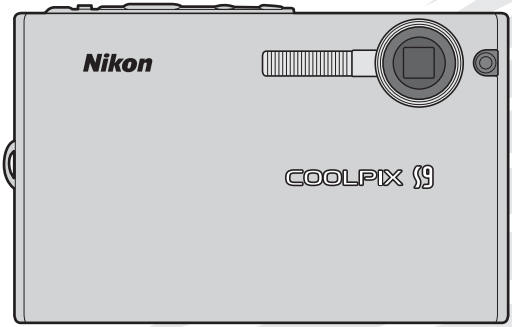
Nikon

En

**The Nikon Guide to Digital Photography with the**

# COOLPIX S9

## DIGITAL CAMERA




CE

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Introduction

First Steps

Basic Photography and Playback: (Auto) Mode

Scene Modes: Scene Mode

One-Touch Portrait Mode

More on Playback

Movies

Voice Recordings

Connecting to Televisions, Computers, and Printers

Shooting, Playback, and Setup Menus

Technical Notes

# For Your Safety



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

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

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

## WARNINGS

### ⚠ Turn off in the event of malfunction

Should you notice smoke or an unusual smell coming from the camera, 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 product's internal parts could result in injury. Repairs should be performed only by qualified technicians. Should the camera 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 in the presence of flammable gas

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

### ⚠ Handle the camera strap with care

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

### ⚠ Keep out of reach of children

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

**⚠ Observe caution when handling the battery**

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

- Before replacing the battery, turn the product off.
- Only use a rechargeable Nikon EN-EL8 lithium-ion battery (supplied). Charge the battery by inserting it in an MH-62 battery charger.
- When inserting the battery, do not attempt to insert it upside down or backwards.
- Do not short or disassemble the battery or attempt to remove or break the battery insulation or casing.
- Do not expose the battery to flame or to excessive heat.
- Do not immerse in or expose to water.
- Replace the terminal cover when transporting the battery. Do not transport or store with metal objects such as necklaces or hairpins.
- The battery is prone to leakage when fully discharged. To avoid damage to the product, be sure to remove the battery when no charge remains.
- Discontinue use immediately should you notice any change in the battery, such as discoloration or deformation.
- If liquid from the damaged battery comes in contact with clothing or skin, rinse immediately with plenty of water.

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

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

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

**⚠ Use appropriate cables**

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

**⚠ Handle moving parts with care**

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

**⚠ CD-ROMs**

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

**⚠ Observe caution when using the flash**

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

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

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

**⚠ Avoid contact with liquid crystal**

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

## Notice for Customers in the U.S.A.

### Federal Communications Commission (FCC) Radio Frequency Interference Statement

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

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

FC **Nikon**
COOLPIX S9

### 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 meets all requirements of the Canadian Interference Causing Equipment Regulations.

**ATTENTION**

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

## Symbol for Separate Collection in European Countries

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

The following apply only to users in European countries:

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

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# About This Manual

Thank you for your purchase of a Nikon COOLPIX S9 digital camera. This manual has been written to help you enjoy taking pictures with your Nikon digital camera. Read this manual thoroughly before use, and keep it where all those who use the product will read it.



### Symbols and Conventions

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

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

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

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

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

### Notations

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

### Screen Samples

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

### Illustrations and Screen Display

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

### Memory Cards

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

## Life-Long Learning

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

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

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

*http://nikonimaging.com/*

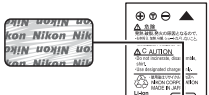
## Use Only Nikon Brand Electronic Accessories

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

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

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

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



EN-EL8 rechargeable battery

## Before Taking Important Pictures

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

## About the Manuals

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

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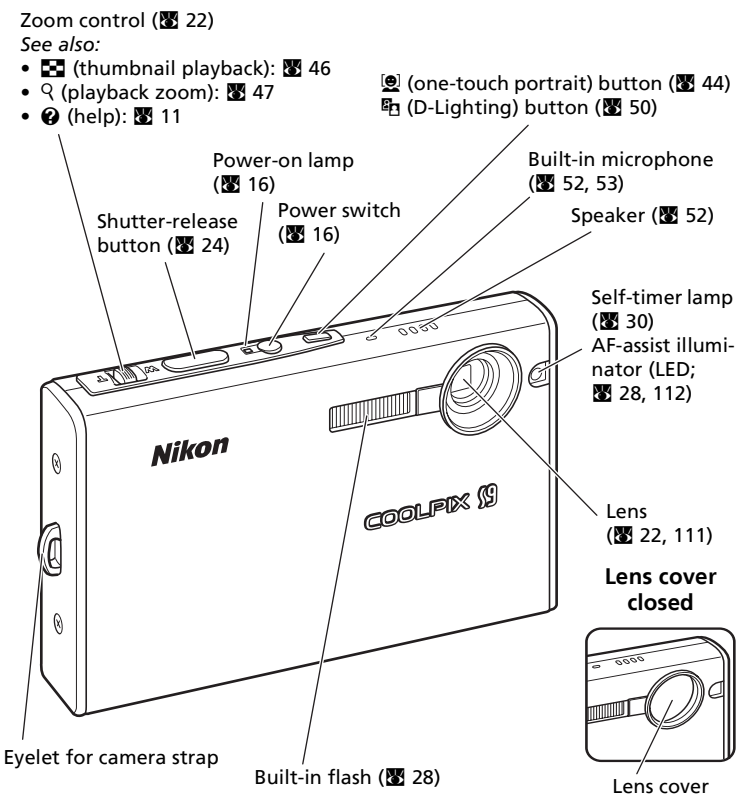
  The copying or reproduction of copyrighted creative works such as books, music, paintings, woodcut prints, maps, drawings, movies, and photographs is governed by national and international copyright laws. Do not use this product for the purpose of making illegal copies or to infringe copyright laws.

