu (🕮 98) and set the **USB** option to **MTP/PTP** (default setting).

---

1 Choose how images will be copied to the computer.

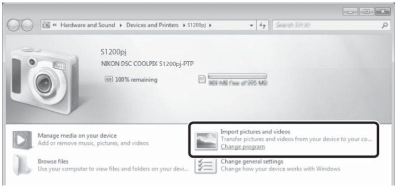
Choose one of the following methods:

- **Direct USB connection**: Turn the camera off and ensure that the memory card is inserted in the camera. Connect the camera to the computer using the supplied USB Cable UC-E6. The camera automatically turns on.



- **SD card slot**: If your computer is equipped with an SD card slot, the card can be inserted directly in the slot.
- **SD card reader**: Connect a card reader (available separately from third-party suppliers) to the computer and insert the memory card.

If a message is displayed prompting you to choose a program, select Nikon Transfer 2.


« Hardware and Sound ▸ Devices and Printers ▸ S1200pj ▸
S1200pj
NIKON DSC COOLPIX S1200pj-PTP
100% remaining
Manage media on your device
Add or remove music, pictures, and videos
Browse files
Use your computer to view files and folders on your devi...
Import pictures and videos
Transfer pictures and videos from your device to your co...
Change program
Change general settings
Change how your device works with Windows

- **When using Windows 7**
  If the dialog shown at right is displayed, follow the steps below to select Nikon Transfer 2.
  1. Under **Import pictures and videos**, click **Change program**. A program selection dialog will be displayed; select **Import File using Nikon Transfer 2** and click **OK**.
  2. Double-click **Import File**.

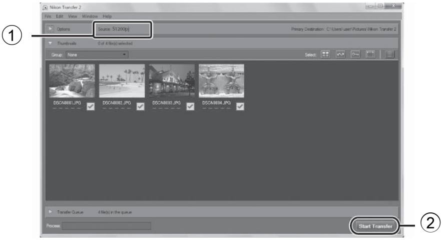
If the memory card contains a large number of images, it may take a while for Nikon Transfer 2 to start. Wait until Nikon Transfer 2 starts.

✓ Connecting the USB Cable

The connection may not be recognized if the camera is connected to the computer via a USB hub.

2 Transfer images to the computer.

- Confirm that the name of the connected camera or removable disk is displayed in the “Source” panel in the Nikon Transfer 2 “Options” area (①).
- Click **Start Transfer** (②).



- At default settings, all the images on the memory card will be copied to the computer.

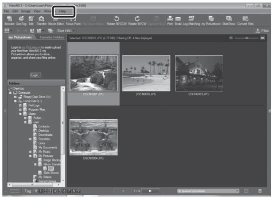
3 Terminate the connection.

- If the camera is connected to the computer and turn the camera off, then disconnect the USB cable. If you are using a card reader or card slot, choose the appropriate option in the computer operating system to eject the removable disk corresponding to the memory card and then remove the card from the card reader or card slot.

Viewing Images

Start ViewNX 2.

- Images are displayed in ViewNX 2 when transfer is complete.
- Consult online help for more information on using ViewNX 2.



Starting ViewNX 2 Manually

- **Windows**: Double-click the **ViewNX 2** shortcut on the desktop.
- **Mac OS**: Click the **ViewNX 2** icon in the Dock.

Retouching Photographs

Click **Edit** in the ViewNX 2 toolbar.

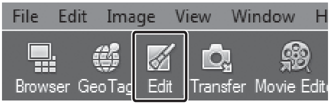
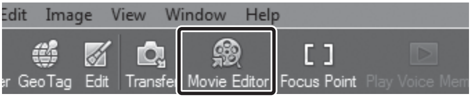


Image editing functions include tone compensation, sharpness adjustment, and trimming (cropping).

Editing Movies

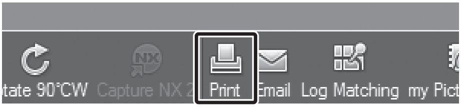
Click **Movie Editor** in the ViewNX 2 toolbar.



Movie editing functions include the ability to delete unwanted scenes.

Printing Images

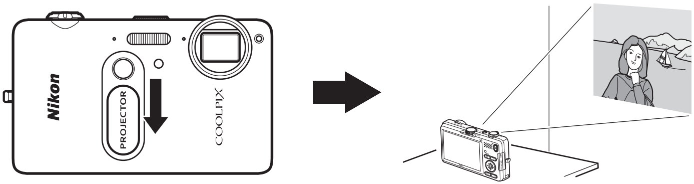
Click **Print** in the ViewNX 2 toolbar.



A dialog is displayed and images can be printed using a printer connected to the computer.

Using the Projector

The COOLPIX S1200pj is equipped with a built-in projector. The ability to project pictures and movies with simple operation makes for a convenient way of enjoying photos at gatherings of family and friends. Open the projector cover to project pictures and movies.



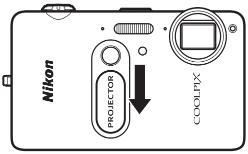
Displaying Pictures with the Projector

Projecting Pictures

1 Place the camera.

- Place the camera on a stable and level surface such as a table.
- Point the projector window at a screen (available commercially) or flat white surface.
- The projection distance between the camera and screen should be approximately 26 cm (11 in.) to 3.1 m (10 ft) (📖 82).

2 Turn on the camera and open the projector cover.

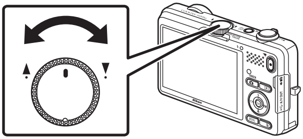


- The camera enters playback mode and pictures stored in the internal memory or on a memory card inserted into the camera are projected in full-frame playback mode.
- To project pictures in favorite pictures mode, auto sort mode, or list by date mode, follow the procedure in “Switching Between Playback Modes” (📖 70) to switch the playback mode.
- The camera’s monitor turns off when the projector is in operation, and the multi selector, the Ⓚ button, and **MENU** button are backlit, making the camera easy to use in the dark.
- The projector brightness is reduced immediately after the projector cover is opened, and it increases to the normal level after about ten seconds.

3 Adjust the camera position.

- To change the projected picture size, adjust the distance between the camera and screen.
- Adjust the projection angle to reduce picture distortion.

4 Adjust focus for the projected picture.



- Turn off unnecessary lights.
- Rotate the projector focus dial to adjust picture focus.

5 Press the multi selector ▲, ▼, ◀, or ▶ on the camera to change the projected picture.

- You can also use the remote control (available separately) to change the picture (📖 4, 81).
- See “Projector Controls” (📖 83) for more information about when the projector is in operation.

6 Close the projector cover to end projection.

- Turn off the camera after closing the projector cover.

Notes on Using the Projector

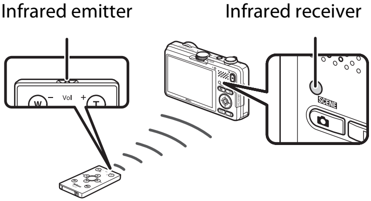
- Be sure to read and follow the warnings for the projector on page viii.
- Be aware that the camera and battery will become hot when the projector is in operation. Allow the camera to cool before using it again when the projector has been used for an extended period of time.
- When the battery is low, the camera automatically adjusts projection brightness to save power.
- When projecting pictures or movies, red streaks (ghosting) may appear at the top or bottom of the projection screen, but this does not indicate a malfunction.
- Do not look directly into the projector light or project it towards human eyes, as it could damage eyes.

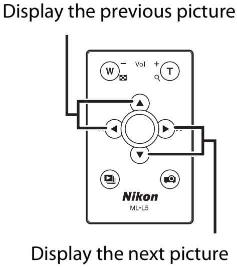
Notes on the Projector Cover

- If you turned on the camera after opening the projector cover, you will have to close the projector cover and turn the camera off and back on again.
- Do not leave the projector cover open when the COOLPIX S1200pj is not in use. The projected image may become faded or discolored if the projector window is exposed to direct or indirect sunlight or bright electric light for an extended period of time.

To Change the Pictures by the Remote Control (Available Separately)

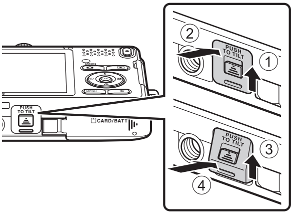
- Point the remote control (available separately) at the infrared receiver on the front or rear of the camera (📖 2, 3) within a distance of approximately 5 m (16 ft).
- Pictures can be changed by up, down, left, or right selection button on the remote control.





Built-in Projector Stand

- The built-in projector stand allows the camera to be tilted slightly upward so that the projected picture is not obstructed by the surface of the table on which the camera is placed.
- Slide the projector stand latch (①) and push (②) to raise it. To lower the projector stand, slide the projector stand latch (③) and push (④) it into the camera.
- When the projector stand is used, the picture is projected onto the screen at an angle, resulting in a type of distortion known as the keystone effect. Using a tripod instead of the built-in projector stand makes it easier to properly align the camera with the screen, reducing the keystone effect.



Auto Off with Projection

When no operations are performed during projection, the camera ends projection to save power and enter standby mode, and the power-on lamp blinks. If another three minutes passes in standby mode, the camera turns off.

- While the power-on lamp is blinking, press the buttons indicated below to resume projection in playback mode.
  - The power switch, shutter-release button, or ▶ button
- If the camera turns off, close the projector cover. Also, make sure to close the projector cover before turning the camera back on again.
- The time allowed to pass before the camera enters standby mode when no operations are performed during projection can be changed from **Auto off** in **Set up** (📖 98).

Projection Distance and Projected Picture Size

Projection distance	Projected picture size
26 cm (10 in.)	Approx. 10 × 7.5 cm (4 × 3 in.; equivalent to 5-inch display)
50 cm (1 ft 7 in.)	Approx. 20 × 15 cm (8 × 6 in.; equivalent to 10-inch display)
1.0 m (3 ft 3 in.)	Approx. 40 × 30 cm (16 × 12 in.; equivalent to 20-inch display)
1.5 m (4 ft 11 in.)	Approx. 60 × 45 cm (24 × 18 in.; equivalent to 30-inch display)
2.0 m (6 ft 6 in.)	Approx. 80 × 60 cm (32 × 24 in.; equivalent to 40-inch display)
2.5 m (8 ft 2 in.)	Approx. 100 × 75 cm (39 × 30 in.; equivalent to 50-inch display)
3.1 m (10 ft)	Approx. 120 × 90 cm (47 × 35 in.; equivalent to 60-inch display)

PC-PJ Transfer

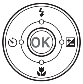
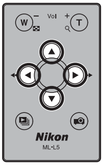
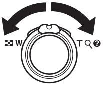
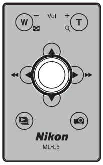
- The PC-PJ Transfer software allows you to use the camera's built-in projector to project a computer display via a USB connection.
- PC-PJ Transfer can be installed by using the included PC-PJ Transfer CD.
- See "Projecting the Computer Display" (⚭ 29) for more information about installation or using PC-PJ Transfer.

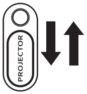
Projector Input Connector

- When the projector input connector (📖 2) on the COOLPIX S1200pj is connected to the Apple iPhone4 or iPhone3GS using the Dock Connector Cable, still pictures and movies saved on the Apple device can be viewed with the camera's built-in projector.
- For information on the Dock Connector Cable, contact your nearest authorized Nikon distributor. Please note that the Dock Connector Cable may not be readily available in some countries or regions.
- Do not connect a cable other than the Dock Connector Cable to the camera's projector input connector. Connecting a different cable may cause the camera to malfunction.

Projector Controls

When projecting images stored in the camera's internal memory or on a memory card inserted in the camera, the operations described in the table below can be performed with the camera or the remote control (available separately) (🕮 4).

Control	Name	Description	🕮
	Multi selector	• Press the ▲, ▼, ◀, or ▶ button to display the subsequent or previous picture. • Press and hold the ▲, ▼, ◀, or ▶ button to fast forward or rewind.	11
	Up, down, left, or right selection button		
	Zoom control	• When displaying pictures, rotate to **T** (🔍) to magnify the picture, and rotate to **W** (▦) to display picture thumbnails. • Adjusting the volume	33
T (🔍)/ **W** (▦)	Zoom button		85, 86
OK	Apply selection button	• Switches from picture thumbnail or zoomed picture display to full-frame display. • Adding and removing favorite pictures. • Play back the movie currently displayed.	85
			
▶ (Remote control only)	Slide show button	Slide show starts.	4, 86
MENU (Camera only)	Menu button	Displays and hides the menu.	12
▶ (Camera only)	Playback button	Changes the playback mode (displays the playback-mode selection screen).	70
🗑 (Camera only)	Delete button	Deletes pictures.	34

Control	Name	Description	📖
 (Camera only)	Projector cover	• Open to project pictures with the built-in projector. • Close to stop projecting pictures with the built-in projector. * To properly protect the projector, turn off the power after closing the projector cover.	80

Operations When Projecting Movies

To play back a movie, select a movie in full-frame playback mode and press the OK button on the camera or the apply selection button on the remote control (available separately). While the movie is playing back, the control panel is displayed at the top of the screen. Press the multi selector ◀ or ▶ on the camera or remote control to select an icon. The operations described below are available.

Functions	Control panel	Description	
Rewind or Advance	⏪/⏩ (Camera only)	Hold down the OK button on the camera to rewind or advance movie.	
Pause	⏸	Press the OK button on the camera or the apply selection button on the remote control to pause playback. While playback is paused, the operations described below can be performed using the control buttons displayed at the top of the screen.	
		◀II	Press the OK button on the camera or the apply selection button on the remote control to rewind the movie one frame. Hold down the OK button for continuous frame-by-frame rewinding.
		II▶	Press the OK button on the camera or the apply selection button on the remote control to advance the movie one frame. Hold down the OK button for continuous frame- by-frame advancing.
		▶	Press the OK button on the camera or the apply selection button on the remote control to resume playback.
		✂	Press the OK button to cut unwanted portions of a movie so that only the desired portion of a movie is saved (⚭ 34).
End	■	Press the OK button on the camera or the apply selection button on the remote control to return to full-frame playback mode.	

Adjust the Volume

Rotate the zoom control on the camera or press the zoom buttons on the remote control during playback to adjust playback volume.

Rewind or Advance on the Remote Control

Press and hold the ◀ button to rewind movies and the ▶ button to advance them.

⧉ Projecting Slide Shows

Project pictures stored in the internal memory or on the memory card as an automated slide show.

The operations described below can be performed using the camera or the remote control (available separately) (📖 4).

---

1 Turn on the camera, and open the projector cover.

- Use favorite pictures mode, auto sort mode, or list by date mode when you want to be more specific about which pictures to project.

2 Press the MENU button.

- The playback menu is displayed.

3 Use ▲ or ▼ of the multi selector or the remote control to select **Slide show**, and press the OK (apply selection) button.

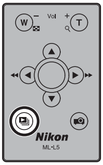
- To change the slide show settings when the projector is in operation, select **Slide show**, and then select **Effects**, **Background music** or **Frame intvl**, and press the OK button (⚯ 51).

4 Check the camera position and focus with the standby screen.

- Follow steps 3 and 4 under “Displaying Pictures with the Projector” (📖 80) to adjust camera position and focus.

5 Use ▲ or ▼ to select **Start** and press the OK (apply selection) button.

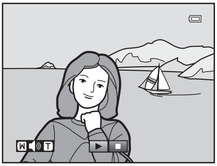
- If you start without applying slide show settings in step 3, the slide show begins with the previously made settings.
- You can start the slide show without projecting the menu screen (steps 2 to 3) by pressing the ⧉ button on the remote control while in full-frame playback mode or thumbnail playback mode.



6 The slide show begins.

- While the slide show is in progress, press the ▶ button on the camera or the remote control to display the next picture or the ◀ button to display the previous picture. Hold down the button to advance or rewind the slide show.
- During a slide show with **Background music**, the volume can be adjusted by rotating the zoom control on the camera, or by pressing the zoom buttons on the remote control.
- To pause the slide show, press the OK (apply selection) button.

7 End or resume the slide show.



- The screen shown on the right is displayed when the last frame has played or the slide show is paused.
- To end the slide show, use ◀ or ▶ to select ■ and press the OK (apply selection) button. You can also end the slide show by pressing the ▣ button on the remote control while the slide show is being played back or is paused.
- To resume the slide show, use ◀ or ▶ to select ▶ and press the OK (apply selection) button.

☑ Notes on Slide Show

- Only the first frame of movies (📖 94) included in a slide show is displayed.
- When using the Rechargeable Li-ion Battery EN-EL12, the maximum playback time is 60 minutes, even if **Loop** is enabled (⚯ 70).

Basic Projector Settings

When using the projector, if you press the MENU button to display the playback menu or setup menu on the monitor, the operations described in the table below can be performed (📖 12). These operations can also be performed while the projector is not in use.

Playback Menu

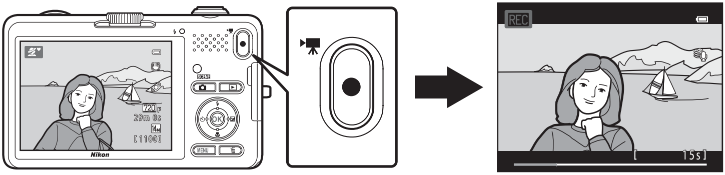
Option	Description	📖
Print order	Select pictures stored on the memory card for printing and how many copies of each picture are printed.	E 46
Slide show	Play back pictures stored in the internal memory or on a memory card one by one in an automated slide show.	E 50
Protect	Protect selected pictures from accidental deletion.	E 52
Rotate image	Specify the orientation in which recorded pictures are displayed during playback.	E 54

Setup Menu

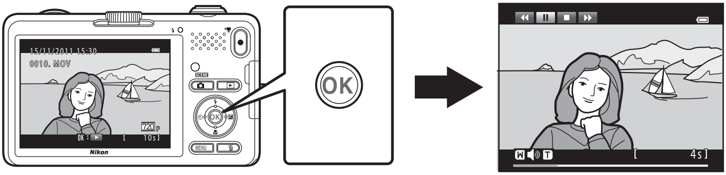
Option	Description	📖
Monitor settings	Select whether or not the photo information in the monitor is automatically turned off during shooting and playback. If you select **Framing grid+auto info**, a grid is displayed when shooting to help you frame the shot. The default setting is **Auto info**.	E 64
Projector settings	This option offers automatic adjustment of projection brightness to save power. The default setting is **Off**.	E 65
Auto off	This setting determines the amount of time that passes before the monitor turns off to save power. The default setting is **1 min**.	E 70

Recording and Playing Back Movies

You can record movies by simply pressing the ● (🎥 movie-record) button.



In playback mode, press the OK button to play a movie.



Recording Movies

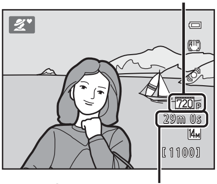
You can record movies by simply pressing the ● (🎥 movie-record) button. Hue, white balance, and other settings are the same when recording movies as they are when taking pictures.

1 Turn on the camera and be sure that it is in shooting mode.

- The icon for the selected movie option is displayed. The default setting is 720P **HD 720p (1280×720)** (□ 93).

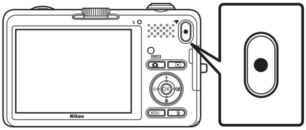
* The remaining movie recording time shown in the illustrations may differ from the actual display.

Movie options

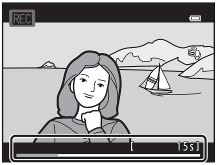


Movie recording time remaining*

2 Press the ● (🎥 movie-record) button to start movie recording.



- The camera focuses at the center of the frame. Focus areas are not displayed during recording.
- When 720P **HD 720p (1280×720)** is selected for **Movie options**, monitor display changes to an aspect ratio of 16:9 with movie recording (the area indicated on the right is recorded).
- When the **Photo info** option in **Monitor settings** (□ 98) in the setup menu is set to **Movie frame+auto info**, a frame indicating the area captured in the recorded movie can be displayed before recording starts.



- The approximate remaining movie recording time is displayed during recording. IN is displayed when using the internal memory in the camera.
- Recording stops automatically when the maximum movie recording time has elapsed.

3 Press the ● (🎥 movie-record) button again to end recording.

✓ Note on Saving Movies

After a movie has been recorded, it is not fully saved to the internal memory or memory card until monitor display returns to the shooting display. ***Do not open the battery-chamber/memory card slot cover*** before movies have been fully saved. Removing the memory card or the battery while a movie is being saved may result in loss of the movie data or damage to the camera or to the memory card.