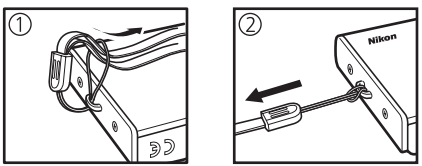
## Disposing of Data Storage Devices

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

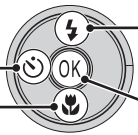
Before discarding a data storage device or transferring ownership to another person, erase all data using commercial deletion software, or format the device and then completely refill it with images containing no private information (for example, pictures of empty sky). Be sure to also replace any pictures selected for the welcome screen (96). Care should be taken to avoid injury or damage to property when physically destroying data storage devices.




## Attaching the Camera Strap



The Multi selector (8)
In shooting mode, you can activate the flash (ϟ), the self-timer (⏲), and macro close-up mode (🌷).

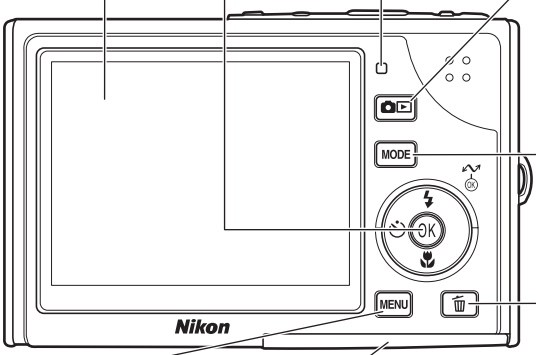



ϟ: Display flash mode menu (28)

⏲: Display self-timer menu (30)

🌷: Display macro close-up mode menu (31)

Ⓚ/↷: Apply selection/ transfer picture (67)




Monitor (6, 113)

Indicator lamp (24)/ Flash lamp (28)

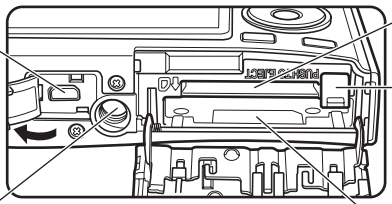
📷▶ (shooting/playback) button (26, 46)

**MODE** button (9)

🗑 (delete) button (26, 47, 52, 58)

**MENU** button (10, 76)

Battery-chamber/memory card slot cover (14)



Multi connector

Memory card slot (18)

Battery latch (14, 15)

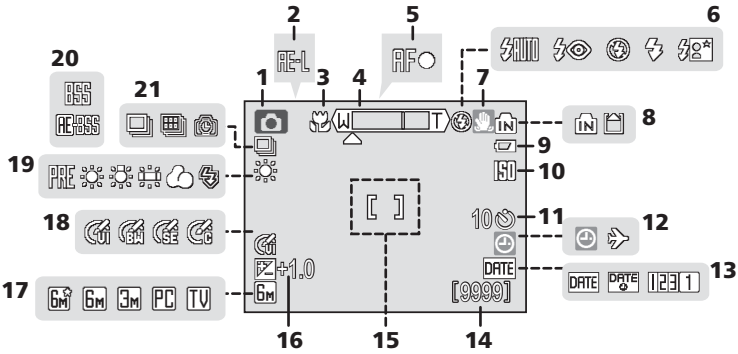
Tripod socket

Battery chamber (14)

# The Monitor

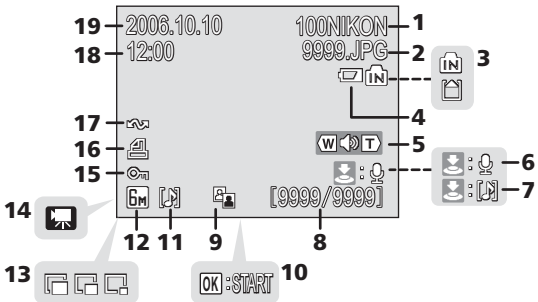
The following indicators may appear in the monitor during shooting and playback (actual display varies with current camera settings).

## Shooting



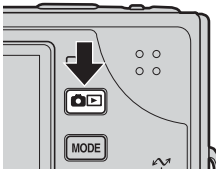

| | | |
|---|---|---|
| 1 | Shooting mode | 20, 32, 44, 53 |
| 2 | Exposure lock | 42 |
| 3 | Macro close-up mode | 31 |
| 4 | Zoom indicator | 22, 31 |
| 5 | Focus indicator | 24 |
| 6 | Flash mode | 28 |
| 7 | Camera shake icon | 29 |
| 8 | Internal memory/memory card indicator | 18 |
| 9 | Battery level indicator | 20 |
| 10 | Sensitivity (ISO equivalent) | 29 |
| 11 | Self-timer indicator | 30 |
| 12 | "Date not set" indicator<br>Time zone indicator | 114<br>97 |
| 13 | Date imprint/date counter | 101 |
| 14 | Number of exposures remaining<br>Movie length | 20<br>53 |
| 15 | Focus area | 24 |
| 16 | Exposure compensation value | 81 |
| 17 | Image mode | 77 |
| 18 | Color options | 86 |
| 19 | White balance mode | 79 |
| 20 | Best shot selector (BSS) | 84 |
| 21 | Continuous shooting mode | 82 |

## Playback




| | | | |
|---|---|---|---|
| 1 | Current folder ..... 110 | 10 | Movie playback indicator ..... 58 |
| 2 | File number and type..... 110 | 11 | Voice memo icon..... 52 |
| 3 | Internal memory/memory card indicator ..... 18 | 12 | Image mode ..... 77 |
| 4 | Battery level indicator ..... 20 | 13 | Small picture indicator ..... 51 |
| 5 | Volume indicator..... 52, 58 | 14 | Movie indicator ..... 58 |
| 6 | Voice memo recording guide..... 52 | 15 | Protect icon ..... 91 |
| 7 | Voice memo playback guide..... 52 | 16 | Print-order icon ..... 74 |
| 8 | Current frame number/total number of frames/ movie length ..... 58 | 17 | Transfer icon ..... 67, 92 |
| 9 | D-Lighting icon ..... 50 | 18 | Time of recording ..... 16 |
| | | 19 | Date of recording ..... 16 |

## The ⊡▶ (shooting/playback) Button

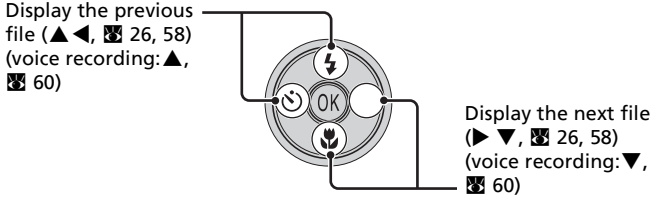



Press ⊡▶ once in shooting mode to enter full-frame playback; press again to switch back to shooting mode. (If the camera is turned off, press ⊡▶ for about a second to turn the camera on in playback mode.)

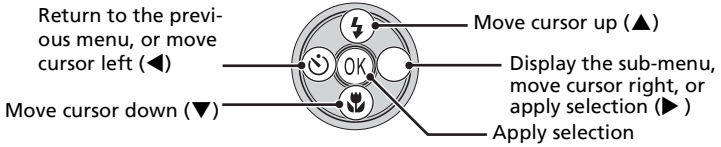
## The Multi Selector

In addition to activating the flash, macro close-up, and self-timer modes and functions, the multi selector is also used to perform the following operations.

### Playback Mode

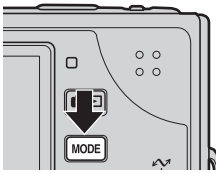



### Navigating the Menus




* In the manual, the button indicating up, down, left, and right of the multi selector is shown as ▲▼◀▶ .

## The MODE Button



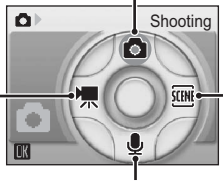

Press **MODE** during shooting or playback to display each mode-selection menu.

To choose the desired mode, use the multi selector.

### Shooting Modes

(▲): Auto mode (20)
A simple "point-and-shoot" mode in which the majority of camera settings are controlled by the camera

(◀): Movie mode (53)
Record movies. Select one of five recording modes

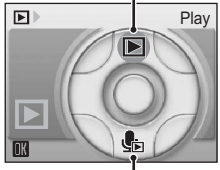



(▶): Scene mode (32)
Select one of fifteen "scenes" suited to different subjects or shooting conditions, such as indoor parties or night landscapes, and let the camera do the rest

(▼): Voice recording mode (59)
Record sound only

### Playback Modes

(▲): Playback (46)
View still pictures and movies




(▼): Voice playback (52)
Listen to voice recordings

**Note on Selecting a Mode**

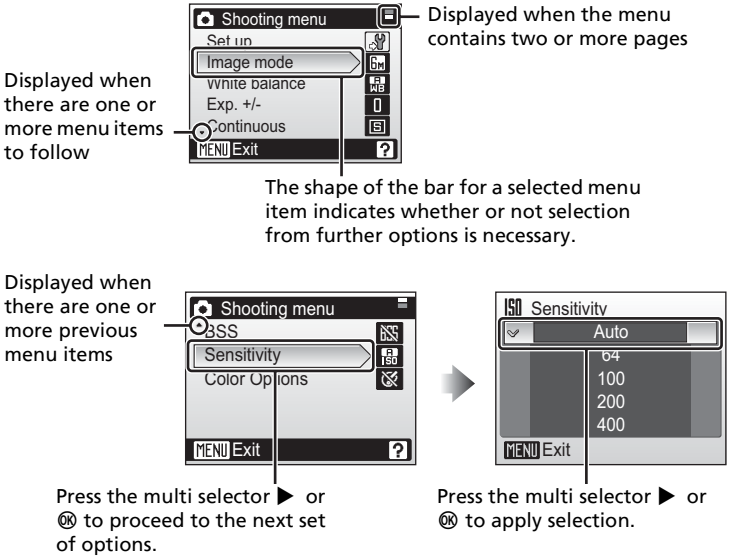
To apply the selected mode, press ⓞ after choosing the desired mode by pressing the multi selector ▲▼◀▶ .

## The MENU Button

Press MENU to display the menu for the mode selected (📖 9).

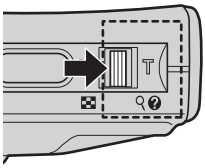
| | | |
|---|---|---|
| : Auto mode | → | Shooting menu (📖 76) |
| : Scene mode | → | Scene menu (📖 32) |
| : Movie mode | → | Movie menu (📖 53) |
| : Voice recording mode | → | Setup menu (📖 94) |
| : One-touch portrait mode | → | One-touch portrait menu (📖 45) |
| : Playback mode | → | Playback menu (📖 88) |

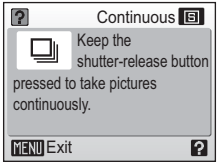
The following is a brief introduction of the parts of menus and how to navigate through them, using the shooting menu as an example.



## Help Displays

Information about camera menu options can be displayed in the COOLPIX S9 monitor. Press the zoom control to ❓ (**T**) to view a description of the currently selected item.






- Press ▲▼ to show the previous or next menu item.
- Press Ⓚ to display the options for the selected item.
- To return to the original menu, press the zoom control to ❓ (**T**).

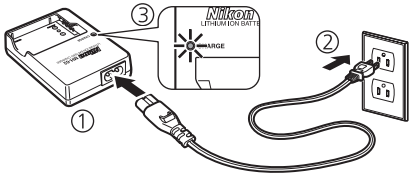
# Charging the Battery

The camera uses a rechargeable Nikon EN-EL8 lithium-ion battery (supplied). Charge the battery before first use or when the battery is running low.



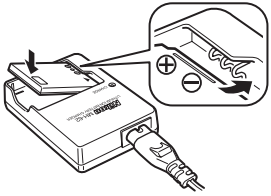
## 1 Plug in the charger.