Recording Movies

- Memory cards with an SD Speed Class rating of 6 or faster are recommended when recording movies (🕮 21). Movie recording may stop unexpectedly when memory cards with a lower Speed Class ratings are used.
- When recording movies with 720P **HD 720p (1280×720)** selected for **Movie options**, the angle of view (the area captured in the recorded movie) is smaller than when taking still pictures.
- There is some degradation in image quality when digital zoom is used. If you start recording a movie without the digital zoom and then rotate the zoom control to **T** and hold it, the camera stops zooming when the maximum optical zoom position is reached. To activate digital zoom, let go of the zoom control and then start zooming again.
- When recording ends, digital zoom is disabled.
- In some cases, movie recordings may capture the sounds of the camera, such as the sounds produced by the zoom control operation, the movement of the lens during autofocus, vibration reduction, or the aperture control when the brightness changes.
- Smear (☼ 5) visible in the monitor with movie recording will be recorded with movies. Avoiding bright objects such as the sun, reflections of the sun, and electric lights when recording movies is recommended.
- When recording or playing back movies, colored stripes (interference patterns or moiré) may appear on subjects that have a regular, repeating grid, such as pattern of weave in cloths or windows in a building, depending on the shooting distance or zoom ratio. This phenomenon occurs when the subject's pattern interferes with the camera sensor grid, and it does not indicate a malfunction.

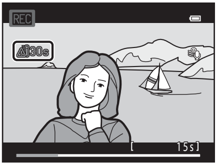
Notes on Autofocus for Movie Recording

When shooting a subject that is not suitable for autofocus (🕮 31), the camera may not be able to focus properly on the subject. Follow the procedure below if you are trying to shoot this type of subject for movies.

1. Set **Autofocus mode** in the movie menu to AF-S **Single AF** (default setting) before starting movie recording.
2. Frame a different subject (positioned at the same distance from the camera as the intended subject) in the center of the frame, press the ● (🎥 movie-record) button to start recording, and modify the composition.

Notes on Camera Temperature

- The camera temperature may increase significantly when used for an extended period of time for movie recording, etc. or when used in places with high ambient temperature.
- If the camera becomes extremely hot while recording a movie, the camera automatically terminates recording after 30 seconds. The camera monitor displays the number of seconds (⚠ 30s) remaining until automatic termination is activated.
  Five seconds after movie recording is terminated, the camera turns off. Wait until the internal temperature decreases before using it again.



Movie Options and Maximum Recording Time

Movie options (🕮 93)	Internal memory (approx. 94 MB)	Memory card (4 GB)*
720p HD 720p (1280×720)	1 min 20 s	55 min
iFrame iFrame 540 (960×540)	30 s	20 min
VGA VGA (640×480)	4 min 20 s	2 h 55 min

All figures are approximate. The maximum recording time may vary depending on the make of memory card.

* The maximum file size for a single movie is 4 GB or the maximum recording time for a single movie is 29 minutes, even when there is sufficient free space on the memory card for longer recording. The maximum recording time that can be recorded for a single movie is displayed during recording.

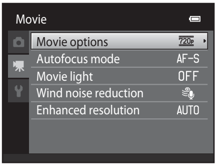
Functions Available with Movie Recording

- Current exposure compensation setting and white balance setting are also applied with movie recording. When macro mode is enabled, movies of subjects closer to the camera can be recorded. Confirm settings before starting movie recording.
- The self-timer (🕮 56) can be used. When the ● (▸🎥 movie-record) button is pressed after the self-timer is enabled, the camera starts movie recording after the specified two or ten seconds.
- The flash will not fire.
- You can make movie menu settings if you press the MENU button and select the ▸🎥 (movie) tab before starting movie recording (🕮 93).

Changing Movie Recording Settings (The Movie Menu)

In the shooting screen ➔ MENU button ➔ 🎥 tab (📖 12)

The following options can be adjusted.



Movie

Movie options 720p

Autofocus mode AF-S

Movie light OFF

Wind noise reduction

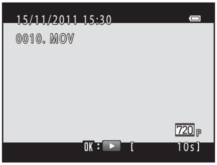
Enhanced resolution AUTO

Item	Description	📖
Movie options	Select the desired movie option for recording movies: 720p **HD 720p (1280×720)**, iFrame **iFrame 540 (960×540)**, VGA **VGA (640×480)**. Movies with an aspect ratio of 16:9 can be recorded by selecting 720p **HD 720p (1280×720)**.	🔍58
Autofocus mode	Select between AF-S **Single AF** (default setting), which locks focus when movie recording starts, and AF-F **Full-time AF** which focuses continuously during movie recording. When AF-F **Full-time AF** is selected, the sound of the camera focusing may be heard in the recorded movie. If you want to prevent the sound of the camera focusing from being recorded, select AF-S **Single AF**.	🔍58
Movie light	Enable or disable the movie light, which is used to illuminate dimly lit subjects when recording movies. The default setting is **Off**.	🔍59
Wind noise reduction	Set **On** (default setting) or **Off** to select whether wind noise is reduced when recording movies.	🔍59
Enhanced resolution	Set **Auto** (default setting) or **Off** to select whether or not to enhance the resolution during movie recording.	🔍59

Movie Playback

1 Press the ▶ (playback) button in playback mode.

- Press the multi selector to choose the desired movie.
- In full-frame playback mode, movies are recognized by the movie options icon (📖 90).

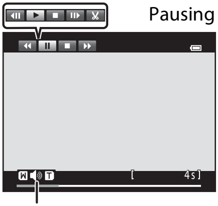


2 Press the OK button.

- The movie is played back.

Operation during Movie Playback

Playback controls are displayed at the top of the monitor. Press the multi selector ◀ or ▶ to choose a control. The operations described below are available.



To	Use	Description	
Rewind	◀◀	Hold down the OK button to rewind movie.	
Advance	▶▶	Hold down the OK button to advance movie.	
Pause	❚❚	Press the OK button to pause playback. The following operations can be performed while playback is paused using the controls displayed at top in the monitor.	
		◀❚	Press the OK button to rewind the movie one frame. Hold down the OK button for continuous frame-by-frame rewinding.
		❚▶	Press the OK button to advance the movie one frame. Hold down the OK button for continuous frame- by-frame advancing.
		▶	Press the OK button to resume playback.
		✂	Press the OK button to cut unwanted portions of a movie so that only the desired portion of a movie is saved (⚭ 34).
End	■	Press the OK button to return to full-frame playback mode.	

Adjust the Volume

Rotate the zoom control to **T** or **W** (📖 7) during movie playback to adjust playback volume.

Delete a Movie File

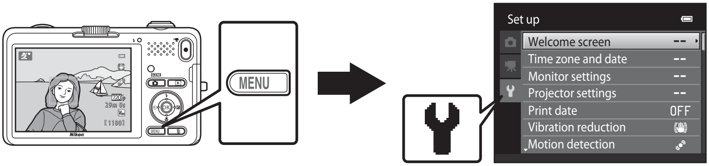
To delete movies, press the 🗑 button (📖 34) in full-frame playback mode (📖 32) or thumbnail playback mode (📖 33).

✓ Note on Movie Playback

Movies recorded by a camera other than the COOLPIX S1200pj cannot be played back.

General Camera Setup

This chapter describes the various settings that can be adjusted in the 🔧 setup menu.

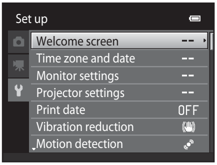


- See "Using Menus (the MENU Button)" (📖 12) for information about using the camera's menus.
- See "The Setup Menu" (⚭ 60) in Reference Section for more information.

The Setup Menu

Press the MENU button ➔ Y (Setup) tab (📖 12)

The following settings can be changed in the setup menu by selecting the Y tab.



Set up
Welcome screen --
Time zone and date --
Monitor settings --
Projector settings --
Print date OFF
Vibration reduction
Motion detection

Option	Description	📖
Welcome screen	Allows you to select the picture displayed as the welcome screen when the camera is turned on. Select **COOLPIX** to display the COOLPIX logo. Select **Select an image** to use a picture taken with the camera as the welcome screen.	⚭ 60
Time zone and date	Allows you to set settings related to the camera's date and time. The **Time zone** setting allows you to specify the time zone where the camera is mainly used and whether or not daylight saving time is in effect. When the travel destination (✈) is selected, the camera automatically calculates the time difference between the travel destination and the home time zone (⌂), and saves pictures using the date and time of the travel destination.	⚭ 61
Monitor settings*	Allows you to select the kind of information that is displayed during shooting mode and playback mode. If you select **Framing grid+auto info**, a grid is displayed when shooting to help you frame the shot. The default setting is **Auto info**. You can also set the photo information displayed in playback mode, the image review settings, and the monitor brightness. • The **Image review** and **Brightness** settings are not available when the projector is in operation.	⚭ 64
Projector settings*	When power saving mode is enabled, projector brightness is automatically adjusted to save power. The default setting is **Off**.	⚭ 65

Option	Description	📖
Print date	Allows you to imprint the shooting date and time on pictures at the time of shooting. The default setting is **Off**. • The date cannot be imprinted in the following situations: - When using **Sports**, **Museum**, or **Panorama assist**, or When **Continuous** is selected for the **Pet portrait** scene mode - When **On** is selected for **Blink proof** (⚯ 36) in smart portrait mode. - When **Continuous** or **BSS** is selected for the continuous setting (⚯ 39). - When shooting movies	⚯ 66
Vibration reduction	Allows you to reduce blurring caused by camera shake when shooting. The default setting is **On**. • When using a tripod to stabilize the camera during shooting, set this feature to **Off**.	⚯ 67
Motion detection	When the camera detects camera shake or subject movement at the time of shooting, it automatically increases ISO sensitivity and shutter speed to reduce blurring. The ✋ indicator glows green when the camera detects camera shake and increases shutter speed. The default setting is **Auto**. • When using certain shooting modes or settings, motion is not detected. In this case the ✋ indicator is not displayed.	⚯ 68
AF assist	When set to **Auto**, the AF-assist illuminator (📖 2) lights when shooting in dark surroundings to help the camera focus. The default setting is **Auto**. • The illuminator has a range of about 4.5 m (14 ft) at the maximum wide-angle position and about 3.0 m (9 ft 10 in.) at the maximum telephoto position. • Even if **Auto** is selected, the AF-assist illuminator may not light depending on the position of the focus area or the scene mode that is selected.	⚯ 69
Digital zoom	When set to **On**, rotating the zoom control to **T** (🔍) at the maximum optical zoom position triggers digital zoom feature (📖 29). The default setting is **On**.	⚯ 69
Sound settings	Allows you to turn various camera sounds on and off. The default setting of **Button sound** and **Shutter sound** is **On**. The beep does not sound when using some shooting mode settings.	⚯ 70

Option	Description	📖
Auto off*	Set time before the monitor turns off for saving power. The default setting is **1 min**.	E 70
Format memory/ Format card	Allows you to format the internal memory (only when a memory card is not inserted) or the memory card (when a memory card is inserted). • **All data stored in the internal memory or on the memory card is deleted during formatting and cannot be restored.** Be sure to transfer important pictures to a computer and save them before formatting.	E 71
Language	Choose the language used for camera monitor display.	E 72
Interface	When transferring pictures to the computer or printer from the camera, set the **USB** option to **MTP/PTP** (default setting) or **Projector**. Adjust video mode settings for connection to a television or an other device. Select from **NTSC** (default setting) and **PAL**.	E 73
Charge by computer	When set to **Auto** (default setting), you can charge the camera's battery by connecting the camera to a computer (provided that the computer is able to supply power). • When charging by computer, it takes more time to charge the battery than when using the Charging AC Adapter EH-69P. Additionally, when charging by computer and transferring pictures to the computer, it takes more time to charge the battery.	E 73
Blink warning	Immediately after taking a picture using face detection (📖 65) (except when using smart portrait mode), if the camera detects a subject with closed eyes, the camera displays the message **Did someone blink?**, allowing you to check the picture. The default setting is **Off**.	E 75
Reset all	Allows you to reset the camera's settings to their default values. Certain settings such as **Time zone and date** and **Language** are not reset.	E 77
Firmware version	View the current camera firmware version.	E 79

* This setting can be changed when the projector is in operation (📖 88).

E Reference Section

The Reference Section provides detailed information and hints for using the camera.

Shooting

Playback

Projecting Pictures from Other Devices

Movies

Menu

Additional Information

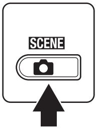
Using Panorama Assist

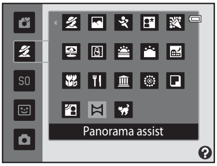
Use a tripod for the best results. Set **Vibration reduction** to **Off** from the setup menu (□ 98) when using a tripod to stabilize the camera.

In the shooting screen ➔ 📷 (shooting mode) button ➔ ✲ (second icon from the top) ➔ ▶ ➔ ⋈ Panorama assist (□ 26, 27)

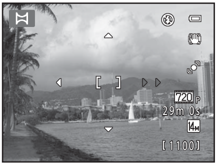
1 Press the 📷 button in shooting mode and use the multi selector to select ⋈ (**Panorama assist**) scene mode (□ 44).

- Panorama direction icons are displayed to show the direction in which pictures will be joined.





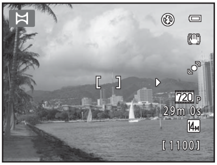
2 Use the multi selector to choose the direction and press the Ⓚ button.



- Select the direction in which pictures will be joined in the completed panorama; right (▷), left (◁), up (△) or down (▽).
- The yellow panorama direction icon (▷▷) is displayed for the current direction and the direction is fixed when Ⓚ is pressed. The icon changes to the white fixed direction ▷ icon.
- If necessary, apply flash mode (□ 54), self-timer (□ 56), macro mode (□ 57) and exposure compensation (□ 58) settings with this step.
- Press the Ⓚ button again to choose a different direction.

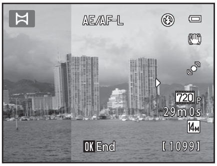
3 Frame the first portion of the panorama scene and take the first picture.

- The camera focuses on the subject at the center of the frame.
- One third of the picture will be displayed as translucent.



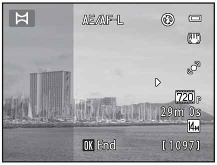
4 Take the next picture.

- Frame the next picture so that one third of the frame overlaps the first picture, and press the shutter-release button.
- Repeat this process until the necessary number of pictures has been taken to complete the scene.



5 Press the OK button when shooting is complete.

- The camera returns to step 2.

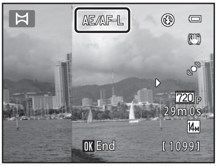


Notes on Panorama Assist

- Flash mode, self-timer, macro mode and exposure compensation settings cannot be adjusted after the first picture is taken. Pictures cannot be deleted, nor can zoom or **Image mode** setting (📖 61) be adjusted after the first picture has been taken.
- Shooting for the panorama series is terminated if the auto off function (E 70) initiates standby mode during shooting. Setting the time allowed to elapse before the auto off function is enabled to a longer setting is recommended.

AE/AF-L Indicator

In **Panorama assist** scene mode, exposure, white balance, and focus for all pictures in a panorama are fixed at the values for the first picture in each series.
When the first picture is taken, AE/AF-L is displayed to indicate that exposure, white balance, and focus are locked.



Panorama Creation with Panorama Maker 5

- Transfer pictures to a computer (📖 75) and use Panorama Maker 5 to join them in a single panorama.
- Panorama Maker 5 can be installed on a computer using the included ViewNX 2 Installer CD (📖 72).
- After installation is complete, follow the procedure described below to start Panorama Maker 5.
  Windows: Choose **Start** menu>**All Programs**>**ArcSoft Panorama Maker 5**>**Panorama Maker 5**.
  Mac OS X: Open **Applications** and double-click the **Panorama Maker 5** icon.
- For more information on using Panorama Maker 5, refer to the on-screen instructions and help information contained in Panorama Maker 5.

More Information

See "Image/Sound File and Folder Names" (E 80) for more information.

Favorite Pictures Mode

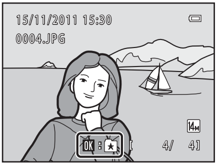
You can sort your favorite pictures into nine albums (this option is not available for movies). Once they are added, you can choose to play back only favorite pictures by selecting favorite pictures mode.

- Categorizing albums by theme or type of subject makes it easier to find a particular picture.
- A single picture can be added to multiple albums.
- Up to 200 pictures can be added to each album.

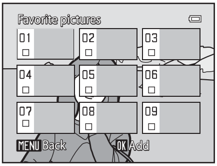
Adding Pictures to Albums

1 Select a favorite picture in full-frame playback mode or in thumbnail playback mode and press the OK button.

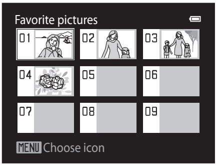
- In favorite pictures mode, pictures cannot be added to albums.



2 Press the multi selector to choose a desired album and press the OK button.



Viewing Pictures in an Album



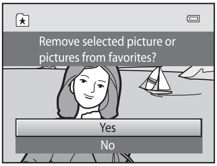
If you select ★ **Favorite pictures** mode using the procedure described in “Selecting Certain Types of Pictures for Playback” (📖 70), the album selection screen is displayed. Use the multi selector to select a category and then press the OK button to play back pictures in the selected album.

▶ button (playback mode) ➔ ▶ button ➔ ★ Favorite pictures

- The following operations are available from the album selection screen.
  - MENU button : Changes the albums icon (their colors and shapes) (E 6).
  - 🗑 button : Deletes all pictures in the selected album.
- When viewing pictures in full-frame playback mode or thumbnail playback mode, press the MENU button to display the menu and then select the ★ (favorite pictures menu) tab, to select a feature from the playback menu (📖 71).

Removing Pictures from Albums

Select the desired picture in full-frame display and press the OK button to display the confirmation dialog. Choose **Yes** and press the OK button to remove the picture from the album.



Remove selected picture or pictures from favorites?

✓ Note on Deleting Pictures in Favorite Pictures Mode

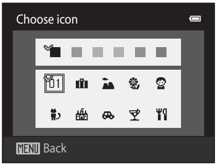
When pictures are added to albums, they are not physically copied to albums or moved from the folder to which they were originally recorded. Only the file names of pictures are added to albums. In favorite pictures mode, the pictures corresponding to the file names in the specified album are played back.

Deleting a picture in favorite pictures mode deletes not only the picture from the album, but also deletes the picture file from the internal memory or memory card permanently.

Changing Icons Assigned to Albums

From the album selection screen (📖 70, ⊶ 5), select an album and press the **MENU** button to change the album's icon.

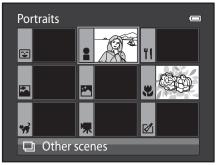
- Select a color, press the **OK** button, and select an icon and press the **OK** button to change the icon.



✓ Notes on Icons for Albums

- Choose icons for albums separately for the internal memory and for every memory card used.
- To change the icon for an album containing pictures stored in the internal memory, remove the memory card from the camera.
- The default setting for icons are black numbers.

Auto Sort Mode



Pictures are automatically sorted in to categories, such as portraits, landscapes, and movies. If you choose AUTO **Auto sort** using the procedure described in "Switching Between Playback Modes" (□ 70), the category selection screen is displayed. Select a category with the multi selector, and press the OK button to play back pictures in the selected category.

▶ button (Playback mode) → ▶ button → AUTO Auto sort mode

Auto Sort Mode Categories

Category	Description
☺ Smile	Pictures taken in smart portrait mode (□ 47) with the smile timer setting set to **On** are displayed.
Portraits	Pictures taken in **Portrait***, **Night portrait***, **Party/indoor**, and **Backlighting*** scene mode (□ 39) are displayed. Pictures taken in smart portrait mode (□ 47) with the smile timer setting set to **Off** are displayed. Pictures taken in 📷 (auto) mode (□ 50) with the face detection (□ 65).
🍴 Food	Pictures taken in **Food** scene mode (□ 39) are displayed.
Landscape	Pictures taken in **Landscape*** scene mode (□ 39) are displayed.
Dusk to dawn	Pictures taken in **Night landscape***, **Sunset**, **Dusk/dawn** and **Fireworks show** scene modes (□ 39) are displayed.
✿ Close-ups	Pictures taken in **Close-up*** scene mode (□ 39) are displayed. Pictures taken in 📷 (auto) mode with the macro mode setting (□ 57) are displayed.
Pet portrait	Pictures taken in **Pet portrait** scene mode (□ 39) are displayed.
Movie	Movies (□ 90) are displayed.
☑ Retouched copies	Copies created using editing functions (⚯ 10) are displayed.
□ Other scenes	All other pictures that cannot be defined by the categories described above are displayed.

* Pictures taken in 📷 (easy auto) mode (□ 38) are also sorted to the appropriate categories.

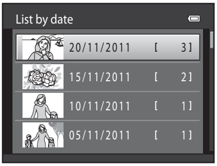
- The following operation is available while the category selection screen is displayed.
  - 🗑 button : Deletes all pictures in the selected category.
- When viewing pictures in full-frame playback mode or thumbnail playback mode, press the MENU button to display the menu and then select the AUTO (auto sort menu) tab to select a feature from the playback menu (□ 71).

Notes on Auto Sort Mode

- Up to 999 pictures and movie files can be sorted to each category in auto sort mode. If 999 pictures or movies have already been sorted to a specific category, new pictures and movies cannot be sorted to that category nor can they be displayed in auto sort mode. Display pictures and movies that could not be sorted to a category in normal playback mode (📖 32) or list by date mode (⚯ 9).
- Pictures or movies copied from the internal memory to a memory card, or vice versa (⚯ 57), cannot be displayed in auto sort mode.
- Pictures or movies recorded by a camera other than the COOLPIX S1200pj cannot be displayed in auto sort mode.

List by Date Mode

If you select the 📅 **List by date** using the procedure described in “Switching Between Playback Modes” (📖 70), the shooting date selection screen is displayed. Select a category with the multi selector, and press the 🆗 button to play back pictures captured on the selected date.



List by date

20/11/2011	[	3]
15/11/2011	[	2]
10/11/2011	[	1]
05/11/2011	[	1]

▶ button (Playback mode) ➔ ▶ button ➔ 📅 List by date mode

- The first picture taken on the selected date is displayed.
- The following operations are available while the shooting date selection screen is displayed.
  - **MENU** button: When you select the 📅 (list by date menu) tab in the menu screen, you can select the following functions and apply the same function from the playback menu (📖 71) to all images captured on the selected date.
    → print order, slide show, protect
  - 🗑 button: Deletes all pictures taken on the selected date.
- When viewing pictures in full-frame playback mode or thumbnail playback mode, press the **MENU** button to display the menu and then select the 📅 (list by date menu) tab to select a feature from the playback menu (📖 71).
- Calendar display (📖 33) is not available in list by date mode.

✓ Notes on List by Date Mode

- 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 combined under **Others**.
- Up to 9,000 of the most recently recorded pictures can be displayed in list by date mode.
- Pictures taken when the camera’s date is not set are treated as pictures taken on January 1, 2011.

Editing Pictures (Still Pictures)

Editing Functions

Use the COOLPIX S1200pj to edit pictures in-camera and store them as separate files (E 80). The editing functions described below are available.

Editing function	Description
Quick retouch (E 12)	Easily create retouched copies in which contrast and saturation have been enhanced.
D-Lighting (E 13)	Create a copy of the current picture with enhanced brightness and contrast, brightening dark portions of the picture.
Glamour retouch (E 14)	Make facial skin tone softer and make faces look smaller with larger eyes.
Filter effects (E 16)	Apply a variety of effects using digital filter. The available effects are **Color options**, **Soft**, **Selective color**, **Cross screen**, **Fisheye**, and **Miniature effect**.
Small picture (E 18)	Create a small copy of pictures suitable for use as e-mail attachments.
Crop (E 19)	Enlarge the picture or refine the composition and create a copy containing only the portion visible in the monitor.

☑ Notes on Picture Editing

- Pictures taken at an **Image mode** setting of 16:9 **4224×2376** (A 61) cannot be edited.
- If no face is detected in a picture, a copy cannot be created using the glamour retouch option (E 14).
- The COOLPIX S1200pj editing functions are not available for pictures taken with another make or model of digital cameras.
- Edited copies created with COOLPIX S1200pj may not be displayed properly on another make or model of digital camera. It may also be impossible to transfer them to a computer using another make or model of digital camera.
- Editing functions are not available when there is not enough free space in the internal memory or on the memory card to store the edited copies.

Restrictions on Picture Editing

When an edited copy is further modified with another editing function, check the following restrictions.

Editing function used	Editing function to use
Quick retouch D-Lighting Filter effects	The glamour retouch, small picture or crop functions can be used. The quick retouch, D-Lighting, and filter effects functions cannot be used together.
Glamour retouch	An editing function other than glamour retouch can be used.
Small picture Crop	Another editing function cannot be used.

- Copies created with an editing function cannot be further edited with the same function used to create them.
- When combining the small picture or crop function and another editing function, use the small picture or crop function after other editing function has been applied.
- Retouch effects such as the glamour retouch function’s skin softening effect can be applied to pictures taken with the skin softening function (E 36).

Original and Edited Pictures

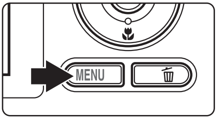
- Copies created with editing functions are not deleted when the original pictures are deleted, and the original pictures are not deleted when copies created with editing functions are deleted.
- Edited copies are stored with the same recording date and time as the original.
- Print order (E 46) and protect settings (E 52) of the original picture are not applied to edited copies.

Quick Retouch: Enhancing Contrast and Saturation

Quick retouch can be used to easily create retouched copies in which contrast and saturation have been enhanced. New copies are stored as separate files.

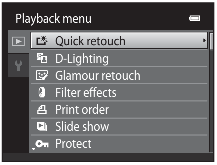
1 Select the desired picture in full-frame playback mode (📖 32) or thumbnail playback mode (📖 33) and press the MENU button.

- The playback menu is displayed.



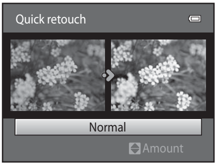
2 Use the multi selector to choose **Quick retouch** and press the OK button.

- The original version is displayed on the left and the edited version is displayed on the right.

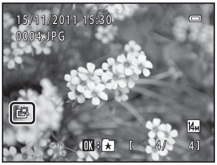


3 Press the multi selector ▲ or ▼ to choose the degree of enhancement performed and press the OK button.

- A new copy is created.
- To exit without saving the copy, press the MENU button.



- Copies created with the quick retouch option can be recognized by the icon displayed during playback.



More Information

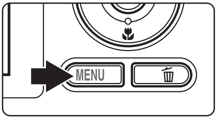
See “Image/Sound File and Folder Names” (E 80) for more information.

D-Lighting: Enhancing Brightness and Contrast

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

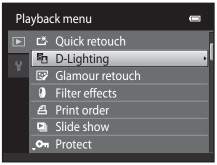
1 Select the desired picture in full-frame playback mode (📖 32) or thumbnail playback mode (📖 33) and press the MENU button.

- The playback menu is displayed.



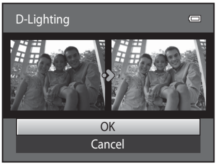
2 Use the multi selector to choose **D-Lighting** and press the OK button.

- The original version is displayed on the left and the edited version is displayed on the right.

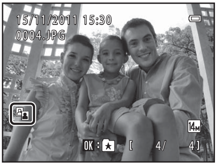


3 Choose **OK** and press the OK button.

- A new copy with enhanced brightness and contrast is created.
- To exit without saving the copy, choose **Cancel** and press the OK button.



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



More Information

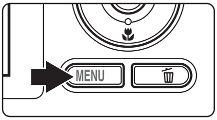
See “Image/Sound File and Folder Names” (E 80) for more information.

Glamour Retouch: Softening Skin and Making Faces Looking Smaller with Larger Eyes

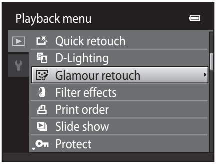
Glamour retouch can be used to soften the skin tone of faces detected in a picture and make the faces look smaller with larger eyes. New copies are stored as separate files.

1 Select the desired picture in full-frame playback mode (📖 32) or thumbnail playback mode (📖 33) and press the MENU button.

- The playback menu is displayed.

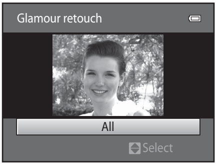


2 Use the multi selector to choose **Glamour retouch** and press the OK button.

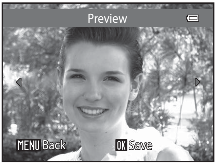


3 Press the multi selector ▲ or ▼ to choose **All** or **Skin softening** and press the OK button.

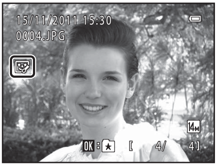
- **All**: Soften facial skin tones, make faces look smaller, and make eyes look larger.
- **Skin softening**: Soften facial skin tones
- The preview screen is displayed.



4 Preview the result of the effects and press the OK button.



- Skin tones in up to 12 faces, in the order of that closest to the center of the frame, are softened.
- If more than one face was softened, press the multi selector ◀ or ▶ to display a different face.
- To change the degree of effect, press the **MENU** to return to step 3.
- A new, edited copy is created.
- Copies created using the glamour retouch function can be recognized by the ▧ icon displayed in playback mode.



✓ Notes on Glamour Retouch

- The glamour retouch function cannot be performed when no face is detected in the picture.
- The glamour retouch function may not perform as expected depending on the direction in which the faces are looking or the brightness of the faces in the picture.

✎ More Information

See “Image/Sound File and Folder Names” (E 80) for more information.

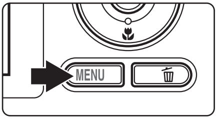
◑ Filter Effects: Digital Filters

Apply a variety of effects using digital filter. Effects indicated below are available. New copies are stored as separate files.

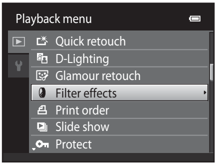
Type	Description
Color options	Apply color effects to pictures as they are recorded. The available effects are **Vivid color**, **Black-and-white**, **Sepia**, or **Cyanotype**.
Soft	Give the picture a soft look by blurring from the center outward.
Selective color	Keep one specified color in the picture, and change the other colors to black and white.
Cross screen	Produce star-like rays of light that radiate outward from bright objects such as sunlight reflections and city lights. This effect is suitable for night scenes.
Fisheye	Make a picture look as if it were taken with a fisheye lens. This effect is well-suited for pictures taken in macro mode.
Miniature effect	Make a picture look like a miniature scene taken in macro mode. This effect is well-suited for pictures taken from a high vantage point with the main subject at the center of the picture.

1 Select the desired picture in full-frame playback mode (□ 32) or thumbnail playback mode (□ 33) and press the MENU button.

- The playback menu is displayed.

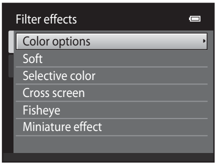


2 Use the multi selector to choose ◑ **Filter effects** and press the OK button.



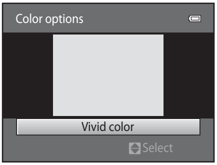
3 Press ▲ or ▼ to select the type of the effects and press the OK button.

- When selecting **Cross screen**, **Fisheye**, or **Miniature effect**, proceed to step 5.

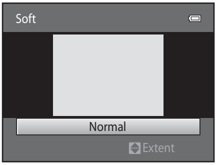


4 Adjust the effect.

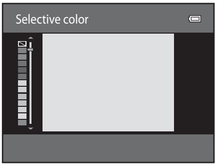
- **Color options**: Press ▲ or ▼ to select the color tone, and press the Ⓚ button.



- **Soft**: Press ▲ or ▼ to select the size of the area to soften, and press the Ⓚ button.



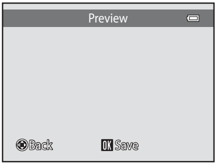
- **Selective color**: Press ▲ or ▼ to move the slider, select the color to keep, and press the Ⓚ button.



- Press ◀ to return to the **Filter effects** selection screen without making any changes.

5 Check the results, and press the Ⓚ button.

- A new, edited copy is created.
- Press ◀ to select a previous screen.
- To exit without saving the copy, press the MENU button.
- Copies created using the filter effects function can be recognized by the ◈ icon displayed in playback mode.



More Information

See “Image/Sound File and Folder Names” (🔗 80) for more information.

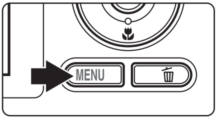
Small Picture: Reducing Image Size

Create a small copy of the current picture. This feature is useful for displaying on Web pages and using as e-mail attachments. Small copies are stored as files with a compression ratio of approximately 1:16. The **640×480**, **320×240**, and **160×120** sizes are available.

---

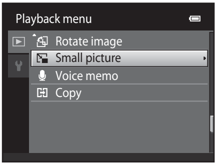
1 Select the desired picture in full-frame playback mode (📖 32) or thumbnail playback mode (📖 33) and press the MENU button.

- The playback menu is displayed.



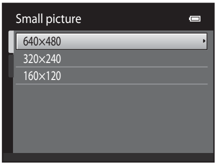
---

2 Use the multi selector to choose **Small picture** and press the OK button.



---

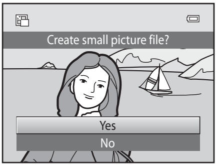
3 Choose the desired copy size and press the OK button.



---

4 Choose **Yes** and press the OK button.

- A new, smaller copy is created.
- To exit without saving the copy, choose **No** and press the OK button.
- The copy is displayed with a black frame.



More Information

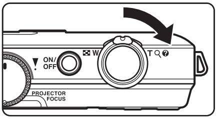
See "Image/Sound File and Folder Names" (⊶ 80) for more information.

✂ Crop: Creating a Cropped Copy

Create a copy containing only the portion visible in the monitor when MENU: ✂ is displayed with playback zoom (📖 33) enabled. Cropped copies are stored as separate files.

---

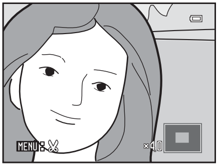
1 Rotate the zoom control to **T** (🔍) in full-frame playback mode to zoom in on the picture (📖 32).



- To crop an image displayed in "tall" (portrait) orientation, zoom in on the image until the black bars displayed on the both sides of the monitor disappear, and then crop the picture. The cropped image will be displayed in landscape orientation. To crop a picture and keep its "tall" (portrait) orientation, first use the **Rotate image** option (E 54) to rotate the picture so that it is displayed in landscape orientation. Next, enlarge the picture for cropping, crop the picture, and then rotate the cropped picture back to "tall" (portrait) orientation.

---

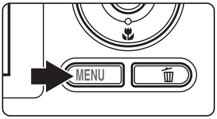
2 Refine copy composition.



- Rotate the zoom control to **T** (🔍) or **W** (▦) to adjust the zoom ratio.
- Press the multi selector ▲, ▼, ◀, or ▶ to scroll the picture until only the portion you want to copy is visible in the monitor.

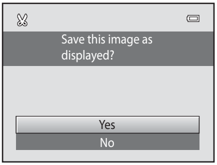
---

3 Press the MENU button.



---

4 Use the multi selector to choose **Yes** and press the OK button.



Save this image as displayed?

- A cropped copy is created.
- To exit without saving the copy, choose **No** and press the OK button.

Image Size

As the area to be saved is reduced, the image size (pixels) of the cropped copy is also reduced. When the size of the cropped copy is 320 × 240 or 160 × 120, a black frame is displayed around the picture during playback, and the small picture icon ⧉ is displayed at the left of the monitor.

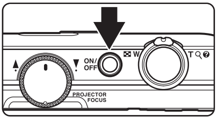
More Information

See “Image/Sound File and Folder Names” (E 80) for more information.

Connecting the Camera to a TV (Playback on a TV)

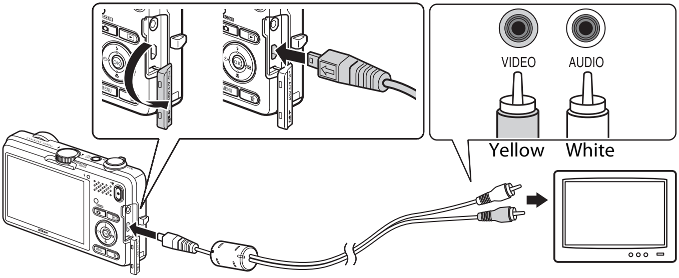
Connect the camera to a television using the Audio Video Cable EG-CP16 (available separately) to play back pictures on a television.

1 Turn off the camera.



2 Connect the camera to the TV.

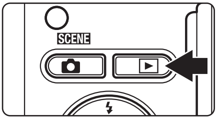
- Connect the yellow plug to the video-in jack and the white plug to the audio-in jack on the TV.
- When connecting the audio/video cable, be sure that the camera connector is properly oriented. Do not use force when connecting the cable to the camera. When disconnecting the cable, do not pull the connector at an angle.



3 Tune the television to the video channel.

- See the documentation provided with your television for details.

4 Hold down the ▶ button to turn on the camera.



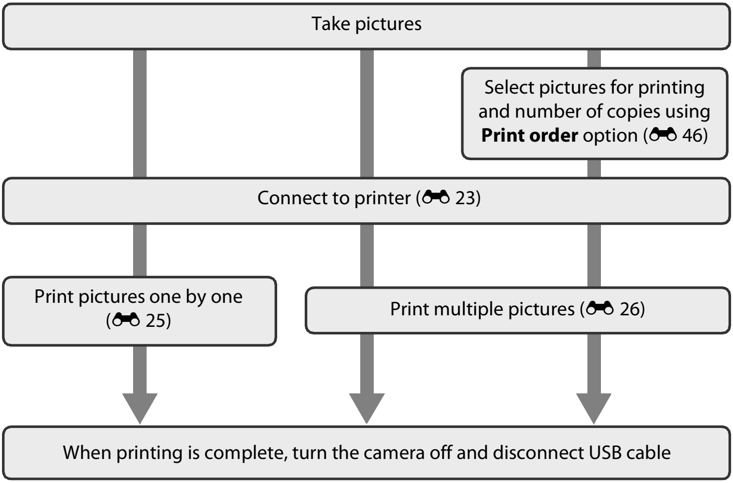
- The camera enters playback mode and pictures are displayed on the television.
- While connected to the TV, the camera monitor will remain off.

✔ Video Mode

Be sure that the camera's video mode setting conforms to the standard used by your television. Specify the **Video mode** setting from **Interface** option (E 73) in the setup menu (🕮 98).

Connecting the Camera to a Printer

Users of PictBridge-compatible (☼ 18) printers can connect the camera directly to the printer and print pictures without using a computer. Follow the procedures below to print pictures.


Take pictures
Select pictures for printing and number of copies using **Print order** option (⚭ 46)
Connect to printer (⚭ 23)
Print pictures one by one (⚭ 25)
Print multiple pictures (⚭ 26)
When printing is complete, turn the camera off and disconnect USB cable

Notes on Power Source

- When connecting the camera to a printer, use a fully charged battery to prevent the camera from turning off unexpectedly.
- If the AC Adapter EH-62F (available separately) is used, COOLPIX S1200pj can be powered from a home electrical outlet. Do not use any other make or model of AC adapter as they may cause the camera to heat up or malfunction.

Printing Pictures

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

- Inserting a memory card into a DPOF-compatible printer's card slot
- Taking a memory card to a digital photo lab

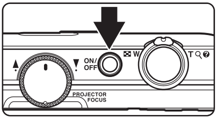
For printing using these methods, specify the pictures and the number of prints each to the memory card using the **Print order** option in the playback menu (⚭ 46).

Connecting the Camera to a Printer

When transferring pictures to the printer from the camera, select the **Interface** setting (E 73) from the setup menu and set the **USB** option to **MTP/PTP** (default setting).

---

1 Turn off the camera.



---

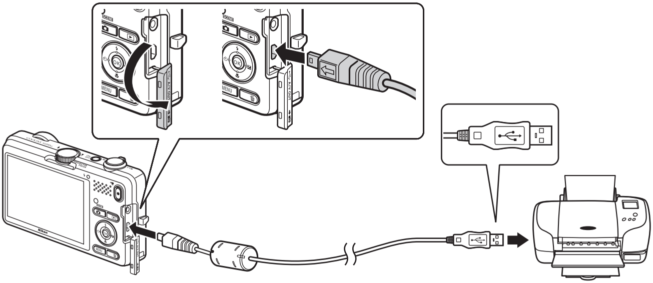
2 Turn on the printer.