Connect the power cable to the supplied MH-62 battery charger (①) and insert the wall plug into a power outlet (②). The CHARGE lamp will light to show that the charger is on (③).



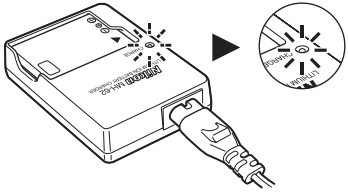

## 2 Charge the battery.

Remove the terminal cover from the EN-EL8 and insert into the MH-62.



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

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




| CHARGE lamp | Description |
|---|---|
| Blinks | Battery charging. |
| On | Battery fully charged. |
| Flickers | Battery error. If ambient temperature is not 0 to 40 °C (32 to 104 °F), wait until temperature is in this range before charging. Otherwise unplug charger and remove battery immediately and take both devices to retailer or Nikon-authorized service representative. |

## 3 Unplug the charger.

Remove the battery and unplug the charger.



### The MH-62 Battery Charger

***Before using the MH-62, read and follow the warnings and notices on pages ii to iv of this manual.***

The MH-62 is for use with EN-EL8 batteries. Do not use with incompatible batteries. The supplied power cable is intended solely for use with the MH-62 and is for domestic use only. It may be necessary to purchase another cable for use abroad; consult with a local Nikon-authorized retailer or service representative.

### The EN-EL8 Battery

***Before using the EN-EL8, read and follow the warnings and notices on pages ii to iv and 112 of this manual.***

Do not use the battery at ambient temperatures below 0 °C (32 °F) or above 40 °C (104 °F). During charging, the temperature should be in the vicinity of 5 to 35 °C (41 to 95 °F). Note that the battery may become hot during use; wait for the battery to cool before charging. Failure to observe these precautions could damage the battery, impair its performance, or prevent it from charging normally.

### When the Battery Is Not in Use

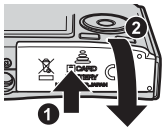
When the battery is not in use, remove it from the camera or battery charger and replace the terminal cover. The camera and battery charger draw minute amounts of current even when off; if left in place, the battery could be drained to the point that it no longer functions.

# Inserting the Battery

The camera uses a rechargeable EN-EL8 lithium-ion battery (supplied).

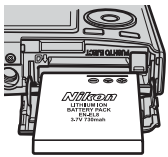


**1** Open the battery-chamber/memory card slot cover.



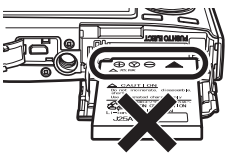
**2** Insert the battery.

The orange battery latch is pushed aside as the battery is inserted. The battery is fully inserted when the latch clicks back into place.

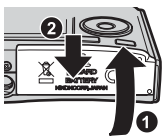


### Inserting the Battery

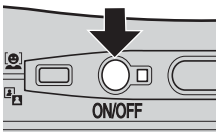
Inserting the battery upside down or backwards could damage the camera. Check to be sure the battery is in the correct orientation.



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



## Turning On and Off the Camera




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

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

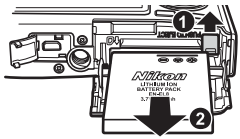
(If the camera is turned off, press ◘▶ for about a second to turn the camera on in playback mode.)



### Note on the Battery

***Read and follow the warnings and cautions on pages ii to iv and 112 of this manual.***

### Removing the Battery




***Turn the camera off*** before removing the battery. To eject the battery, open the battery-chamber/memory card slot cover and slide the battery latch in the direction shown. The battery can then be removed by hand. Note that the battery may become hot during use; observe due caution when removing the battery.

### Power Saving Function

In shooting mode, the monitor will dim to reduce the drain on the battery if no operations are performed for about five seconds. The monitor will brighten when camera controls are used.

When no operations are performed for fifteen seconds, the monitor turns off and the power-on lamp blinks. If no operations are performed for another fifteen seconds, the camera enters standby mode. If no operations are performed for another three minutes, the camera turns off. To reactivate the camera from standby mode, press the shutter-release button halfway.

The amount of time allowed to pass before the camera enters standby mode can be specified from the auto off menu (104).

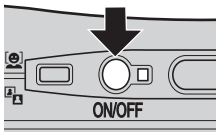
# Setting Display Language, Date, and Time

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



## 1 Turn on the camera.

The power-on lamp (green) will light for a moment and the monitor will turn on.

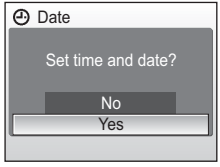



## 2 Press the multi selector ▲▼◀▶ to choose the desired language and press ⓞ.

For information on using the multi selector, see "The Multi Selector" (8).

## 3 Press ▲▼ to choose [Yes] and press ⓞ.

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

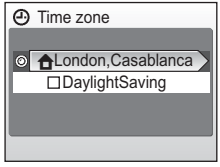



## 4 Press ▶.

The home time zone menu is displayed.

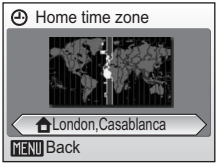
If daylight saving time is in effect in the local time zone, press ▼ to choose [DaylightSaving] and press ⓞ. The [DaylightSaving] option will be enabled with a check mark (✔) and the time will automatically be advanced one hour.

Press ▲, and then go to step 5 after pressing ▶.

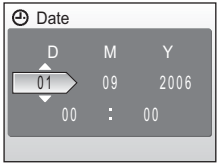


**5** Press ◀▶ to select your home time zone and press ⓞ.

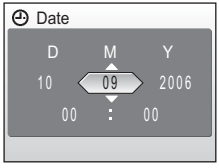
The date menu is displayed.