- Check printer settings.

---

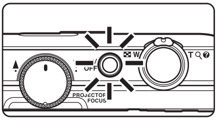
3 Connect the camera to the printer using the included USB cable.

- Be sure that connectors are properly oriented. Do not attempt to insert connectors at an angle, and do not use force when connecting or disconnecting the USB cable.

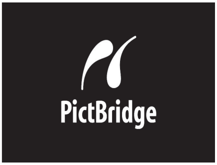


4 The camera is automatically turned on.

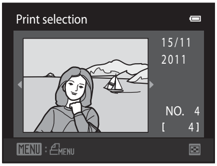
- When properly connected, the **PictBridge** startup screen (①) will be displayed in the camera monitor, followed by the **Print selection** screen (②).



①



②



If the PictBridge Screen is not Displayed

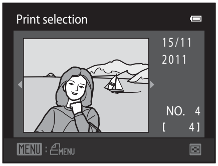
Turn off the camera and disconnect the USB cable. Set **Charge by computer** (73) in the camera’ s setup menu to **Off**, then connect the camera again.

Printing Pictures One by One

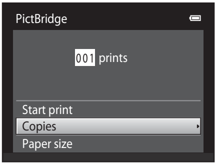
After properly connecting the camera to the printer (⊶ 23), follow the procedure described below to print a picture.

1 Use the multi selector to choose the desired picture and press the OK button.

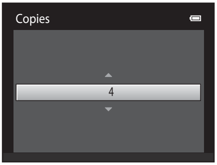
- Rotate the zoom control to **W** (▦) to switch to 12-thumbnail display, and to **T** (Q) to switch back to fullframe playback.



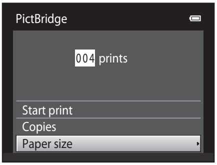
2 Choose **Copies** and press the OK button.



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

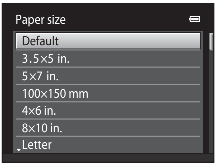


4 Choose **Paper size** and press the OK button.

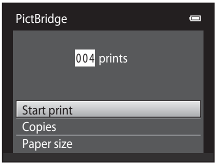


5 Choose the desired paper size and press the OK button.

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



6 Choose **Start print** and press the OK button.



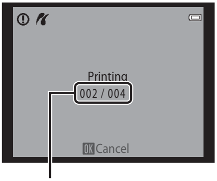
PictBridge

004 prints

Start print
Copies
Paper size

7 Printing begins.

- Monitor display returns to the print selection screen shown in step 1 when printing is complete.
- To cancel printing before all copies have been printed, press the OK button.



Printing
002 / 004
OK Cancel

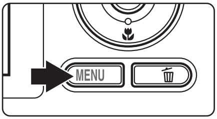
Current number of copies/total number of copies

Printing Multiple Pictures

After properly connecting the camera to the printer (E 23), follow the procedure described below to print multiple pictures.

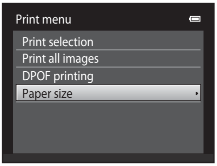
1 When the **Print selection** screen is displayed, press the MENU button.

- The **Print menu** screen is displayed.



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

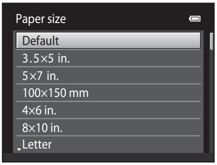
- To exit the print menu, press the MENU button.



Print menu

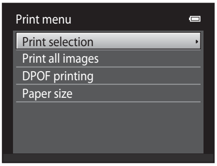
Print selection
Print all images
DPOF printing
Paper size

3 Choose the desired paper size and press the Ⓚ button.

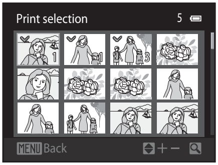


- To specify paper size using printer settings, choose **Default** in the paper size menu.

4 Choose **Print selection**, **Print all images** or **DPOF printing** and press the Ⓚ button.

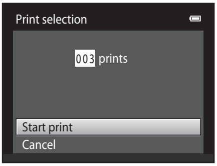


Print selection



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

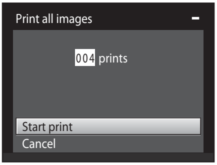
- Press the multi selector ◀ or ▶ to select pictures, and press ▲ or ▼ to specify the number of copies for each.
- Picture selected for printing can be recognized by the check mark (✓) and the numeral indicating the number of copies to be printed. If no copies have been specified for pictures, the selection is canceled.
- Rotate the zoom control to **T** (🔍) to switch to full-frame playback. Rotate the zoom control to **W** (▦) to switch back to 12-thumbnail display.
- Press the Ⓚ button when setting is complete.
- When the menu shown at right is displayed, choose **Start print** and press the Ⓚ button to start printing. Choose **Cancel** and press the Ⓚ button to return to the print menu.



Print all images

One copy each of all pictures stored in the internal memory, or on the memory card, is printed.

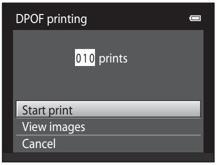
- When the menu shown at right is displayed, choose **Start print** and press the OK button to start printing. Choose **Cancel** and press the OK button to return to the print menu.



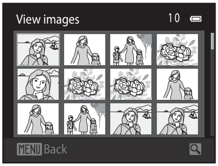
DPOF printing

Print pictures for which a print order was created using the **Print order** option (E 46).

- When the menu shown at right is displayed, choose **Start print** and press the OK button to start printing. Choose **Cancel** and press the OK button to return to the print menu.

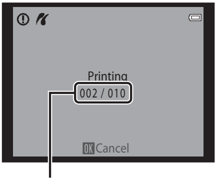


- To view the current print order, choose **View images** and press the OK button. To print pictures, press the OK button again.



5 Printing begins.

- The monitor display returns to the print menu shown in step 2 when printing is complete.
- To cancel printing before all copies have been printed, press the OK button.



Current number of copies/total number of copies

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.

Projecting the Computer Display

The PC-PJ Transfer software CD-ROM “PC-PJ Transfer” is included with the COOLPIX S1200pj. The “PC-PJ Transfer” allows you to use the camera’s built-in projector to project the computer display via a USB connection.

Before Installing PC-PJ Transfer

Before connecting the camera and the computer, install the software application using the included PC-PJ Transfer CD.

System Requirements

	Windows	Mac OS
CPU	Intel Core 2 Duo 3 GHz or above	Intel Core 2 Duo 3 GHz or above
OS	Pre-installed versions of Windows 7 Home Basic/Home Premium/Professional/ Enterprise/Ultimate, Windows Vista Home Basic/Home Premium/Business/Enterprise/ Ultimate (Service Pack 3), or Windows XP Home Edition/Professional (Service Pack 3) All installed programs run as 32-bit applications in 64-bit editions of Windows 7 and Windows Vista.	Mac OS X version, 10.4.11, 10.5.8 or 10.6.7
RAM	Windows 7, Windows Vista: 1 GB or more (1.5 GB or more recommended) Windows XP: 512 MB or more (1 GB or more recommended)	512 MB or more (1 GB or more recommended)
Hard disk space	50 MB or more required when software is running	

- It may be possible to use a computer with a lower CPU performance or less memory (RAM) than noted in the requirements above. However, the transfer frame rate, transfer image quality (E 32), and projection of movies playing on the computer will be limited.
- Recommended display resolution: 1280 × 800 pixels or less

✓ Before Installing

Turn off any virus-checking software and exit all other application software.

Installing the PC-PJ Transfer CD

1 Turn on the computer and insert the PC-PJ Transfer CD to the CD-ROM drive.

- Windows: Follow on-screen instructions to complete the installation.
- Mac OS: Double-click the CD-ROM (PC-PJ Transfer) icon on the desk top and click the **PC-PJ Transfer Installer** icon.

2 Confirm the language to be installed and click **Next**.

- If the desired language is not displayed, click **Region Selection** to choose a different region and then choose the desired language.
- Follow the on-screen instructions to install.

3 Finish installing.

- If prompted to restart the computer, follow the on-screen instructions.

Uninstalling the Software Application

- Windows: choose **Start** menu>**All programs**>**PC-PJ Transfer**>**PC-PJ Transfer Uninstall**.
- Mac OS: open **Applications** and click **Nikon Software**>**PC-PJ Transfer**>**PC-PJ Transfer Uninstaller**.

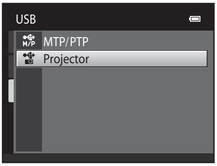
✓ Note on Using the PC-PJ Transfer

Log on to an account with administrator privileges when installing or uninstalling the PC-PJ Transfer.

Projecting the Computer Display

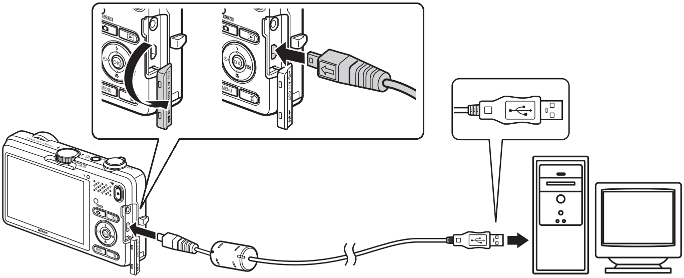
1 Before entering projector mode, display the setup menu with the camera and set **USB** in the **Interface** option (E 73) to **Projector**.

- To display the setup menu, select the 🔧 tab (□ 12) in the menu screen.



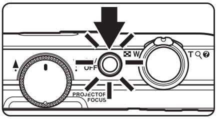
2 Turn off the camera.

3 Connect the camera to the computer using the included USB cable.



- Be sure that connectors are properly oriented. Do not attempt to insert connectors at an angle, and do not use force when connecting or disconnecting the USB cable.

4 Turn on the camera and open the projector cover.



- The camera enters projector mode. The camera's monitor remains off.
- Some computers may display a dialog prompting you to restart the computer the first time you connect the camera with the **USB** option set to **Projector**. Follow the on-screen instructions to restart the computer.

5 Start PC-PJ Transfer installed on the computer.

- Windows: Choose **Start** menu > **All Programs** > **PC-PJ Transfer** > **PC-PJ Transfer**.
- Mac OS: Open the **Applications** folder, open the **Nikon Software** > **PC-PJ Transfer** folders in that order, and then double-click the **PC-PJ Transfer** icon. Clicking the **PC-PJ Transfer** icon on the Dock will also start PC-PJ Transfer.
- Projection of the computer display begins and is displayed on the computer display.
  - Windows: is displayed on the right area of the taskbar. Right-click to display the PC-PJ Transfer menu.
  - Mac OS: is displayed on the right area of the menu bar. Click to display the PC-PJ Transfer menu.

To pause projection, select **Stop** from the PC-PJ Transfer menu. To resume projection, select **Start**.

6 Exit the projection.

- Choose **Exit** from the PC-PJ Transfer menu, close the projector cover, turn off the camera, and then disconnect the USB cable.
- When transferring pictures to the computer from the camera, set the camera's **USB** option back to **MTP/PTP**.

Notes on Projecting the Computer Display

- When **Stop** or **Exit** is selected from the PC-PJ Transfer menu while the computer display is being projected, picture transfer stops and the projection freezes on the last projected picture. Select **Exit** and turn off the camera to end the projection.
- While the computer display is being projected, the computer switches to this software's dedicated drawing mode, and the color or appearance of file names on the desktop may change (when using Windows). When **Exit** is selected from the PC-PJ Transfer menu, the computer automatically returns to its original state.

PC-PJ Transfer Settings

- Choose **Options** from the PC-PJ Transfer menu to change the **Transfer Frame Rate** or **Transfer Quality** setting.
- **Transfer Frame Rate**: The higher the transfer frame rate, the smoother the movement of the projected picture. When **Auto** is selected, the transfer frame rate is automatically set to a value ranging from 5 to 24 fps.
- **Transfer Quality**: The image quality of the projected picture can be set to **Auto**, **Low**, **Middle**, or **High**. When **Auto** is selected, the image quality is automatically set to either **Low**, **Middle**, or **High**.

Auto Off with Projection

Auto off does not function when a computer display is being projected.

Projecting PowerPoint Presentations

Save Microsoft PowerPoint® files in JPEG format, copy them to the memory card, and use the camera to project them.

1 In PowerPoint, save a PowerPoint file with a different name in JPEG format.

- A new folder with the same name as the renamed file is created, and a JPEG file for each slide of the PowerPoint document is saved in the new folder.
- Be sure to use PowerPoint to save the file with a new name. Refer to the PowerPoint Help documentation for more information on saving files with new names and in different formats.

2 Change the name of the folder and JPEG files.

- Folder name: three-digit single-byte number[1] + five-character single-byte alphabetic string[2]
  e.g. “105USERS”

JPEG file name: FSCN + four-digit single-byte number[3]
e.g. “FSCN0001.jpg,” “FSCN0002.jpg,” etc.

1. Use a three-digit number that is one higher than the highest number used for existing subfolders in the DCIM folder described in step 3. The “105” in the example above is used when “104” is the highest number in the names of existing subfolders.
2. “NIKON” cannot be used as the five-character single-byte alphabetic string.
3. The JPEG files can be projected in the same order as the slides in the PowerPoint presentation if their four-digit single-byte file numbers are placed in the same order.

3 Using the card reader, open the memory card[4] folder on the computer desktop.

- Open the DCIM folder and copy the folder containing the JPEG files created in step 2 into it.
- Additional JPEG files created from PowerPoint files can be added to the folders containing the JPEG files. (However, only the files can be added to these folders. The folders containing the files cannot be placed in these folders.)
- When removing the memory card from the computer, remove the removable disk first and then remove the memory card.

4. Use a memory card that has been formatted or used for shooting at least once with the COOLPIX S1200pj.

4 Insert the memory card into the camera, turn on the camera, and open the projector cover.

- The camera’s built-in projector operates the same as normal when projecting PowerPoint documents converted to JPEG format.

Notes on Playing Back PowerPoint Documents (JPEG Files)

- PowerPoint animations cannot be projected.
- In thumbnail playback mode, PowerPoint documents are displayed as black thumbnails.

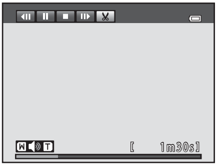
Editing Movies

The desired portions of a recorded movie can be saved as a separate file (except movies recorded using **iFrame 540 (960×540)** (E 58)).

1 Play back the desired movie and pause playback (□ 94).

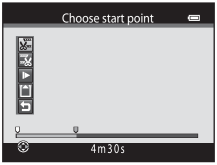
2 Press the multi selector ◀ or ▶ to choose ✂ on the control panel, and press the OK button.

- The movie edit screen is displayed.



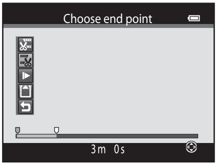
3 Press ▲ or ▼ to choose ✂ (Choose start point) on the control panel.

- When editing begins, the frame where playback was paused is the start point.
- Press the multi selector ◀ or ▶ to move the start point to the beginning of the desired portion of the movie.
- To cancel editing, choose ▲ or ▼ and select ↩ (Back) and press the OK button.



4 Press ▲ or ▼ to choose ✂ (Choose end point).

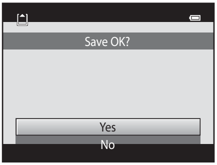
- Press the multi selector ◀ or ▶ to move the end point on the right edge to the end of the desired portion of the movie.
- Select ▶ (Preview) and press the OK button to play back the specified portion of the movie that will be saved. While the preview is playing, rotate the zoom control to **T** or **W** to adjust playback volume. While the preview is playing back, press the OK button to stop playback.



5 When the settings are finished, press ▲ or ▼ to choose **Save**, press the OK button.

6 Select **Yes** and press the ⓞⓚ button.

- The edited movie is saved.
- To exit without saving, select **No**.



Save OK?

✓ Notes on Movie Editing

- A movie that was created by editing cannot be trimmed again. To trim another area of the movie, select and edit the original movie.
- Movies are trimmed in one-second intervals, therefore the actual trimmed portion of the movie may differ slightly from the selected start and end points. Movies cannot be trimmed so that they are less than two seconds long.
- Editing functions are not available when there is not enough free space in the internal memory or on the memory card to save the edited copies.

More Information

See “Image/Sound File and Folder Names” (E 80) for more information.

Smart Portrait Menu

- See "Changing the Image Size (Image Mode)" (📖 61) for information about **Image mode**.

Skin Softening

In the smart portrait mode screen ➔ MENU button ➔ ☺ tab ➔ Skin softening

Enable skin softening. When the shutter is released, the camera detects one or more human faces (up to three), and processes the picture to soften facial skin tones before saving the picture. The degree of skin softening applied can be selected from **High**, **Normal** (default setting), and **Low**.

- The current setting can be confirmed by the indicator displayed in the monitor with shooting (📖 8). No indicator is displayed when **Off** is selected. The effects of skin softening are not visible when framing pictures for shooting. Check the degree of skin softening performed in playback mode.

Smile Timer

In the smart portrait mode screen ➔ MENU button ➔ ☺ tab ➔ Smile timer

When **On** (default setting) is selected, the camera detects human faces and then automatically releases the shutter whenever a smile is detected.

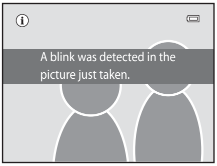
- The current smile timer setting is indicated by an icon when shooting (📖 8). No icon is displayed when **Off** is selected.

Blink Proof

In the smart portrait mode screen ➔ MENU button ➔ ☺ tab ➔ Blink proof

When **On** is selected, the camera automatically releases the shutter twice each time a picture is taken. Of the two shots, one in which the subject's eyes are open is saved.

- If the camera saved a picture in which the subject's eyes may have been closed, the dialog shown at right is displayed for a few seconds.
- Flash cannot be used when **On** is selected.
- The default setting is **Off**.
- The current blink proof setting is indicated by an icon when shooting (📖 8). No icon is displayed when **Off** is selected.


A blink was detected in the picture just taken.

- See “Changing the Image Size (Image Mode)” (🕮 61) for information about **Image mode**.

White Balance (Adjusting Hue)

In the 📷 (auto) mode shooting screen → MENU button → 📷 tab → 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 pictures according to the color of the light source. This is known as “white balance.” For natural colors, 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, the white balance setting suited to a particular light source can be specified manually to achieve more accurate results.

Option	Description
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. See “Preset Manual” for more information (E 38).
☀ Daylight	White balance adjusted for direct sunlight.
💡 Incandescent	Use under incandescent lighting.
▤ Fluorescent	Use under fluorescent lighting.
☁ Cloudy	Use when taking pictures under overcast skies.
⚡ Flash	Use with the flash.

The icon for the current setting is displayed in the monitor (🕮 8). However, when **Auto** is selected, no icon is displayed.

✔ Note on White Balance

At white-balance settings other than **Auto** or **Flash**, turn the flash off (⊗) (🕮 54).

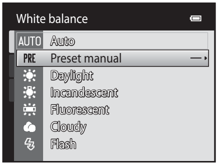
Preset Manual

The preset manual option is effective with mixed lighting or to compensate for light sources with a strong color cast when the desired effect has not been achieved with white balance settings like **Auto** and **Incandescent** (for example, to make pictures taken under a lamp with a red shade look as though they had been shot under white light). Follow the procedure below to measure the white balance value according to the light source when shooting.

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

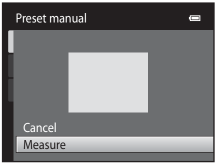
2 Display shooting menu (📖 12, 51), use the multi selector to choose PRE **Preset manual** in the **White balance** menu and press the OK button.

- The camera zooms in to the position for measuring white balance.

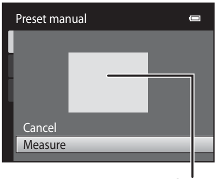


3 Choose **Measure**.

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



4 Frame the reference object in the measuring window.



Measuring window

5 Press the OK button to measure a value for preset manual.

- The shutter is released and the new white-balance value is set. No picture is recorded.

✔ Note on Preset Manual

A value for flash lighting cannot be measured with **Preset manual**. When shooting using the flash, set **White balance** to **Auto** or **Flash**.

Continuous

In the 📷 (auto) mode shooting screen → MENU button → 📷 tab → Continuous

Enable continuous shooting or **BSS** (best shot selector).