**6** Press ▲▼ to edit the day ([D]) (order of the day, month, and year may differ in some areas) and press ▶.

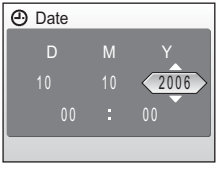



**7** Press ▲▼ to edit the month ([M]) and press ▶.



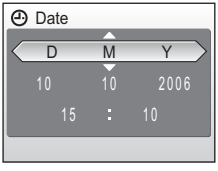

**8** Press ▲▼ to edit the year ([Y]), hour, and minutes. Press ▶ after setting each item.

[D], [M], and [Y] blink.




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

The settings are applied and monitor display returns to the standard display for the current mode.



# Inserting Memory Cards

Pictures are stored in the camera's internal memory (24 MB) or on removable Secure Digital (SD) memory cards (available separately) (109).

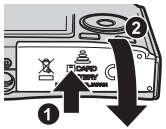
*If a memory card is inserted in the camera, pictures are automatically stored on the memory card and only pictures recorded to the memory card can be played back, deleted, or transferred.*

*Remove the memory card to store pictures in the internal memory, or play back or delete pictures from the internal memory.*



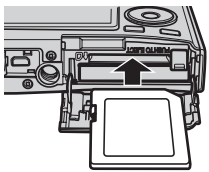
**1** Turn the camera off and open the battery-chamber/memory card slot cover.

*Make sure that the camera is off* (power-on lamp is off) before opening the battery-chamber/memory card slot cover.



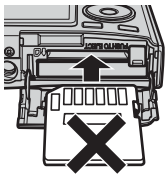
**2** Insert the memory card.

Slide the memory card in until it clicks into place.

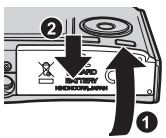


**Inserting Memory Cards**

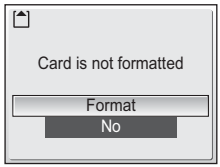
Inserting the memory card upside down or backwards could damage the camera or the memory card. Be sure that the memory card is correctly oriented when inserting.



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



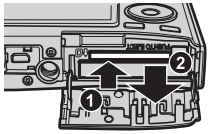
## Formatting Memory Cards




If the message at right is displayed, the memory card must be formatted before use (105).

- Note that ***formatting permanently deletes all pictures*** and other data on the memory card. Be sure to make copies of any pictures you wish to keep before formatting the memory card.
- To format the memory card, press the multi selector ▲ to choose [Format] and press OK.
- ***Do not turn the camera off or remove the battery or memory card until formatting is complete.***
- The first time you insert the memory cards used in other devices into the COOLPIX S9, be sure to format them with [Format] (105).

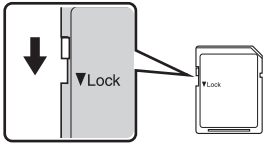
## Removing Memory Cards



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

## The Write Protect Switch

Write protect switch




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

## Memory Cards

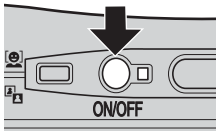
- Use only Secure Digital memory cards.
- Do not eject the memory card, turn the camera off, or remove the battery during formatting or while data are being written to or deleted from the memory card.
  Failure to observe this precaution could result in loss of data or in damage to the camera or memory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

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

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

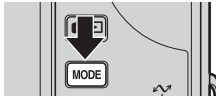
## 1 Press the power switch.

The power-on lamp (green) will light for a moment and the monitor will turn on.




## 2 Press MODE.

The shooting mode menu will be displayed.

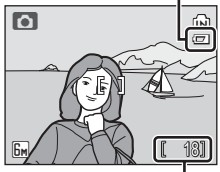



## 3 Press the multi selector ▲ to choose and press OK.

The camera enters (auto) mode.

## 4 Check the battery level and number of exposures remaining.

Battery level indicator



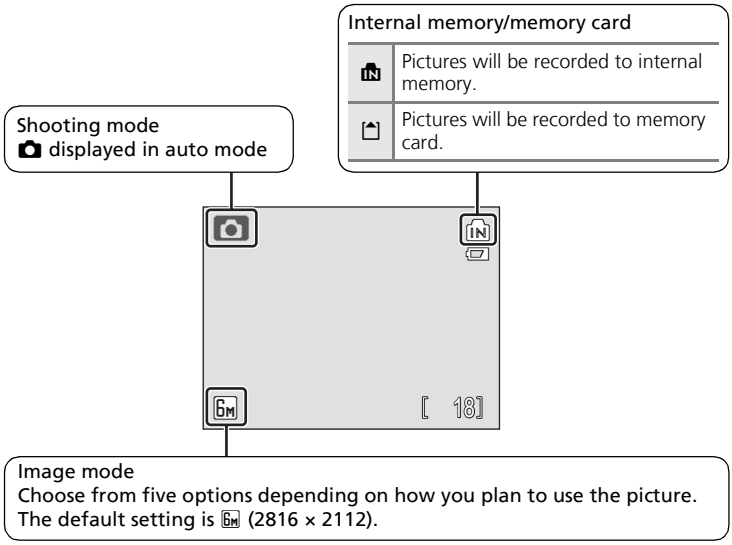

Number of exposures remaining

Battery level

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

Number of exposures remaining

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





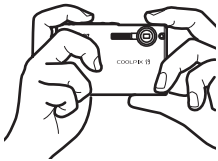

### Available Functions in Auto Shooting Mode

In mode, macro close-up mode (31) can be applied and pictures can be taken using the flash (28) and self-timer (30). Pressing MENU in mode displays the shooting menu. This menu allows you to specify the image mode (77), white balance setting (79), and to apply exposure compensation (81), continuous shooting (82), BSS (84), sensitivity (85), and color options (86) to suit shooting conditions or your own preferences.

## 1 Ready the camera.

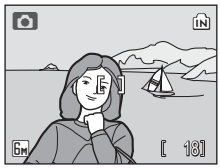
Hold the camera steadily in both hands, keeping your fingers and other objects away from the lens, flash, and self-timer lamp.

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



## 2 Frame the picture.

Position the main subject near the center of the monitor.