Option	Description
Single (default setting)	One picture is taken each time the shutter-release button is pressed.
Continuous	While the shutter-release button is held down, up to 18 pictures are taken at a rate of about 0.8 frames per second (fps) when **Image mode** is set to **4320×3240**.
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 ten 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 the shutter-release button is pressed, camera takes 16 shots at a rate of about 30 fps and arranges them in a single image shots. • **Image mode** is fixed at (2560 × 1920). • Digital zoom is not available.

At settings other than **Single**, the indicator for the current setting is displayed in the monitor (📖 8).

☑ Notes on Continuous Shooting

- When **Continuous**, **BSS**, or **Multi-shot 16** is selected, flash is disabled. Focus, exposure, and white balance are fixed at the values determined with the first picture in each series.
- The frame rate with continuous shooting may vary depending upon the current image mode setting, the memory card used, or shooting condition.
- There are functions with which this setting cannot be enabled. See "Features That Cannot Be Applied Simultaneously" (📖 63) for more information.

☑ Note on BSS

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

☑ Note on Multi-shot 16

Smear (☼ 5) visible in the monitor when shooting with **Multi-shot 16** enabled will be recorded with pictures. Avoiding bright objects such as the sun, reflections of the sun, and electric lights when shooting with **Multi-shot 16** enabled is recommended.

ISO Sensitivity

In the 📷 (auto) mode shooting screen → MENU button → 📷 tab → ISO sensitivity

The higher the sensitivity, the less light is needed to expose an picture, allowing capturing darker subjects. Also, a higher sensitivity allows higher shutter speeds, resulting in the picture with less camera shake and subject blur in comparison to the same subject taken under the same brightness.

- Although high ISO sensitivity settings are suited to pictures of subjects taken under dim lighting, those taken without flash, or those taken at telephoto setting, high sensitivity settings are often associated with "noise" - randomly spaced, brightly colored pixels- concentrated in dark portions of pictures.

Option	Description
Auto (default setting)	Sensitivity is ISO 80 when there is sufficient lighting, the camera compensates by raising sensitivity to a maximum of ISO 800 when lighting is dim.
Fixed range auto	Choose the range in which the camera automatically adjusts ISO sensitivity, from **ISO 80-200** (default setting) or **ISO 80-400**. The camera will not increase sensitivity beyond the maximum value in the selected range. Specify the maximum ISO sensitivity for effective control over the amount of "grain" that appears in pictures.
80, 100, 200, 400, 800, 1600, 3200, 6400	Sensitivity is locked at the specified value.

The current ISO sensitivity setting is indicated by an icon when shooting (🕮 8).

- If **Auto** is selected and the sensitivity is raised above ISO 80, the ISO icon will be displayed (🕮 8).
- When **Fixed range auto** is selected, A ISO and the maximum value of ISO sensitivity is displayed.

✓ Notes on ISO sensitivity

- There are functions with which this setting cannot be enabled. See "Features That Cannot Be Applied Simultaneously" (🕮 63) for more information.
- **Motion detection** (E 68) does not function when the ISO sensitivity is set to any setting other than **Auto**.

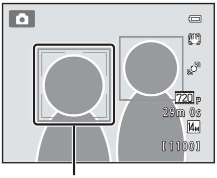
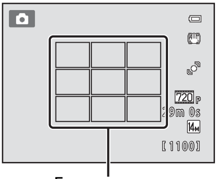
✓ Notes on ISO Sensitivity 3200 and 6400

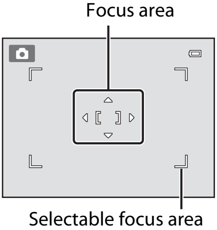
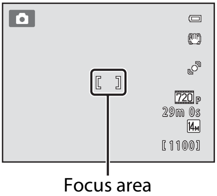
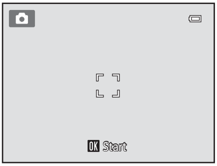
- When **ISO sensitivity** is set to **3200** or **6400**, **Image mode** settings are limited to 3M **2048×1536**, PC **1024×768**, and VGA **640×480**.
- When **ISO sensitivity** is set to **3200** or **6400**, the image mode icon is displayed in red during shooting.

AF Area Mode

In the 📷 (auto) mode shooting screen → MENU button → 📷 tab → AF area mode

Use this option to determine how the camera selects the focus area for autofocus.

Option	Description
Face priority (default setting)	When the camera detects a human face, it focuses on that face. See "Face Detection" (🕮 65) for more information. If more than one face is detected, the camera focuses on the face closest to the camera. When taking pictures of subjects other than people, or framing a subject with which no face is detected, the **AF area mode** setting switches to **Auto**, and the camera automatically selects the focus area (up to nine areas) containing the subject closest to the camera and focus on it.  Focus area
Auto	The camera automatically selects the focus area (up to nine areas) containing the subject closest to the camera and focus on it. Press the shutter-release button halfway to activate the focus area. When the shutter-release button is pressed halfway, the focus area (up to nine areas) selected by the camera will be displayed in the monitor.  Focus area

Option	Description
[·] Manual	Select one of 99 focus areas displayed in the monitor. 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 multi selector ▲, ▼, ◀, or ▶ to move the focus area to the position where you want to focus, and then shoot. • Before making any of the settings below, press the 🆗 button to cancel the focus-area selection. - Flash mode - Macro mode, self-timer, or exposure compensation When the settings are complete, press the 🆗 button again to reactivate the focus-area selection. 
[■] Center	The camera focuses on the subject at the center of the frame. The center focus area is always displayed. 
⊕ Subject tracking	Use this function to take pictures of moving subjects. Register the subject on which the camera will focus. The focus area will automatically move to track the subject. See "Using Subject Tracking" (⚯ 44) for more information. 

✓ Notes on AF Area Mode

- When digital zoom is in effect, focus will be on the center of the screen regardless of the **AF area mode** setting.
- Autofocus may not perform as expected (📖 31).
- There are functions with which this setting cannot be enabled. See "Features That Cannot Be Applied Simultaneously" (📖 63) for more information.

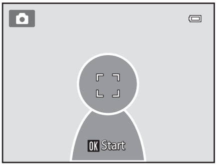
Using Subject Tracking

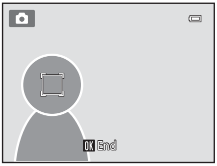
In the 📷 (auto) mode shooting screen → MENU button → 📷 tab → AF area mode → Subject tracking

Use this function to take pictures of moving subjects. When a subject is registered, the camera automatically moves the focus area to track the subject.

1 Register a subject.

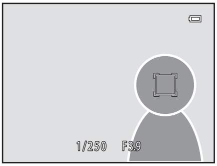
- When the white border is displayed at the center of the screen, align the subject with the border and press the OK button.
- When the border glows red, the camera is unable to focus on the subject. Change the composition and try to register the subject again.
- When the subject is registered, a yellow focus area is displayed on that subject and the camera begins tracking that subject.
- To deregister the subject, press the OK button.
- If the camera cannot track the registered subject anymore, the focus area will disappear and the registration will be canceled. Register the subject again.





2 Press the shutter-release button all the way down to take a picture.

- The camera focuses on the focus area when the shutter-release button is pressed halfway. The focus area will glow green and focus will be locked.
- If the focus area is not displayed when the shutter-release button is pressed halfway, the camera focuses on the subject at the center of the frame.



Notes on Subject Tracking Mode

- Adjust zoom position, exposure, flash mode, and menu settings prior to registering the subject.
- Subject tracking may not be possible in certain shooting conditions.
- Digital zoom is not available.

Autofocus Mode

In the 📷 (auto) mode shooting screen ➔ MENU button ➔ 📷 tab ➔ Autofocus mode

Choose how the camera focuses.

Option	Description
AF-S Single AF (default setting)	The camera focuses when the shutter-release button is pressed halfway.
AF-F Full-time AF	The camera focuses continuously until the shutter-release button is pressed down halfway. Use with moving subjects. The sound of lens drive movement will be heard while the camera focuses.

✎ Autofocus Mode for Movie Recording

Autofocus mode for movie recording can be set with **Autofocus mode** (E 58) in the movie menu (E 58).

The Playback Menu

See “Editing Pictures (Still Pictures)” (10) for information about **Quick retouch**, **D-Lighting**, **Glamour retouch**, **Filter effects** and **Small picture**.

Print Order (Creating a DPOF Print Order)

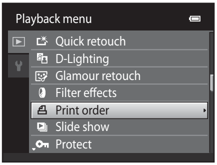
▶ button (playback mode) → MENU button → Playback menu → Print order

When printing pictures stored on the memory card using any of the following methods, the **Print order** option in the playback menu is used to create digital “print orders” for printing on DPOF-compatible devices.

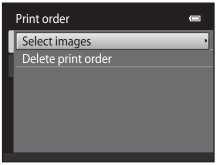
- Inserting the memory card into a DPOF-compatible (18) printer’s card slot.
- Taking the memory card to a digital photo lab.
- Connecting the camera to a PictBridge-compatible (18) printer (22). A print order can also be created for pictures stored in the internal memory if the memory card is removed from the camera.

1 Use the multi selector to choose **Print order** and press the OK button.

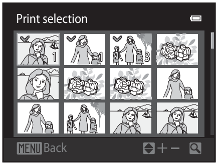
- Proceed to step 3 when playing back in favorite pictures mode, auto sort mode, or list by date mode.



2 Choose **Select images** and press the OK button.

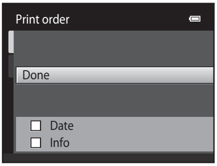


3 Choose pictures (up to 99) and the number of copies (up to nine) of each.



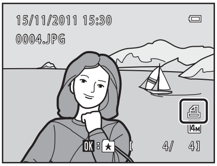
- Press the multi selector ◀ or ▶ to select pictures, and press ▲ or ▼ to specify the number of copies to be printed.
- Picture selected for printing can be recognized by the check mark (✓) icon and the numeral indicating the number of copies to be printed. If no copies have been specified for pictures, the selection is canceled.
- Rotate the zoom control to **T** (🔍) to switch to full-frame playback. Rotate the zoom control to **W** (⊞) to switch back to 12-thumbnail display.
- Press the OK button when setting is complete.

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



- Choose **Date** and press the OK button to print the shooting date on all pictures in the print order.
- Choose **Info** and press the OK button to print shutter speed and aperture value information on all pictures in the print order.
- Choose **Done** and press the OK button to complete the print order and exit.

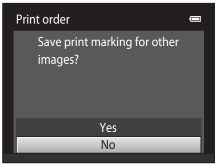
Pictures selected for printing are recognized by the 🖶 icon displayed with playback.



☑ Notes on Print Order

When a print order is created in favorite pictures mode, auto sort mode or list by date mode, the screen shown below is displayed if pictures other than those in the selected album, or category, or taken on the selected shooting date, have been marked for printing.

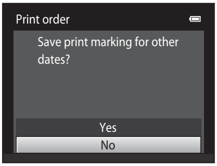
- Select **Yes** to mark the selected pictures for printing without changing the marking of other pictures.
- Select **No** to remove print marking from previously marked pictures and restrict the print order to pictures in the selected album or category, or taken on the selected shooting date.



Print order

Save print marking for other images?

Favorite pictures mode/ auto sort mode



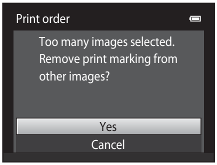
Print order

Save print marking for other dates?

List by date mode

If the total number of marked pictures exceeds 99 as a result of adding the current print order setting, the screen shown below will be displayed.

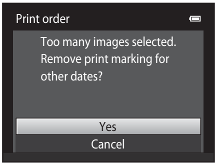
- Select **Yes** to remove print marking previously added from the print order and restrict the print order to pictures just marked.
- Select **Cancel** to cancel the settings that were just added without changing the print marking for previously marked pictures.



Print order

Too many images selected. Remove print marking from other images?

Favorite pictures mode/ auto sort mode



Print order

Too many images selected. Remove print marking for other dates?

List by date mode

✓ Notes on Printing Shooting Date and Photo Information

When the **Date** and **Info** options are enabled in the print order option, shooting date and photo information are printed on pictures when a DPOF-compatible (☀ 18) 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 included USB cable, for DPOF printing (E 28).
- Note that **Date** and **Info** settings are reset when the Print order option is displayed.
- The date printed is that recorded when the picture was taken. Changing the camera’ s date using the Time zone and date option in the setup menu after a picture has been taken has no effect on the date printed on the picture.

Canceling Existing Print Order

Select **Delete print order** in step 2 of “🖶 Print Order (Creating a DPOF Print Order)” (E 46) and press the OK button to remove print marking from all pictures and cancel the print order.

Print Date

When date and time of recording are imprinted on pictures using the **Print date** option (E 66) in the setup menu, pictures are recorded with shooting date and time imprinted on the picture when they are taken. Pictures with the date imprinted on them can be printed from printers that do not support printing of the date on pictures.

Only the date and time imprinted on pictures using the print date option will be printed, even if the date print option is enabled in the **Print order** menu.

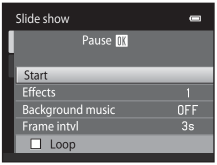
Slide Show

▶ button (playback mode) → MENU button → Playback menu → 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 multi selector to choose **Start** and press the OK button.

- See “Slide Show Options” (E 51) for more information.
- To repeat the slide show automatically, choose **Loop** and press the OK button before choosing **Start**. The check mark (✔) will be added to the loop option when enabled.



Slide show

Pause OK

Start

Effects 1

Background music OFF

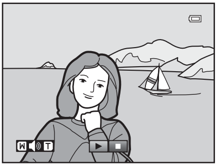
Frame intvl 3s

☐ Loop

2 The slide show begins.

- While the slide show is in progress, press the multi selector ▶ to display the subsequent picture or ◀ to display the previous picture. Hold down either button to fast forward or rewind.
- To end or pause slide show, press the OK button.
- During a slide show with **Background music**, the volume can be adjusted by rotating zoom control to **T** or **W**.

3 End the slide show or restart it.



- The screen shown on the right is displayed when the slide show has ended or is paused. To return to the playback menu, use the multi selector ◀ or ▶ to select ■ and then press the OK button.To resume the slide show, use the multi selector ◀ or ▶ to select ▶.

Slide Show Options

Choose **Effects**, **Frame intvl**, or **Background music** in step 1 under "▣ Slide Show" (E 50) to change each setting.

Effects
Select from **Classic** (default setting), **Zoom**, **Fade in**, **Selective color**, **Random flow**, or **Frosted glass**.
Background music
Select from **Up-tempo**, **Moderate tempo**, **Slow tempo**, or **None** (default setting).
Frame intvl
Specify the length of time a picture is displayed. Default setting is **3 s**. When **Manual advance only** is selected, the displayed pictures do not advance automatically. The displayed picture can be switched only by pressing the ◀ or ▶ button. Use this setting to manually switch the pictures in slide shows using transition effects or background music.

✓ Notes on Slide Show

- Only the first frame of movies (📖 94) included in a slide show is displayed.
- When using the Rechargeable Li-ion Battery EN-EL12, the maximum playback time is about 60 minutes, even if **Loop** is enabled (E 70).
- When **Effects** is set to **Random flow**, you cannot change the displayed picture by pressing the multi selector ◀ or ▶ during slide show. When **Frame intvl** is set to **Manual advance only**, the length of time is equivalent to **2 s**.

✎ Operate the Remote Control ML-L5 (Available Separately) to Project Slide Show

See "▣ Projecting Slide Shows" (📖 86) for more information.

🔑 Protect

▶ button (playback mode) ➔ MENU button ➔ Playback menu ➔ 🔑 Protect

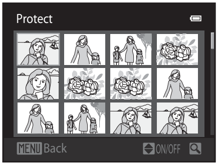
Protect selected pictures from accidental deletion.

Select pictures to protect or cancel protection for previously protected pictures from the picture selection screen. See “Selecting Pictures” (E 53).

Note that formatting the camera’s internal memory or the memory card will permanently delete protected files (E 71).

Protected pictures are recognized by the 🔑 icon (🕮 9).

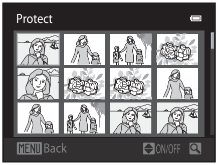
Selecting Pictures



The picture selection screen like that shown at right is displayed with the following operations:

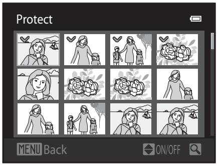
- Print order>**Select images** (E 46)
- Protect (E 52)
- Rotate image (E 54)
- Copy>**Selected images** (E 57)
- Welcome screen>**Select an image** (E 60)
- Delete>**Erase selected images** (📖 35)

Follow the procedures described below to choose the pictures.



1 Press the multi selector ◀ or ▶ to choose the desired picture.

- Rotate the zoom control (📖 2) to **T** (🔍) to switch to fullframe playback or **W** (▦) to switch back to 12-thumbnail display.
- Only one picture can be selected at a time for **Rotate image** and **Welcome screen**. Proceed to step 3.



2 Press ▲ or ▼ to select or deselect (or to specify the number of copies).

- When a picture is selected, a check mark (✓) is displayed with the picture. Repeat steps 1 and 2 to select additional pictures.

3 Press the 🆗 button to finalize selection.

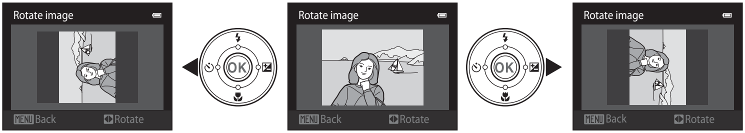
- When **Selected images** is selected, a confirmation dialog is displayed. Follow the instructions displayed in the monitor.

Rotate Image

▶ button (playback mode) ➔ MENU button ➔ Playback menu ➔ Rotate image

Specify the orientation in which recorded pictures are displayed with playback. Still pictures can be rotated 90 degrees clockwise or 90 degrees counterclockwise. Pictures that were recorded in portrait (“tall”) orientation can be rotated up to 180 degrees in either direction.

Select a picture in the picture selection screen (E 53). When the rotate image screen is displayed, press the multi selector ◀ or ▶ to rotate the picture 90 degrees.



Rotate 90 degrees counterclockwise

Rotate 90 degrees clockwise

Press the OK button to finalize display orientation, and save orientation data with the picture.

🎙 Voice Memo

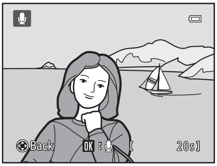
▶ button (playback mode) ➔ select a picture ➔ MENU button ➔ Playback menu ➔ 🎙 Voice memo

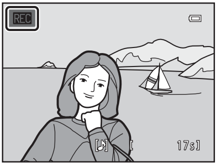
Use the camera's built-in microphone to record voice memos for pictures.

- When playing back an image with no voice memo attached, the screen changes to the recording screen. When playing back an image with a voice memo attached (indicated by the [♪] icon in full-frame), the screen changes to the voice memo playback screen.

Recording Voice Memos

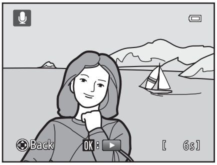
- A voice memo of up to 20 seconds can be recorded while the OK button is pressed.
- Do not touch the built-in microphone during recording.
- During recording, REC and [♪] blink in the monitor.
- When recording ends, the voice memo playback screen is displayed.





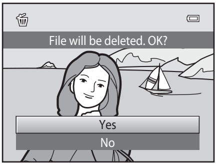
Playing Voice Memos

- Press the OK button to play the voice memo.
- Press the OK button again to stop playback.
- Rotate the zoom control to **T** or **W** during playback to adjust playback volume.
- Press the multi selector ◀ before or after playing back a voice memo to return to the playback menu. Press the MENU button to exit the playback menu.



Deleting Voice Memos

In voice memo playback screen, press the 🗑 button. Press the multi selector ▲ or ▼ to choose **Yes** and press the ⓚ button. Only the voice memo will be deleted.



File will be deleted. OK?

✓ Notes on Voice Memos

- When a picture with a voice memo attached is deleted, both the picture and its voice memo are deleted.
- Voice memos cannot be deleted from protected images.
- If a voice memo already exists for the current picture, it must be deleted before a new voice memo can be recorded.
- The COOLPIX S1200pj is not able to record a voice memo for pictures taken with another make or model of digital camera.

More Information

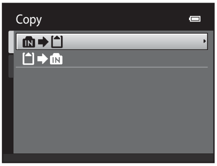
See "Image/Sound File and Folder Names" (⚯ 80) for more information.

⧉ Copy (Copy Between Internal Memory and Memory Card)

▶ button (playback mode) ➔ MENU button ➔ Playback menu ➔ ⧉ Copy

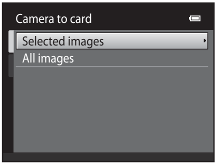
Copy pictures between the internal memory and a memory card.

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



- IN➔▯: Copy pictures from internal memory to memory card.
- ▯➔IN: Copy pictures from memory card to internal memory.

2 Select a copy option and press the OK button.



- **Selected images**: Copy pictures selected from the picture selection screen (⚭ 53).
- **All images**: Copy all pictures.

Notes on Copying Pictures

- JPEG-, MOV-, and WAV-format files can be copied. Files recorded in any other format cannot be copied.
- If voice memos (⚭ 55) are attached to pictures selected for copying, voice memos are copied with the pictures.
- Operation is not guaranteed with pictures taken with another make of camera or that have been modified on a computer.
- When copying pictures selected for a **Print order** (⚭ 46), the print marking is not copied. However, **Protect** (⚭ 52) settings are copied with pictures.
- Pictures or movies copied from the internal memory or a memory card cannot be displayed in auto sort mode (⚭ 7).
- When pictures added to albums (⚭ 4) are copied, the copies are not automatically added to the same albums as the original pictures.

"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 the MENU button 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" (⚭ 80) for more information.

The Movie Menu

Movie Options

In the shooting screen ➔ MENU button ➔ 🎥 tab ➔ Movie options

Select the desired movie option for recording movies.

Larger image sizes and faster movie bitrates mean greater image quality and larger movie file sizes.

Option	Description
720P HD 720p (1280×720) (default setting)	Movies with an aspect ratio of 16:9 are recorded. • Movie bit rate: 9.0 Mbps
iFrame iFrame 540 (960×540)	Movies with an aspect ratio of 16:9 are recorded. A format supported by Apple Inc. • Movie bit rate: 24 Mbps Movies cannot be edited (E 34). When recording movies to the internal memory, recording may stop unexpectedly in some shooting conditions. When recording movies of important events, recording to a memory card (class 6 or higher) is recommended.
VGA VGA (640×480)	Movies with an aspect ratio of 4:3 are recorded. • Movie bit rate: 3.0 Mbps

- The frame rate is approximately 30 frames per second in any options.
- See page 92 for more information about maximum movie length.

Image File Names and Folder Names

See "Image/Sound File and Folder Names" (E 80) for more information.

Autofocus Mode

In the shooting screen ➔ MENU button ➔ 🎥 tab ➔ Autofocus mode

Select the autofocus method used when recording normal speed movies.

Option	Description
AF-S **Single AF** (default setting)	Focus is locked when the ● (🎥 movie-record) button is pressed to start recording. Select this option when the distance between the camera and the subject will remain fairly consistent.
AF-F **Full-time AF**	Camera focuses continuously during movie recording. Select this option when the distance between the camera and subject will change significantly during recording. To prevent sound of camera focusing from interfering with recording, use of **Single AF** is recommended

Movie Light

In the shooting screen ➔ MENU button ➔ 🎥 tab ➔ Movie light

Enable or disable the movie light, which is used to illuminate dimly lit subjects when recording movies.

Option	Description
On	Movie light will light during movie recording.
Off (default setting)	Movie light does not light.

Wind Noise Reduction

In the shooting screen ➔ MENU button ➔ 🎥 tab ➔ Wind noise reduction

Select whether wind noise is reduced when recording normal speed movies.

Option	Description
🎙 On (default setting)	Records while minimizing the noise of wind blowing on the microphone. Suitable for recording in strong winds. During playback, not only wind noise, but other sounds may also become difficult to hear.
OFF Off	Wind noise is not reduced.

When the wind noise reduction setting is enabled, the current setting is displayed during shooting (📖 8). When **Off** is selected, an icon for the current setting is not displayed.

Enhanced Resolution

In the shooting screen ➔ MENU button ➔ 🎥 tab ➔ Enhanced resolution

Set whether or not to enhance the resolution during movie recording.

Option	Description
Auto (default setting)	Resolution is enhanced automatically. Subjects are captured in sharp detail. In certain situations, such as when the subject is dimly lit, the desired results may not be achieved.
Off	Enhanced resolution is disabled.

When changes in the brightness of the subject are severe, selecting **Off** may be appropriate. Change the setting and experiment to find the ideal setting for each situation.

The Setup Menu

Welcome Screen

MENU button ➔ 🔧 tab ➔ Welcome screen

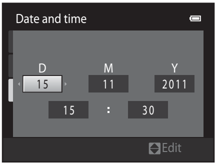
Choose whether or not a welcome screen is displayed when the camera is turned on.

Option	Description
None (default setting)	The camera enters shooting or playback mode without displaying the welcome screen.
COOLPIX	The camera displays a welcome screen and enters shooting or playback mode.
Select an image	Displays a picture selected for the welcome screen. When the picture selection screen is displayed, select a picture (E 53) and press OK button. • As the selected picture is stored by the camera, it will be displayed when the camera is turned on even if the original picture is deleted. • Pictures taken at an **Image mode** (📖 61) setting of 16:9 10M **4224×2376**, and copies created at a size of 320 × 240 or smaller using the small picture (E 18) or crop (E 19) function, cannot be used.

Time Zone and Date

MENU button ➔ 🔧 tab ➔ Time zone and date

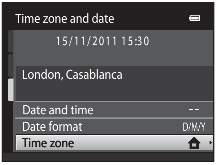
Set the camera clock.

Option	Description
Date and time	Set camera clock to current date and time. Use the multi selector to set the date and time in the displayed screen. • Select a field: Press ◀ or ▶ (the highlight switches between **D**, **M**, **Y**, hour, and minute). • Edit the highlighted field: Press ▲ or ▼. • Apply the settings: Select the minute field and press the Ⓚ button.  Date and time D M Y 15 11 2011 15 : 30 Edit
Date format	Select the order in which the day, month, and year are displayed from **Year/Month/Day**, **Month/Day/Year**, and **Day/Month/Year**.
Time zone	⌂ **Home time zone** can be specified and daylight saving enabled or disabled from time zone options. When **Travel destination** (✈) is selected, local time (⚭ 63) is automatically calculated and date and time in the selected region are recorded with pictures. Useful when traveling.

Selecting Travel Destination Time Zone

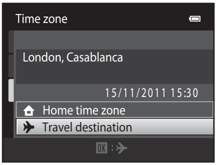
1 Use the multi selector to choose **Time zone** and press the Ⓚ button.

- The **Time zone** screen is displayed.



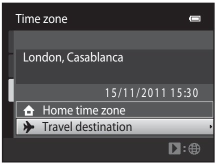
2 Choose ✈ **Travel destination** and press the Ⓚ button.

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



3 Press ▶.

- The time zone selection screen is displayed.



Time zone

London, Casablanca

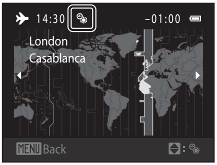
15/11/2011 15:30

⌂ Home time zone

✈ Travel destination

4 Press ◀ or ▶ to choose the travel destination time zone.

- Press ▲ in a time zone where daylight saving is in effect to enable the daylight saving time function and automatically advance the time by one hour. The ☀ icon will be displayed at the top of the monitor. Press ▼ to disable the daylight saving time function.
- Press the OK button to choose the travel destination time zone.
- While the travel destination time zone is selected, the ✈ icon will be displayed in the monitor when the camera is in shooting mode.

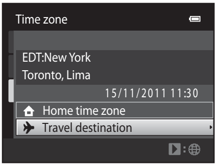


✈ 14:30 ☀ -01:00

London

Casablanca

MENU Back



Time zone

EDT:New York

Toronto, Lima

15/11/2011 11:30

⌂ Home time zone

✈ Travel destination

⌂ Home Time Zone

- To switch to the home time zone, choose ⌂ **Home time zone** in step 2 and press the OK button.
- To change the home time zone, choose ⌂ **Home time zone** in step 2 and complete steps 3 and 4.

Daylight Saving Time

When daylight saving time starts or ends, turn the daylight saving time function on or off from the time zone selection screen displayed in step 4.

Imprinting the Date on Pictures

Enable the **Print date** option (E66) in the setup menu after the date and time have been set. When the **Print date** option is enabled, pictures will be recorded with shooting date imprinted on them.

Time Zones

The camera supports the time zones listed below. For time zone not listed below, set the camera clock to local time from the **Date and time** option.

UTC +/–	Location
–11	Midway, Samoa
–10	Hawaii, Tahiti
–9	Alaska, Anchorage
–8	PST (PDT): Los Angeles, Seattle, Vancouver
–7	MST (MDT): Denver, Phoenix
–6	CST (CDT): Chicago, Houston, Mexico City
–5	EST (EDT): New York, Toronto, Lima
–4.5	Caracas
–4	Manaus
–3	Buenos Aires, Sao Paulo
–2	Fernando de Noronha
–1	Azores
±0	London, Casablanca

UTC +/–	Location
+1	Madrid, Paris, Berlin
+2	Athens, Helsinki, Ankara
+3	Moscow, Nairobi, Riyadh, Kuwait, Manama
+4	Abu Dhabi, Dubai
+5	Islamabad, Karachi
+5.5	New Delhi
+6	Colombo, Dhaka
+7	Bangkok, Jakarta
+8	Beijing, Hong Kong, Singapore
+9	Tokyo, Seoul
+10	Sydney, Guam
+11	New Caledonia
+12	Auckland, Fiji

Monitor Settings

MENU button ➔ 🔧 tab ➔ Monitor settings

Set the options below.

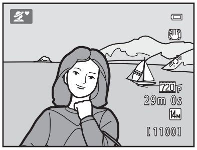
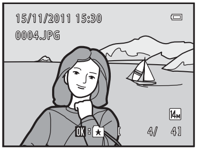
Option	Description
Photo info	Choose information displayed in the monitor during shooting and playback mode.
Image review*	**On** (default setting): Picture is automatically displayed in the monitor immediately after it is taken and the monitor display returns to shooting mode. **Off**: Picture is not displayed after it is taken.
Brightness*	Choose from five settings for monitor brightness. The default setting is **3**.

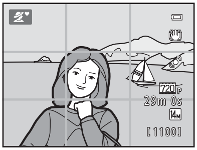
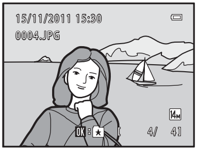
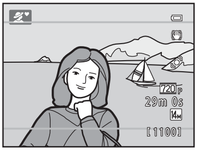
* When projecting pictures or movies, the camera cannot be set **Image review**, or **Brightness**.

Photo Info

Select whether or not the photo information is displayed in the monitor.

See “The Monitor” (📖 8) for information on indicators displayed in the monitor.

	Shooting mode	Playback mode
Show info		
Auto info (default setting)	Current settings and operational guides are displayed as in **Show info** above. If no operations are performed for a few seconds, the display will be the same as **Hide info**. Information will be displayed again when the next operation is performed.	
Hide info		

	Shooting mode	Playback mode
Framing grid+auto info	 In addition to information shown with **Auto info**, a framing grid is displayed as a reference for framing a picture. The grid is not displayed when recording movies.	 The current settings or operation guide is displayed, as in **Auto info**.
Movie frame+auto info	 In addition to information shown with **Auto info**, a frame indicating the area captured in the recorded movie is displayed before recording starts. This information is not displayed when the shutter-release button is pressed halfway or when a movie is being recorded.	The current settings or operation guide is displayed, as in **Auto info**.

Projector Settings

MENU button ➔ 🔧 tab ➔ Projector settings

Power saving mode offers automatic adjustment of projection brightness to save power.

Option	Description
Power saving	**On**: Enable power saving mode. Projection may appear slightly darker than when **Off** is selected. **Off** (default setting): Power saving mode is disabled. When the battery is low, the camera automatically adjusts projection brightness to save power even when **Off** is selected.

Print Date (Imprinting Date and Time)

MENU button ➔ 🔧 tab ➔ Print date

The shooting date and time can be imprinted on the pictures with shooting, allowing the information to be printed even from printers that do not support date printing (⚭ 49).

Option	Description
DATE Date	Date is imprinted on the pictures.
DATE Date and time	Date and time are imprinted on the pictures.
OFF Off (default setting)	Date and time are not imprinted on pictures.

The current print date setting can be confirmed in the camera monitor with shooting (📖 8). When **Off** is selected, no icon is displayed.

✓ Notes on Print Date

- Imprinted dates form a permanent part of image data and cannot be deleted. The date and time cannot be imprinted on pictures after they have been taken.
- The date cannot be imprinted in the following situations:
  - When using **Sports**, **Museum**, or **Panorama assist**, or When **Continuous** is selected for the **Pet portrait** scene mode
  - When **On** is selected for **Blink proof** (⚭ 36) in smart portrait mode.
  - When **Continuous** or **BSS** is selected for the continuous setting (⚭ 39).
  - When shooting movies
- Dates imprinted at an **Image mode** setting (📖 61) of VGA **640×480** may be difficult to read. Choose PC **1024×768** or larger when using the **Print date** option.
- The date is recorded using the format selected in the setup menu's **Time zone and date** item (📖 24, ⚭ 61).

✎ Print Date and Print Order

If using a DPOF-compatible printer that supports the printing of shooting date and photo information, it is possible to use the **Print order** option (⚭ 46) to print such information even on pictures that were not taken using the **Print date** option.

Vibration Reduction

MENU button → 🔧 tab → Vibration reduction

Select the vibration reduction option for shooting.
Vibration reduction reduces blur, caused by slight hand movement known as camera shake, which commonly occurs when shooting with telephoto zoom applied or at slow shutter speeds. The effects of camera shake are reduced when recording movies, in addition to when taking still pictures. Set **Vibration reduction** to **Off** when using a tripod to stabilize the camera during shooting.

Option	Description
✋ On (hybrid)	The effects of camera shake are reduced optically only using a lens shift method. Additional image processing with electronic vibration reduction is applied to further reduce the effects of camera shake with recording of still pictures taken under the following conditions. • when flash is disabled. • when a shutter speed slower than 1/60 seconds is used. • when **Self-timer** is disabled. • when **Single** is selected for the **Continuous** setting. • when ISO sensitivity is set to 200 or less.
✋ On (default setting)	Lens-shift method vibration reduction reduces the effects of camera shake.
OFF Off	Vibration reduction is disabled.

The current vibration reduction setting can be confirmed in the camera monitor with shooting (📖 8). When **Off** is selected, no icon is displayed.

✔ 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 picture of the monitor stabilizes before shooting.
- Due to characteristics of the vibration reduction function, pictures displayed in the camera's monitor immediately after shooting may be displayed blurry.
- Vibration reduction may be unable to completely eliminate the effects of camera shake in some situations.
- Image processing with electronic vibration reduction may not perform as expected with very slight or extreme camera shake, even when **On (hybrid)** is selected.
- Image processing with electronic vibration reduction is not enabled at fast or extremely slow shutter speeds, even when **On (hybrid)** is selected.
- When **On (hybrid)** is selected and electronic vibration reduction is activated, the shutter is automatically released twice when a picture is taken to allow for image processing. Therefore, the time required to record pictures increases. **Shutter sound** (⚯ 70) can be heard only when the shutter is released the first time and a single picture will be recorded.

Motion Detection

MENU button ➔ 🔧 tab ➔ Motion detection

Enable motion detection to reduce the effects of subject movement and camera shake when shooting still pictures.

Option	Description
Auto (default setting)	When the camera detects subject movement or camera shake, the ISO sensitivity and shutter speed are automatically increased to reduce blurring. However, motion detection does not function in the following situations. • When the flash fires. • When **Sports**, **Night portrait**, **Dusk/dawn**, **Night landscape**, **Museum**, **Fireworks show**, **Backlighting**, or **Pet portrait** scene mode is enabled. • When **ISO sensitivity** (E 41) is set to **Fixed range auto**, or ISO sensitivity is fixed at a particular value in 📷 (auto) mode. • In 📷 (auto) mode, when **Multi-shot 16** (E 39) is enabled. • When **AF area mode** (E 42) is set to **Subject tracking** in 📷 (auto) mode • When shooting movies
OFF Off	Motion detection is not enabled.

The current motion detection setting can be confirmed in the camera monitor with shooting (📖 8). The motion detection icon turns green when the camera detects camera shake and increases shutter speed. When **Off** is selected, no icon is displayed.

☑ Notes on Motion Detection

- Motion detection may be unable to completely eliminate the effects of subject movement and camera shake in some situations.
- Motion detection may not function if the subject exhibits significant movement or is too dark.
- The pictures taken using motion detection may be somewhat “grainy” in appearance.

AF Assist

MENU button ➔ 🔧 tab ➔ AF assist

Enable or disable AF-assist illumination, which assists autofocus operation when the subject is poorly lit.

Option	Description
Auto (default setting)	AF-assist illumination is used to assist the focus operation when the subject is poorly lit. The illuminator has a range of about 4.5 m (14 ft) at the maximum wide-angle position and about 3.0 m (9 ft 10 in.) at the maximum telephoto position. Note that for some scene modes such as **Museum** (📖 43) or **Pet portrait** (📖 45) scene mode, or focus areas, the AF-assist illuminator may not light even when Auto is selected.
Off	AF-assist illuminator does not light up. The camera may be unable to focus under dim lighting.

Digital Zoom

MENU button ➔ 🔧 tab ➔ Digital zoom

Enable or disable digital zoom.

Option	Description
On (default setting)	When the camera is zoomed in to the maximum optical zoom position, rotating the zoom control to **T** (🔍) triggers digital zoom (📖 29).
Off	Digital zoom will not be activated (except during movie recording).

☑ Notes on Digital Zoom

- When digital zoom is used, the camera focuses at the center of the frame regardless of the AF area mode setting.
- Digital zoom cannot be used in the following situations.
  - When **Portrait**, **Night portrait**, **Night landscape**, or **Pet portrait** scene mode is selected
  - When smart portrait mode is selected
  - When **Continuous** is set to **Multi-shot 16** (E 39)
  - When **AF area mode** (E 42) is set to **Subject tracking** in auto mode

Sound Settings

MENU button ➔ 🔧 tab ➔ Sound settings

Adjust the following sound settings.

Option	Description
Button sound	Select **On** (default setting) or **Off**. When **On** is selected, a beep will sound once when operations are completed successfully, twice when the camera acquires focus on the subject, and three times when an error is detected. Start-up sound will also play when the camera is turned on.
Shutter sound	Select **On** (default setting) or **Off**. No sound is played with shutter release when some features such as continuous shooting or BSS (best shot selector) are enabled, or recording movies, even if **On** is selected.

✓ Notes on Sound Settings

- In **Pet portrait** scene mode, button and shutter sounds are disabled.
- The button sound is not generated when the projector is in operation.

Auto Off

MENU button ➔ 🔧 tab ➔ Auto off

When the camera is on and a period of time passes without any operations having been performed, the monitor will be turned off and the camera will enter standby mode (📖 23) to save power. In this option, set the time allowed to elapse before the camera enters standby mode. **30 s**, **1 min** (default setting), **5 min**, and **30 min** can be selected.

When the Monitor Turns off for the Power Saving Function

- Power-on lamp blinks in standby mode.
- Camera turns off after three minutes passes in standby mode.
- To reactivate the monitor while the power on lamp is blinking, press any of the following buttons:
  - Power switch, shutter-release button, 📷 button, ▶ button or ● (🎥 movie-record) button
- See "Auto Off with Projection" (📖 82) for more information.

Auto Off Settings

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

- When a menu is displayed: three minutes
- During slide show playback: up to 60 minutes (when using the Rechargeable Li-ion Battery EN-EL12)
- When the AC adapter EH-62F is connected: 30 minutes

Format Memory/Format Card

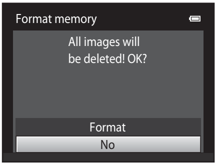
MENU button ➔ 🔧 tab ➔ Format memory/Format card

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

Formatting the internal memory or memory cards permanently deletes all data. Data that has been deleted cannot be restored. Be sure to transfer important pictures to a computer before formatting.