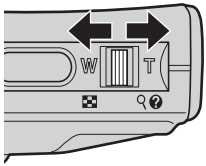


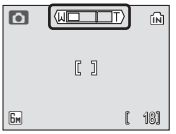
Use the zoom control to activate optical zoom. Press the zoom control to **W** to zoom out, increasing the area visible in the frame, or to **T** to zoom in so that the subject fills a larger area of the frame.

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

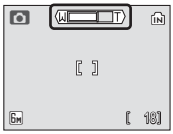
A monitor indicator shows the current zoom ratio.

Zoom out Zoom in

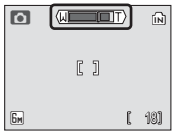


Zoom indicator displayed when the zoom control is pressed.



Optical zoom (up to 3×)



Zoom indicator turns yellow when digital zoom is in effect.

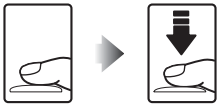
### Digital Zoom

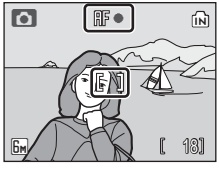
Unlike optical zoom, data from the camera's image sensor are processed digitally with digital zoom. Details visible at maximum optical zoom are simply enlarged, producing a slightly "grainy" image.

## 1 Press the shutter-release button halfway.

The camera focuses on the subject at the center of the frame. When the subject is in focus, the focus indicator (AF●) is green. When the camera is unable to focus, the focus indicator blinks red. Change the composition and try again.

The distance between the camera and your subject should not change while the focus is locked.






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

The picture will be recorded to the memory card or internal memory. The flash may fire or the AF-assist illuminator (29) may light if the subject is poorly lit.

### During Recording

While pictures are being recorded, the ⧗ (wait) icon will be displayed, the indicator lamp will blink green, and the ⏏ (recording to memory card) or IN (recording to internal memory) icon will blink. Do not turn the camera off, eject the memory card, or remove or disconnect the power source while these icons are displayed. Cutting power or removing the memory card in these circumstances could result in loss of data or in damage to the camera or card.

### Shutter-Release Button

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

Set focus and exposure

Take picture

### Focus Lock

To focus on off-center subject, use focus lock as described below.

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

Position the subject in the center of the frame.

Press the shutter-release button halfway.

Confirm that the focus indicator (AF●) is green

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

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

### Auto Focus

Focus lock does not perform well if the subject is very dark or is moving rapidly, if there are objects of sharply differing brightness in the scene (e.g., the sun is behind your subject and their features are in deep shadow), or if there are several objects at different distances from the camera at the center of the frame (e.g., your subject is inside a cage).

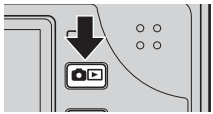
## Full-Frame Playback

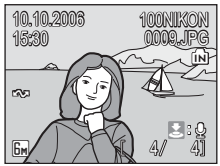
**1** Press ◘▶ to display pictures in the monitor.

To view additional pictures, press the multi selector ▼▶ to view pictures in the order recorded, ▲◀ to view pictures in reverse order. Press and hold the multi selector to scroll quickly to a particular frame number without viewing the intervening pictures.

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

Press ◘▶ again to switch to shooting mode.

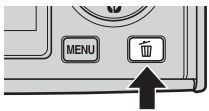





## Deleting Pictures

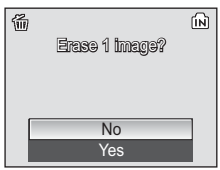
**1** Press 🗑 to delete the picture currently displayed in the monitor.

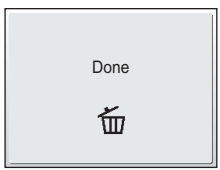
A confirmation dialog will be displayed.




**2** Press the multi selector ▼ to select [Yes] and press ⓚ.

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



### Full-Frame Playback Mode

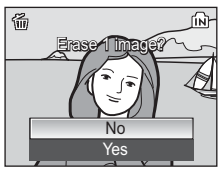
The following options are available in full-frame playback mode.

| Option | Press | Description | |
|---|---|---|---|
| Playback zoom | Zoom control to Q (**T**) | Enlarge view of picture currently displayed in monitor up to about 10×. | 47 |
| View thumbnails | Zoom control to ▪ (**W**) | Display four or nine picture thumbnails. | 46 |
| View playback mode menu | MODE | Display the mode-selection menu. | 9 |
| View playback menu | MENU | Display the playback menu. | 88 |
| Record/play voice memo | | Record or play back voice memos up to 20 seconds in length. | 52 |
| D-Lighting | | Enhance brightness and contrast in dark portions of pictures. | 50 |
| Switch to shooting mode | | Switch to the shooting mode selected with the mode-selection menu. | – |

### Deleting the Last Picture Taken

In shooting mode, press 🗑 to delete the last picture taken. The confirmation dialog shown at right will be displayed. Press the multi selector ▼ to choose [Yes] and press OK.

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



### Viewing Pictures

- When the camera is off, pressing ▶ for one second will turn the camera on in playback mode.
- Pictures stored in the internal memory can only be viewed if no memory card is inserted.

# Using the Flash

The flash has a range of 0.3–2.6 m (1 ft.–8 ft. 6 in.) when the camera is zoomed out all the way. With maximum optical zoom applied, the range is 0.3–1.4 m (1 ft.–4 ft. 7 in.). The following flash modes are available:

| | |
|---|---|
| AUTO | **Auto (default)** |
| | Flash fires automatically when lighting is poor. |
| AUTO | **Auto with red-eye reduction** |
| | Reduces "red-eye" in portraits (29). |
| | **Off** |
| | Flash will not fire even when lighting is poor. |
| | **Fill flash** |
| | Flash fires whenever a picture is taken. Use to "fill-in" (illuminate) shadows and back-lit subjects. |
| SLOW | **Slow sync** |
| | Flash illuminates main subject; slow shutter speeds are used to capture background at night or under dim light. |

## 1 Press ϟ (flash mode).

The flash menu is displayed.