Formatting the Internal Memory

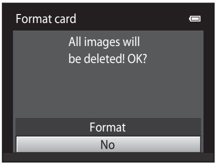
To format the internal memory, remove the memory card from the camera. The **Format memory** option is displayed in the setup menu.



All images will be deleted! OK?

Formatting a Memory Card

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



All images will be deleted! OK?

✓ Formatting Internal Memory and Memory Cards

- Formatting the internal memory or memory card restores album icon settings (E 6) to the default setting (displayed as number).
- Do not turn the camera off, or open the battery-chamber/memory card slot cover during formatting.
- The first time you insert a memory card that has been used in another device into this camera, be sure to format it with this camera.

Language

MENU button → 🔧 tab → Language

Choose one of 29 languages for display of camera menus and messages.

Čeština	Czech
Dansk	Danish
Deutsch	German
English	(default setting)
Español	Spanish
Ελληνικά	Greek
Français	French
Indonesia	Indonesian
Italiano	Italian
Magyar	Hungarian
Nederlands	Dutch
Norsk	Norwegian
Polski	Polish
Português (BR)	Brazilian Portuguese
Português (PT)	Portuguese

Русский	Russian
Română	Romanian
Suomi	Finnish
Svenska	Swedish
Tiếng Việt	Vietnamese
Türkçe	Turkish
Українська	Ukrainian
عربي	Arabic
简体中文	Simplified Chinese
繁體中文	Traditional Chinese
日本語	Japanese
한글	Korean
ภาษาไทย	Thai
हिन्दी	Hindi

Interface

MENU button ➔ 🔧 tab ➔ Interface

Adjust settings necessary for connection to computer or television.

Option	Description
USB	Select the communication method used when the camera is connected to a computer or printer. • **MTP/PTP**(default setting): Select when transferring pictures from the camera to the computer (📖 75), or when connecting the camera to the printer (📖 72, E 23). • **Projector**: Select when using the built-in projector to project the computer display.
Video mode	Adjust video mode settings for connection to a television. Select from **NTSC** and **PAL**.

Charge by Computer

MENU button ➔ 🔧 tab ➔ Charge by computer

Choose whether or not the battery inserted in the camera is charged when the camera is connected to a computer via USB cable.

Option	Description
Auto (default setting)	When the camera is connected to a computer that is running, the battery inserted into the camera is automatically charged using power supplied by the computer.
Off	The battery inserted into the camera is not charged when the camera is connected to a computer.

✓ Notes on Connecting the Camera to a Printer

- The battery cannot be charged with connection to a printer, even if the printer complies with the PictBridge standard.
- When **Auto** is selected for **Charge by computer**, it may be impossible to print pictures with direct connection of the camera to some printers. If the **PictBridge** startup screen is not displayed in the monitor after the camera is connected to a printer and turned on, turn the camera off and disconnect the USB cable. Set **Charge by computer** to **Off** and reconnect the camera to the printer.

Notes on Charging with Connection to a Computer

- The battery cannot be charged, nor can data be transferred, when the camera is connected to a computer before the camera' s display language and date and time have been set (🕮 24). If the camera's clock battery (🕮 25) has been exhausted, the date and time must be reset before the battery can be charged or pictures can be transferred with connection to a computer. In this case, use the Charging AC Adapter EH-69P (🕮 18) to charge the battery and then set the camera's date and time.
- If the camera is turned off, charging will also stop.
- If a computer enters sleep mode while charging, charging will stop and the camera may be turned off.
- When disconnecting the camera from a computer, turn the camera off and then disconnect the USB cable.
- It takes about 5 hours to charge a fully exhausted battery. Charging time increases when pictures are transferred while the battery is charging.
- When the camera is connected to a computer, an application installed on the computer, such as Nikon Transfer 2, may start. If the camera was connected to the computer for the sole purpose of charging the battery, exit the application.
- The camera turns off automatically if there is no communication with the computer for 30 minutes after the battery has finished charging.
- Depending upon computer specifications, settings, and power supply and allocation, it may be impossible to charge the battery inserted into the camera via computer connection.

Charge Lamp

The following chart explains charge lamp status when the camera is connected to a computer.

Charge lamp	Description
Blinks slowly (green)	Battery charging.
Off	Battery not charging. When the charge lamp changes from slow blinking (green) to off while the power-on lamp is lit, charging is complete.
Flickers (green)	• The ambient temperature is not suited to charging. Charge the battery indoors with an ambient temperature of 5°C to 35°C (41°F to 95°F). • A USB cable is not correctly connected or the battery is faulty. Reconnect the USB cable correctly or replace the battery. • Computer is in sleep mode and does not supply power. Reboot the computer. • The battery cannot be charged because the computer' s specifications or settings do not support power supply to the camera.

Blink Warning

MENU button ➔ 🔧 tab ➔ Blink warning

Specify whether or not the camera detects human subjects that have blinked when shooting with face detection (📖 65) in the following modes.

- When 📷 (easy auto) mode is selected.
- **Portrait** (📖 40), or **Night portrait** (📖 41) is selected for the scene mode.
- 📷 (auto) mode (when **Face priority** (E 42) is selected for AF area mode option).

Option	Description
On	When the camera detects that one or more human subjects may have blinked in a picture taken using face detection, the Did someone blink? screen is displayed in the monitor. The face of the human subject that may have blinked when the shutter was released is framed by a yellow border. Should this occur, check the picture and determine whether or not another picture should be taken. See "Operating the Blink Warning Screen" (E 76) for more information.
Off (default setting)	Blink warning is not enabled.

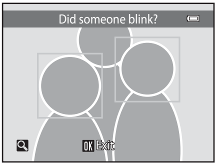
✓ Note on Blink Warning

The blink warning does not function at continuous settings of **Continuous**, **BSS**, or **Multi-shot 16**.

Operating the Blink Warning Screen

When the Did someone blink? screen shown on the right is displayed in the monitor, the operations described below are available.

If no operations are performed within a few seconds, the camera automatically returns to shooting mode.



Option	Use	Description
Enlarge the detected face that blinked	**T** (🔍)	Rotate the zoom control to **T** (🔍).
Switch to full-frame playback	**W** (▦)	Rotate the zoom control to **W** (▦).
Select the face to be displayed		If the camera detects that more than one human subject blinked, press ◀ or ▶ with display zoomed in to switch to another face.
Delete the picture	🗑	Press the 🗑 button.
Switch to shooting mode	🆗	Press the 🆗 button or the shutter-release button.

Reset All

MENU button → 🔧 tab → Reset all

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

Basic Shooting Functions

Option	Default value
Flash mode (📖 54)	Auto
Self-timer (📖 56)	Off
Macro mode (📖 57)	Off
Exposure compensation (📖 58)	0.0

Scene Mode

Option	Default value
Scene mode setting in the shooting-mode selection menu (📖 39)	Portrait
Hue adjustment in Food mode (📖 43)	Center
Continuous in pet portrait mode (📖 45)	Continuous
Pet portrait auto release in pet portrait mode (📖 45)	On

Smart Portrait Menu

Option	Default value
Skin softening (E 36)	Normal
Smile timer (E 36)	On
Blink proof (E 36)	Off

Shooting Menu

Option	Default value
Image mode (📖 61)	14M 4320×3240
White balance (E 37)	Auto
Continuous (E 39)	Single
ISO sensitivity (E 41)	Auto
AF area mode (E 42)	Face priority
Autofocus mode (E 45)	Single AF

Movie Menu

Option	Default value
Movie options (E 58)	720p HD 720p (1280×720)
Autofocus mode (E 58)	Single AF
Movie light (E 59)	Off
Wind noise reduction (E 59)	On
Enhanced resolution (E 59)	Auto

Setup Menu

Option	Default value
Welcome screen (E 60)	None
Photo info (E 64)	Auto info
Image review (E 64)	On
Brightness (E 64)	3
Power saving (E 65)	Off
Print date (E 66)	Off
Vibration reduction (E 67)	On
Motion detection (E 68)	Auto
AF assist (E 69)	Auto
Digital zoom (E 69)	On
Button sound (E 70)	On
Shutter sound (E 70)	On
Auto off (E 70)	1 min
USB (E 73)	MTP/PTP
Video mode (E 73)	NTSC
Charge by computer (E 73)	Auto
Blink warning (E 75)	Off

Others

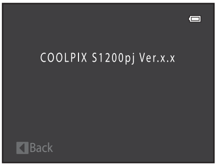
Option	Default value
Paper size (E 25, E 26)	Default
Slide show effects (E 51)	Classic
Back ground music for slide show (E 51)	None
Frame interval for slide show (E 51)	3 s

- Choosing **Reset all** also clears the current file number (E 80) from memory. Numbering will continue from the lowest number available. To reset file numbering to "0001", delete all pictures (📖 34) before selecting **Reset all**.
- The following menu settings will remain unaffected when menus are reset with **Reset all**.
  Shooting menu: Preset manual data (E 38) acquired for **White balance**
  Setup menu: Picture selected for **Welcome screen** (E 60), **Time zone and date** (E 61), **Language** (E 72), and **Video mode** in **Interface** (E 73)

Firmware Version

MENU button → 🔧 tab → Firmware version

View the current camera firmware version.



COOLPIX S1200pj Ver.x.x

Image/Sound File and Folder Names

Pictures, movies or voice memos are assigned file names as follows.

DSCN0001.JPG

Identifier (not shown on camera monitor)

Original still pictures (voice memo attachment included) and movies	DSCN
Small copies (voice memo attachment included)	SSCN
Cropped copies (voice memo attachment included)	RSCN
Copies created using editing functions other than small picture and crop (voice memo attachment included) and movies created by movie editing function	FSCN

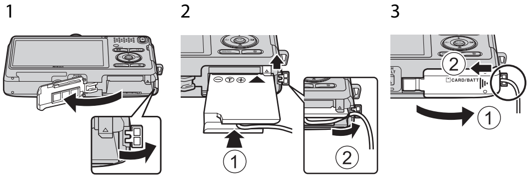
Extension (indicates file format)

Still pictures	.JPG
Movies	.MOV
Voice memos	.WAV

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 sequential number for pictures taken in **Panorama assist** scene mode (e.g. “101P_001”; ⚯ 2) and “NIKON” for all other pictures (e.g. “100NIKON”). When the number of files within a folder reaches 9999, a new folder will be created. File numbers will be assigned automatically starting with “0001.”
- Voice memo file names have the same identifier and file number as the picture to which the voice memo is attached.
- Files copied using **Copy**>**Selected images** 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** copies 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 (⚯ 57).
- A single folder can hold up to 200 files; if the current folder already contains 200 files, a new folder, named by adding one to the current folder name, will be created the next time a file is stored. If the current folder is numbered 999 and contains 200 files, or a file is numbered 9999, no further files can be stored until the internal memory or memory card is formatted (⚯ 71), or a new memory card is inserted.

Optional Accessories

Rechargeable battery	Rechargeable Li-ion Battery EN-EL12[1]
Charging AC Adapter	Charging AC Adapter EH-69P[1, 2]
Battery charger	Battery Charger MH-65[2]
AC adapter	AC Adapter EH-62F (connect as shown)  Be sure that the power connector cord has been properly aligned in power connector and battery chamber grooves before closing the battery-chamber/memory card slot cover. If part of the cord runs out of the grooves, the cover or cord may be damaged when the cover is closed.
Audio/video cable	Audio Video Cable EG-CP16
Remote control	Remote Control ML-L5

[1] Included with the camera at the time of purchase (→ 🕮 ii).

[2] When using in other countries, use a plug adapter (available commercially) as necessary. For more information about plug adapters, consult your travel agency.

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	Description	Solution	📖
🕘 (blinks)	Clock not set.	Set date and time.	E61
ℹ Battery exhausted.	Battery exhausted.	Charge or replace the battery.	16, 18
⚠ Battery temperature high	Battery temperature is high.	Turn off camera, and allow battery to cool down before resuming use. After five seconds, the monitor will turn off and the power-on lamp will blink rapidly. After the lamps blink for three minutes, the camera will turn off automatically. Pressing the power switch also turns off the camera.	23
⚠ The camera will turn off to prevent overheating.	The camera has become hot.	The camera turns off automatically. Leave the camera off until it has cooled and then turn it on again.	81
ℹ No signal. The camera will turn off.	There is no signal from the connected device.	Input a signal from the connected device.	81
⚠ Close the projector cover	The projector cover is opened.	• Close the projector cover • To resume projection, close the projector cover, turn the camera off and back on, and open the projector cover.	81
AF● (● blinks red)	Camera cannot focus.	• Refocus. • Use focus lock.	28, 31 68
⚠ 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.	–
ℹ Memory card is write protected.	Write-protect switch is in “lock” position.	Slide write-protect switch to “write” position.	–

Display	Description	Solution	📖
⚠ This card cannot be used.	Error accessing memory card.	• Use approved card. • Check that connectors are clean. • Confirm that memory card is correctly inserted.	21 20 20
⚠ This card cannot be read.			
⚠ Card is not formatted. Format card? Yes No	Memory card has not been formatted for use in COOLPIX S1200pj.	Formatting deletes all data stored on the memory card. Be sure to select **No** and make copies of any pictures you wish to keep before formatting the memory card. Select **Yes** and press the OK button to format the memory card.	20
ⓘ Out of memory.	Memory card is full.	• Choose smaller image size. • Delete pictures. • Insert new memory card. • Remove memory card and use internal memory.	61 34 20 21
⚠ Image cannot be saved.	Error occurred while recording picture.	Format internal memory or memory card.	E71
	Camera has run out of file numbers.	Insert a new memory card, or format internal memory or memory card.	E80
	Picture cannot be used for welcome screen.	The following pictures cannot be registered as welcome screen. • Pictures taken at an **Image mode** setting of **16:9 10M 4224×2376** • Pictures reduced to 320 × 240 size or smaller with cropping or small picture editing	E60
	Insufficient space to save a copy.	Delete pictures from destination.	34
ⓘ Album is full. No further pictures can be added.	200 pictures have already been added to album.	• Remove some pictures from album. • Add to other albums.	E5 E4
⚠ Sound file cannot be saved.	A voice memo cannot be attached to this file.	• Voice memos cannot be attached to movies. • Select a picture taken with COOLPIX S1200pj.	– E56

Display	Description	Solution	📖
ⓘ A blink was detected in the picture just taken.	One or more portrait subjects may have blinked when the picture was taken.	Check the picture in playback mode.	49
ℹ Image cannot be modified.	Cannot edit selected picture.	• Be sure that the picture meets editing requirements. • Movies cannot be edited.	E 11 –
ⓘ Cannot record movie.	Time out error while recording movie.	Choose memory card with faster write speed.	21
ℹ Memory contains no images.	No pictures in the internal memory or memory card.	• To play back pictures stored in internal memory, remove memory card from the camera. • To copy picture from internal memory to memory card, press the **MENU** button. The copy screen will be displayed and pictures in the internal memory can be copied to memory card.	21 E 57
	The picture has not been added to album.	• Add the picture to album. • Choose the album that the picture was added.	E 4 E 5
	No pictures are contained in the category selected in auto sort mode.	Select the category containing the sorted pictures.	E 7
ℹ File contains no image data.	File not created with COOLPIX S1200pj.	File cannot be viewed on COOLPIX S1200pj. View file using a computer or the devices used to create or edit this file.	–
❗ This file cannot be played back.			
ℹ All images are hidden.	No pictures available for a slide show.	–	E 50
ℹ This image cannot be deleted.	Picture is protected.	Disable protection.	E 52

Display	Description	Solution	📖
ⓘ Travel destination is in the current time zone.	Destination in same time zone as home.	–	E 61
Lens error ❗	Lens error.	Turn camera off and then on again. If error persists, contact retailer or Nikon-authorized service representative.	22
(!) Communications error	Error occurred during communication with printer.	Turn camera off and reconnect USB cable.	E 23
System error ❗	Error has occurred in camera's internal circuitry.	Turn camera off, remove and reinsert battery, and turn camera on. If error persists, contact retailer or Nikon-authorized service representative.	17
(!)🖨 Printer error: check printer status.	Printer error.	Check printer. After solving the problem, select **Resume** and press the OK button to resume printing.*	–
(!)🖨 Printer error: check paper	Specified size of paper is not loaded in printer.	Load the specified paper, select **Resume** and press the OK button to resume printing.*	–
(!)🖨 Printer error: paper jam	Paper has jammed in the printer.	Remove the jammed paper, select **Resume** and press the OK button to resume printing.*	–
(!)🖨 Printer error: out of paper	No paper is loaded in printer.	Load the specified paper, select **Resume** and press the OK button to resume printing.*	–
(!)🖨 Printer error: check ink	Ink error.	Check ink, select **Resume** and press the OK button to resume printing.*	–
(!)🖨 Printer error: out of ink	Running out of ink or ink cartridge is empty.	Replace ink cartridge, select **Resume** and press the OK button to resume printing.*	–
(!)🖨 Printer error: file corrupt	An error caused by the image file has occurred.	Select **Cancel** and press the OK button to cancel printing.	–

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

Technical Notes and Index

Maximizing Camera Life and Performance

To ensure continued enjoyment of this Nikon product, observe the precautions described below in addition to the warnings in “For Your Safety” (📖 vi) 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 charge 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 or Memory Card

Do not remove the battery while the product is on, or while pictures 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.

✔ Do Not Leave the Projector Cover Open When the COOLPIX S1200pj Is Not in Use

The projected image may become faded or discolored if the projector window is exposed to direct or indirect sunlight or bright electric light for an extended period of time.

The Battery

- Check the battery level before using the camera and replace or charge the battery if necessary. Do not continue charging once the battery is fully charged as this will result in reduced battery performance. Whenever possible, carry a fully charged spare battery when taking pictures on important occasions.
- Do not use the battery at ambient temperatures below –10°C (14°F) or above 40°C (104°F).
- Charge the battery indoors with an ambient temperature of 5°C to 35°C (41°F to 95°F) before use.
- When charging the battery inserted into the COOLPIX S1200pj using the Charging AC Adapter EH-69P or a computer, the charge capacity may decrease at ambient temperatures 45 °C to 60 °C (113 °F to 140 °F). The battery is not charged at ambient temperatures below 0 °C (32 °F) or above 60 °C (140 °F).
- Note that the battery may become hot during use; wait for the battery to cool before charging. Failure to observe these precautions could damage the battery, impair its performance, or prevent it from charging normally.
- On cold days, the capacity of batteries tends to decrease. Be sure that the battery is fully charged before heading outside to take pictures in cold weather. Keep spare batteries in a warm place and exchange as necessary. Once warmed, a cold battery may recover some of its charge.
- Dirt on the battery terminals can prevent the camera from functioning. Should the battery terminals become dirty, wipe them off with a clean, dry cloth before use.
- If the battery will not be used for some time, insert it in the camera and completely exhaust it before removing it for storage. The battery should be stored in a cool location with an ambient temperature of 15°C to 25°C (59°F to 77°F). Do not store the battery in hot or extremely cold locations.
- Always remove the battery from the camera or optional battery charger when it is not being used. When inserted, minute amounts of current flow even when unused, and the battery may become excessively drained and no longer function. Turning the camera on or off while the battery is exhausted can result in reduced battery life.
- Recharge the battery at least once every six months and completely exhaust it before returning it to storage.
- After removing the battery from the camera or optional battery charger, replace the included terminal cover and store it in a cool place.
- 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.

Charging AC Adapter Information

- The Charging AC Adapter EH-69P is for use only with compatible devices. Do not use with another make or model of device.
- The EH-69P is compatible with AC 100-240 V, 50/60 Hz electrical outlets. When using in other countries, use a plug adapter (available commercially) as necessary. For more information about plug adapters, consult your travel agency.
- Do not, under any circumstances, use another make or model of AC adapter other than Charging AC Adapter EH-69P or USB-AC adapter. Failure to observe this precaution could result in overheating or in damage to the camera.

Memory Cards

- Use only Secure Digital memory cards. See “Approved Memory Cards” (🕮 21) for more information about memory cards.
- Be sure to follow the precautions described in the documentation included with the memory card.
- Do not put labels or stickers on memory cards.
- We recommend using the camera to format memory cards that have never been used with the camera. Before using a memory card that was previously used in another device, be sure to use this camera to format the memory card.
- Note that ***formatting permanently deletes all images and other data on the memory card.*** Be sure to make copies of any pictures you wish to keep before formatting the memory card.
- If the message **Card is not formatted. Format card?** is displayed when the camera is turned on, the memory card must be formatted. If there is data that you do not want to delete, select **No**. Copy the necessary date to a computer, etc. If you want to format the card, select **Yes**. The confirmation dialog will be displayed. To start formatting, press the 🆗 button.
- 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:
  - Open the battery-chamber/memory card slot cover to remove/insert the battery or memory card.
  - Turn off the camera
  - Disconnect the AC adapter
- Do not format the memory card using a computer.