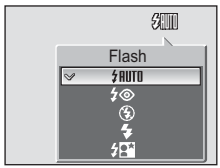
## 2 Press the multi selector ▲▼ to choose the desired flash mode and press OK.

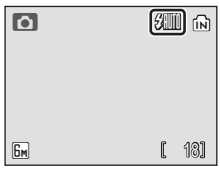
The monitor will return to the normal display for the current mode if the setting is not applied by pressing OK within five seconds.

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

When AUTO is selected, the icon is only displayed for five seconds after the setting is applied.

The flash mode applied in mode is stored in the camera's memory even after the camera is turned off.



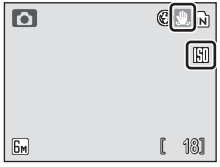
## Note on Using the Flash

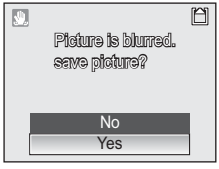
When using the flash at a wide-angle zoom position, reflections from dust particles in the air may appear as bright spots in pictures. To reduce these reflections, set the flash to (Off) or zoom in on the subject.

## When Lighting is Poor

When lighting is poor and the flash is off (), the or icon may appear on the monitor. Note the following.

- Place the camera on a flat, level surface or use a tripod (recommended).
- The icon is displayed when the camera increases sensitivity from the normal sensitivity to minimize blur caused by slow shutter speeds. The picture taken when the icon is displayed may be slightly mottled.
- If the warning at right is displayed after a picture is taken, the picture may be blurred. Select [No] to exit without recording the picture.
- The camera may process pictures to reduce noise, which makes recording time increase.





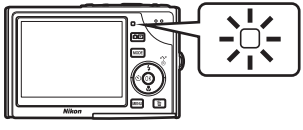

## The AF-assist Illuminator

If lighting is poor, the AF-assist illuminator may light to assist the focus operation when the shutter-release button is pressed halfway. The illuminator has a maximum range of about 1.9 m/6 ft. 3 in. (**W**) to 1.1 m/3 ft. 7 in. (**T**). The AF-assist illuminator is not available in some modes (32-43) and can also be turned off manually (103), although in this case the camera may not focus when lighting is poor.

## The Flash Lamp

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

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



## Red-Eye Reduction

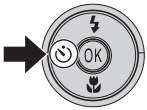
- The COOLPIX S9 is equipped with an advanced red-eye reduction system. Pre-flashes are fired several times at low intensity before the main flash to reduce "red-eye." If the camera detects "red-eye" after a picture is taken, Nikon's own In-Camera Red-Eye Fix processes the image as it is recorded. Therefore, there is a slight delay before the shutter-release button operates normally to take another picture.
- Red-eye reduction may not always produce the desired results. In some rare cases, other portions of pictures may be affected. Should this occur, choose another flash mode and try again.

# Taking Pictures with the Self-Timer

The camera is equipped with a ten-second timer for self-portraits. When using the self-timer, mount the camera on a tripod (recommended) or rest it on a flat, level surface.

**1** Press ⏲ (self-timer).

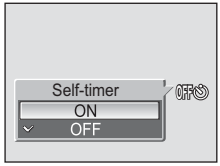
The self-timer menu is displayed.



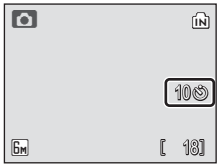

**2** Press the multi selector ▲ to choose [ON] and press ⓞ.

The self-timer indicator (10⏲) is displayed.

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




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



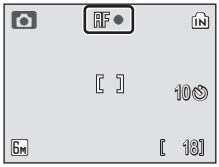

**4** Press the shutter-release button fully.

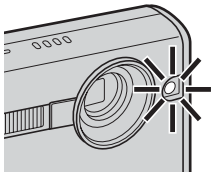
The self-timer starts.

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

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

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



# Macro Close-up Mode

Macro close-up mode is used for taking shots of pictures as close as 4 cm (1.6 in.). Note that the flash may be unable to light entire subject at distances of less than 30 cm (11.8 in.). If the flash fires, play the picture back and check the results.

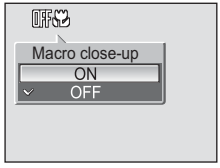
**1** Press (macro mode).

The macro close-up menu is displayed.

**2** Press the multi selector ▲ to choose [ON] and press OK.

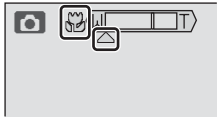
The macro close-up mode icon ( ) is displayed.

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



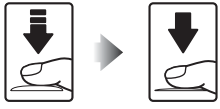

**3** Press the zoom control to **T** ( ) or to **W** ( ) to frame the picture.

The minimum focus distance varies with zoom position. The camera can focus at a distance of 4 cm (1.6 in.) at the zoom position at which turns green.




**4** Press the shutter-release button fully.

The macro close-up mode applied in mode is stored in the camera's memory even after the camera is turned off.





### Macro Close-up Mode

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

# Assist and Scene Modes

The camera offers a choice of four "assist" modes and eleven "scene" modes.

In these modes, camera settings are automatically optimized for the selected subject type.

## Assist Modes

The following modes offer framing assist options to help you compose your shots.

| | |
|---|---|
| | **Portrait (default)** |
| | Use for portraits. The main subject stands out clearly while the background details are softened, lending a sense of depth to the composition. |
| | **Landscape** |
| | Use for vivid landscape shots that enhance outlines, colors, and contrast in subjects such as skyscapes and forests. |
| | **Sports** |
| | Fast shutter speeds freeze fast-moving subjects for dynamic sports scenes. |
| | **Night portrait** |
| | Use for a natural balance between the main subject and background lighting in portraits taken at night. |

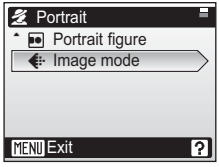
## Scene Modes

The following modes allow you to take pictures optimized for a particular subject type by simply choosing a scene mode and pressing the shutter-release button.

| | | |
|---|---|---|
| Party/indoor | Night landscape | Copy |
| Beach/snow | Close up | Back light |
| Sunset | Museum | Panorama assist |
| Dusk/dawn | Fireworks show | |

### Image Mode

[Image mode] (77) can be set in the assist menu of the scene assist modes or in the scene menu. Changes made to the image mode setting apply to all shooting modes.