Cleaning

Lens	Avoid touching the lens/projector window 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/projector window with a soft cloth, using a spiral motion that starts at the center of them and working toward the edges. If this fails, clean them 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 other sandy or dusty environment, wipe off any sand, dust or salt with a dry cloth lightly dampened with fresh water and 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. Be sure that the power-on lamp is off before putting the camera away. Remove the battery if the camera will not be used for an extended period. Do not store the camera with naphtha or camphor moth balls, or in any of the following locations:

- Next to equipment that produces strong electromagnetic fields, such as televisions or radios
- Exposed to temperatures below –10°C (14°F) or above 50°C (122°F)
- Places that are poorly ventilated or subject to humidity 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.

- For storing the battery, follow the precautions in “The Battery” (☼ 3) in “Maximizing Camera Life and Performance”.

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. Pictures recorded using the product will not be affected.
- White or colored streaks may be visible when bright subjects are framed in the monitor. This phenomenon, known as “smear,” occurs when extremely bright light strikes the image sensor; it is characteristic of image sensors and does not indicate a malfunction. Smear may also take the form of partial discoloration in the monitor during shooting. It does not appear in pictures recorded with the camera except in the cases of movies and of pictures recorded with **Multi-shot 16** selected for **Continuous**. When shooting in these modes, we recommend that you avoid bright subjects such as the sun, reflected sunlight, and electric lights.
- Pictures 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.

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.

Display, Settings and Power Supply

Problem	Cause/Solution	📖
Battery inserted into the camera cannot be charged.	• Confirm all connections. • **Off** is selected for **Charge by computer** in the setup menu. • When charging by connecting the camera to a computer, battery charging stops when the camera is turned off. • When charging by connecting the camera to a computer, battery charging stops when the computer is suspended (sleeping), and the camera may turn off. • Depending upon computer specifications, settings, and status, it may be impossible to charge the battery inserted into the camera via computer connection.	18 100, ⚯ 73 100, ⚯ 74 100, ⚯ 74 –
Camera cannot be turned on.	• Battery is exhausted. • When connecting to an electrical outlet using a Charging AC Adapter, the camera cannot be turned on.	22 18
Camera turns off without warning.	• Battery is exhausted. • Camera has turned off automatically to save power. • The camera has become hot due to the heat of the projector. Leave the camera off until it has cooled and then turn it on again. • The camera and battery may not work properly at low temperatures. • The camera turns off if the Charging AC Adapter is connected while the camera is on. • The USB cable connecting the camera to the computer or printer has been disconnected. Reconnect the USB cable.	22 23, ⚯ 70 81, ⚯ 82 💡 3 18 72, ⚯ 23

Problem	Cause/Solution	📖
Monitor is blank.	- Camera is off. - Battery is exhausted. - Standby mode for saving power. Press the power switch, shutter-release button, 📷 button, ▶ button, or ● (🎥 movie-record) button. - When flash lamp blinks red, wait until flash has charged. - Camera and computer are connected via USB cable. - Camera and TV are connected via audio/ video cable. - The monitor turns off, while the projector is in operation.	23 22 23 54 72 72, 🔗 21 80
Monitor is hard to read.	- Adjust monitor brightness. - Monitor is dirty. Clean monitor.	98, 🔗 64 💡 5
Date and time of recording are not correct.	- If camera clock has not been set, "Date not set" indicator blinks with shooting and movie recording. Pictures and movies recorded before clock is set are dated "00/00/0000 00:00" or "01/01/2011 00:00" respectively. Set the correct time and date from the **Time zone and date** option in the setup menu. - Check camera clock regularly against more accurate timepieces and reset as required.	24, 🔗 61 25, 🔗 61
No indicators displayed in monitor.	**Hide info** is selected for **Photo info**. Select **Show info**.	98, 🔗 64
Print date not available.	Camera clock has not been set.	24, 🔗 61
Date not appearing on pictures even when **Print date** is enabled.	The current shooting mode is one that does not support **Print date**.	99, 🔗 66
Screen for setting time zone and date is displayed when the camera is turned on.	Clock battery is exhausted; all settings were restored to their default values.	24, 25
Camera settings reset.		

Problem	Cause/Solution	📖
Monitor turns off, and the power-on lamp blinks rapidly.	Battery temperature is high. Turn off camera and allow battery to cool down before resuming use. After the lamp blinks for three minutes, the camera will turn off automatically. Pressing the power switch also turns off the camera.	23
Camera becomes hot.	The camera may become hot when shooting movies for an extended period of time or when the camera is used in a hot area; this is not a malfunction.	–
Camera does not respond to remote control (available separately) operation.	• Battery of the remote control is exhausted. • Point the remote control at the infrared receiver on the front or rear of the camera at the distance within approximately 5 m (16 ft.). • The remote control cannot be used when **Smile timer** is set to **On** in smart portrait mode and the camera detects human faces. • The shutter may not be released when attempting to use the remote control to take pictures of scenes exhibiting severe backlighting.	5 36, 81 47 –

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 the 📷 button, shutter-release button, or ● (🎥 movie-record) button. • When menus are displayed, press the **MENU** button. • Battery is exhausted. • When flash lamp blinks, flash is charging.	6, 10 12 22 54
Camera cannot focus.	• The subject is too close to the camera. Try shooting with macro mode or in 📷 (easy auto) mode or **Close-up** scene mode. • The intended subject is one with which autofocus does not perform well. • Select **Auto** for **AF assist** in the set up menu. • Turn camera off and then on again.	38, 39, 57 31 99, ⚯ 69 23
Pictures are blurred.	• Use flash. • Increase the ISO sensitivity value. • Enable vibration reduction. • Use **BSS**. • Use tripod and self-timer.	54 51, ⚯ 41 99, ⚯ 67 51, ⚯ 39 56
Streaks of light or partial discoloration are visible in the monitor.	Smear occurs when extremely bright light strikes the image sensor. When shooting with **Continuous** set to **Multi-shot 16** and when recording movies, avoiding bright objects, such as the sun, reflections of the sun, and electric lights is recommended.	⚯ 40, ☼ 5
Bright specks appear in pictures taken with flash.	Flash is reflecting off particles in air. Set the flash mode setting to ⊘ (off).	55
Flash does not fire.	• The flash mode is set to ⊘ (off). • Some scene modes with which the flash does not function is selected. • **On** is selected for **Blink proof** in smart portrait menu. • Another function that restricts flash is enabled.	55 39 49 63

Problem	Cause/Solution	📖
Digital zoom cannot be used.	• **Digital zoom** is set to **Off** in the setup menu. • Digital zoom is not available in the following situations. - When **Portrait**, **Night portrait**, **Night landscape**, or **Pet portrait** scene mode is selected. - When shooting in smart portrait mode. - When **Continuous** is set to **Multi-shot 16**. - When **AF area mode** is set to **Subject tracking** in auto mode	99, 👓 69 40, 41, 45 47 51, 👓 39 52, 👓 43
Image mode not available.	Another function that restricts the **Image mode** option is enabled.	61
No sound when shutter is released.	• **Off** is selected for **Sound settings**>**Shutter sound** in the setup menu. No sound is heard with some shooting modes and settings, even when **On** is selected. • The speaker is blocked. Do not cover the speaker.	99, 👓 70 3, 28
AF-assist illuminator does not light up.	**Off** is selected for **AF assist** in the setup menu. AF-assist illuminator may not light depending on the position of the focus area or the current scene mode, even when **Auto** is selected.	99, 👓 69
Pictures appear smeared.	Lens is dirty. Clean lens.	☼ 5
Colors are unnatural.	White balance does not match light source.	43, 👓 37
Randomly spaced bright pixels ("noise") appear in image.	Shutter speed is too slow or ISO sensitivity is high as the subject is dark. Noise can be reduced by: • Using flash. • Specifying a lower ISO sensitivity setting.	54 51, 👓 41
Randomly spaced bright pixels ("noise") appear in movies.	When recording movies in dim lighting, the picture may become somewhat "grainy" in appearance. This occurs when the ISO sensitivity increases, and it does not indicate a malfunction.	–

Problem	Cause/Solution	📖
Pictures are too dark (underexposed).	• The flash mode is set to ⊘ (off). • Flash window is blocked. • Subject is beyond flash range. • Adjust exposure compensation. • Increase ISO sensitivity. • Subject is backlit. Select **Backlighting** scene mode or set the flash mode setting to ⚡ (fill flash).	55 28 54 58 51, ⚯ 41 44, 55
Pictures are too bright (overexposed).	Adjust exposure compensation.	58
Unexpected results when flash set to ⚡◉ (auto with red-eye reduction).	When taking pictures with ⚡◉ (auto with red-eye reduction) or fill flash with slow sync and red-eye reduction in **Night portrait** scene mode, 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 setting other than ⚡◉ (auto with red-eye reduction) and try shooting again.	41, 55
Skin tones are not softened.	• Under some shooting conditions, facial skin tones may not be softened. • Use ☺ (**Skin softening**) for **Glamour retouch** in the playback menu for pictures containing more than three faces.	67, ⚯ 36 71, ⚯ 14
Saving images takes time.	It may take more time to save pictures in the following situations. • When the noise reduction function is in operation • When the flash mode is set to ⚡◉ (auto with red-eye reduction) • When the skin softening function is applied while shooting	– 55 40, 41, 67, ⚯ 36

Playback

Problem	Cause/Solution	📖
File cannot be played back.	• File or folder was overwritten or renamed by computer or other make of camera. • Movies recorded by a camera other than the COOLPIX S1200pj cannot be played back.	– 94
Cannot zoom in on picture.	• Pictures taken with cameras other than COOLPIX S1200pj may not be enlarged. • Playback zoom cannot be used with movies, small pictures, or pictures that have been cropped to a size of 320 × 240 or smaller.	–
Cannot record or play back voice memos.	• Voice memos cannot be attached to movies. • Voice memos cannot be attached to pictures taken with other cameras. Voice memos attached to pictures using another camera cannot be played back on this camera.	94 ⚯ 55
Cannot use edit pictures.	• These options cannot be used with movies. • These options cannot be used with pictures taken at an **Image mode** setting of **16:9 10M 4224×2376**. • Select pictures that support editing functions. • Camera is unable to edit pictures taken with other cameras.	94 61 71, ⚯ 11 ⚯ 10
Pictures not displayed on television.	• Select correct **Video mode** in **Interface**. • Memory card contains no pictures. Replace the memory card. Remove the memory card to play back pictures from the internal memory.	100, ⚯ 73 20
Album icon restored to default settings, or pictures added to album not displayed in favorite pictures mode.	Data in the memory card may not be played back correctly if overwritten by a computer.	–

Problem	Cause/Solution	📖
The recorded pictures are not displayed in auto sort mode.	• The desired picture was sorted to a category other than the category currently displayed. • Pictures recorded by a camera other than the COOLPIX S1200pj and pictures copied using the copy option cannot be displayed in auto sort mode. • Pictures recorded in internal memory or on the memory card may not be played back correctly if overwritten by a computer. • Up to 999 pictures and movie files can be added to each category. If the desired category already contains 999 pictures, new pictures or movies cannot be added.	70, E 7 70, E 8, E 57 – 70, E 8
Nikon Transfer 2 does not start when camera is connected.	• Select the **Interface** setting from the setup menu and set the **USB** option to **MTP/PTP**, and try to connect the camera again. • Camera is off. • Battery is exhausted. • USB cable is not properly connected. • Camera is not recognized by the computer. • Confirm system requirements. • Computer is not set to start Nikon Transfer 2 automatically. For more information on Nikon Transfer 2, refer to help information contained in ViewNX 2.	75, 100, E 73 23 22 72 – 73 73
The PictBridge startup screen is not displayed when the camera is connected to a printer.	• Select the **Interface** setting from the setup menu and set the **USB** option to **MTP/PTP**, and try to connect the camera again. • With some PictBridge-compatible printers, the PictBridge startup screen may not be displayed and it may be impossible to print pictures when **Auto** is selected for the **Charge by computer** option in the setup menu. Set the **Charge by computer** option to **Off** and reconnect the camera to the printer.	100, E 23, E 73 72, E 73
Pictures to be printed are not displayed.	• Memory card contains no pictures. Replace the memory card. • Remove the memory card to print pictures from the internal memory.	20

Problem	Cause/Solution	🕮
Cannot select paper size with camera.	Paper size cannot be selected from the camera in the following situations, even when printing from a PictBridge-compatible printer: • The printer does not support the paper size specified by the camera. • The printer automatically selects the paper size.	72, ⊶ 25, ⊶ 26 –
Projected pictures are not sharp.	• Projector window is dirty. • The camera is placed too far or too close to the screen. Adjust the distance between the camera and the screen. • The picture is out of focus. Adjust the focus with the projector focus dial.	80 82 80

Specifications

Nikon COOLPIX S1200pj Digital Camera

Type		Compact digital camera
Effective pixels		14.1 million
Image sensor		$^{1}/_{2.3}$-in. type CCD; total pixels: approx. 14.48 million
Lens		5× optical zoom, NIKKOR lens
	Focal length	5.0–25.0mm (angle of view equivalent to that of 28–140 mm lens in 35mm [135] format)
	f/-number	f/3.9–5.8
	Construction	13 elements in 9 groups
Digital zoom		Up to 4× (angle of view equivalent to that of approx. 560 mm lens in 35mm [135] format)
Vibration reduction		Combination of lens-shift and electronic VR (still pictures) Lens shift (movies)
Autofocus (AF)		Contrast-detect AF
	Focus range (from lens)	• Approx. 30 cm (1 ft) to ∞ (W); approx. 50 cm (1 ft 8 in.) to ∞ (T) • Macro mode: Approx. 3 cm (1.2 in.) to ∞ zoom indicator positioned to the left of △ to maximum (wide-angle position)
	Focus-area selection	Face priority, auto (9-area automatic selection), center, manual with 99 focus areas, subject tracking
Monitor		7.5 cm (3-in.), approx. 460k-dot, TFT LCD with anti-reflection coating, and 5-level brightness adjustment
	Frame coverage (shooting mode)	Approx. 98% horizontal and 98% vertical (compared to actual picture)
	Frame coverage (playback mode)	Approx. 100% horizontal and 100% vertical (compared to actual picture)
Storage		
	Media	• Internal memory (approx. 94 MB) • SD/SDHC/SDXC memory card
	File system	DCF, Exif 2.3, and DPOF compliant
	File formats	Still pictures: JPEG Sound files (Voice Memo): WAV Movies: MOV (video: H.264/MPEG-4 AVC, audio: AAC stereo)
Image size (pixels)		• 14M (high image quality) [4320 × 3240★] • 14M [4320 × 3240] • 8M [3264 × 2448] • 5M [2592 × 1944] • 3M [2048 × 1536] • PC [1024 × 768] • VGA [640 × 480] • 16:9 [4224 × 2376]

ISO sensitivity (Standard output sensitivity)		• ISO 80, 100, 200, 400, 800, 1600, 3200, 6400 • Auto (auto gain from ISO 80 to 800) • Fixed range auto (ISO 80 to 200, 80 to 400)
Exposure		
	Metering	256-segment matrix, center-weighted (digital zoom less than 2×), spot (digital zoom 2× or more)
	Exposure control	Programmed auto exposure with motion detection and exposure compensation (–2.0 to +2.0 EV in steps of $^1/_3$ EV)
Shutter		Mechanical and charge-coupled electronic shutter
	Speed	$^1/_{1500}$–1 s 4 s (when scene mode is set to **Fireworks show**)
Aperture		Electronically-controlled ND filter (–2 AV) selection
	Range	2 steps (f/3.9 and f/7.8 [W])
Self-timer		Can be selected from 10 and 2 second duration
Built-in flash		
	Range (approx.) (ISO sensitivity: **Auto**)	[W]: 0.3 to 4.5 m (1 ft to 14 ft) [T]: 0.5 to 3.5 m (1 ft 8 in. to 11 ft)
	Flash control	TTL auto flash with monitor preflashes
Interface		Hi-Speed USB
	Data Transfer Protocol	MTP, PTP
Video output		Can be selected from NTSC and PAL
I/O terminal		Audio video output/digital I/O (USB), Projector input connector (for Dock Connector Cable)
Projector		
	Projection system	Three-lamp/single-panel color-sequential system
	Display element	Reflective digital micromirror device (DMD)
	Projector lens	13mm f/2.1, manual focus
	Light source	High luminosity LED (1 each of R, G, B)
	Image size	13 to 152 cm (5 to 60-in.)
	Throw distance	Approx. 0.26 to 3.1 m (11 in. to 10 ft)
	Number of colors	Full color (approx. 16.7 million colors)
	Brightness[1]	Up to 20 lumens
	Contrast ratio	200:1
	Resolution (output)	VGA
	Endurance (battery life)	Approx. 1 h with EN-EL12 battery

Supported languages	Arabic, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese (European and Brazilian), Romanian, Russian, Spanish, Swedish, Thai, Turkish, Ukrainian, Vietnamese
Power sources	One Rechargeable Li-ion Battery EN-EL12 (included) AC Adapter EH-62F (available separately)
Charging time	Approx. 5 hours (when using Charging AC Adapter EH-69P and when no charge remains)
Battery life (EN-EL12)	Still pictures[2]: Approx. 220 shots Movies: Approx. 1 h 40 min (**HD 720p (1280×720)**, the maximum file size for a single movie is 4 GB or the maximum recording time for a single movie is 29 minutes, even when there is sufficient free space on the memory card for longer recording.)
Tripod socket	1/4 (ISO 1222)
Dimensions (W × H × D)	Approx. 107.0 × 63.4 × 22.6 mm (4.3 × 2.5 × 0.9 in.) (excluding projections)
Weight	Approx. 186 g (6.6 oz) (with battery and SD memory card)
Operating environment	
Temperature	0°C to 40°C (32°F to 104°F)
Humidity	Less than 85% (no condensation)

- Unless otherwise stated, all figures are for a camera with a fully-charged Rechargeable Li-ion Battery EN-EL12 operated at an ambient temperature of 25°C (77°F).

[1] Measurement, measuring conditions, and method of notation all comply with ISO 21118.

[2] Based on Camera and Imaging Products Association (CIPA) standards for measuring the life of camera batteries. Measured at 23 (±2) °C (73 (±4) °F); zoom adjusted with each shot, flash fired with every other shot, image mode set to **14M 4320×3240**. Battery life may vary depending on shooting interval and length of time menus and images are displayed.

Rechargeable Li-ion Battery EN-EL12

Type	Rechargeable lithium-ion battery
Rated capacity	DC 3.7 V, 1050 mAh
Operating temperature	0°C to 40°C (32°F to 104°F)
Dimensions (W × H × D)	Approx. 32× 43.8 × 7.9 mm (1.3 × 1.6 × 0.3 in.) (excluding projections)
Weight	Approx. 22.5 g (0.5 oz) (excluding terminal cover)

Charging AC Adapter EH-69P

Rated input	AC 100–240 V, 50/60 Hz, 0.068–0.042 A
Rated output	DC 5.0 V, 550 mA
Operating temperature	0°C to 40°C (32°F to 104°F)
Dimensions (W × H × D)	Approx. 55 × 22 × 54 mm (2.2 × 0.9 × 2.2 in.) (excluding plug adapter) For Argentina: Approx. 55 × 59 × 63 mm (2.2 × 2.4 × 2.5 in.) For Brazil and Korea: Approx. 55 × 59 × 66..5 mm (2.2 × 2.4 × 2.7 in.)
Weight	Approx. 55 g (2.0 oz) (excluding plug adapter) For Argentina, Brazil, and Korea: Approx. 80 g (2.9 oz)

✔ Specifications

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

Supported Standards

- **DCF**: Design Rule for Camera File System is a standard widely used in the digital camera industry to ensure compatibility among different makes of camera.
- **DPOF**: Digital Print Order Format is an industry-wide standard that allows pictures to be printed from print orders stored on memory cards.
- **Exif version 2.3**: This camera supports Exchangeable image file format (Exif) version 2.3 for digital still cameras, 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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