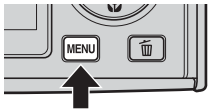


## Taking Pictures in Assist Modes

**1** Enter scene mode by pressing **MODE** in shooting mode, selecting SCENE (press the multi selector ▶), and then pressing OK.

The camera returns to the scene mode selected last time.

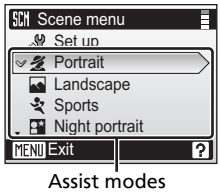
**2** Press **MENU** to display the scene menu.




**3** Press ▲▼ to choose an assist mode and press OK.

The framing assist menu is displayed.

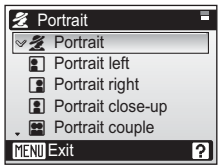
For information on using the multi selector, see "The Multi Selector" (8).



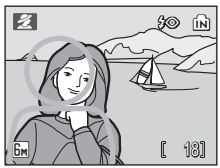

Assist modes

**4** Press ▲▼ to choose the appropriate composition and press OK.

Framing guides are displayed if available.




**5** Position the subject in the framing guide and take the picture.



## Portrait Assist

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

| | |
|---|---|
| | **Portrait (default)** |
| | Camera focuses on subject in the center of the monitor. No guides are displayed in the monitor. |
| | **Portrait left** |
| | Compose shot with subject in left half of frame. Camera focuses on subject inside the framing guides. |
| | **Portrait right** |
| | Compose shot with subject in the right half of frame. Camera focuses on subject inside the framing guides. |
| | **Portrait close-up** |
| | Compose shot with subject's face in top half of frame. Camera focuses on face inside the framing guides. |
| | **Portrait couple** |
| | Compose shot with two subjects side-by-side. Camera focuses on subjects inside the framing guides. |
| | **Portrait figure** |
| | Compose shot in "tall" orientation. Camera focuses on subject inside the framing guides. Pictures taken in "tall" orientation are displayed in the same "tall" orientation in the monitor. |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | [1] | | Off[1] | | Off | [2] | Off[3] |

[1] Other settings can be selected.
[2] See "AF Assist" (103) for information on using this function.
[3] AF Assist is set to [Off] for all modes except for [Portrait].

## Landscape Assist

Use this mode for vivid landscapes, cityscapes, and portraits featuring a landmark in the background.

| | |
|---|---|
| | **Landscape (default)** |
| | Camera focuses at infinity. No guides are displayed in the monitor. |
| | **Scenic view** |
| | Use to photograph distant skylines. Camera focuses at infinity. Match top of skyline with wavy yellow guide. |
| | **Architecture** |
| | Use to photograph buildings. Camera focuses at infinity. A grid is displayed in the monitor to help keep verticals and horizontals aligned with the frame. |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | Off[1] | | Off | | Off |

[1] Other settings can be selected.

| | |
|---|---|
| | **Group right** |
| | Use to compose portraits with portrait subjects to right and landmark or other objects in background at left of frame. |
| | **Group left** |
| | Use to compose portraits with portrait subjects to left and landmark or other objects in background at right of frame. |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | AUTO[1] | | Off[1] | | Off | | Off |

[1] Other settings can be selected.

### Focusing at Infinity

The focus indicator (24) is always green when the shutter-release button is pressed half-way when [Landscape], [Scenic view], or [Architecture] is selected for landscape assist mode. Note, however, that objects in the foreground may not always be in focus.

## Sports Assist

Use this mode for dynamic action shots that freeze the action in a single shot or record motion in a series of pictures. No framing guides are displayed.

**Sports (default)**

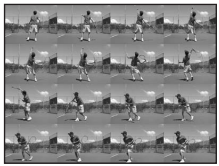
While shutter-release button is held down, pictures are taken at rate of about 1.7 frames per second (fps). Camera focuses continuously even when the shutter-release button is not pressed halfway. If [Image mode] (77) is set to [Normal(2816)], 3 pictures are taken continuously with the same focus, exposure, and white balance values used for the first shot.

**Sport spectator**

As above, except that camera focuses at ranges of 3 m (9.8 ft.) to infinity at maximum wide-angle zoom position and 7 m (23 ft.) to infinity at maximum telephoto position.

**Sport composite**

Each time shutter-release button is pressed, camera takes 16 shots in about 2 seconds and arranges them in four rows to form a single picture 1,600 × 1,200 pixels in size.



| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | Off | | Off | | Off |



### Sports Assist

When [Sports] or [Sport composite] is selected in sports assist mode, the camera focuses continuously on the center of the frame, even when the shutter-release button is not pressed halfway.

## Night Portrait Assist

Use this mode to achieve a natural balance between the main subject and background lighting in portraits taken at night. This mode offers the same assist options as portrait assist mode (34). Pictures taken at slow shutter speeds are processed to reduce noise; to prevent blurring, mount the camera on a tripod or rest it on a flat, stable surface.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | [1] | | Off[2] | | Off | | Off[3] |

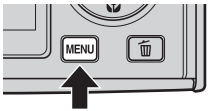
[1] Flash illuminates main subject with slow sync and red-eye reduction.
[2] Other settings can be selected.
[3] AF Assist is set to [Off] for all modes except for [Portrait].

## Taking Pictures in Scene Modes

**1** Enter scene mode by pressing **MODE** in shooting mode, selecting SCENE (press the multi selector ▶), and then pressing OK.

The camera returns to the scene mode selected last time.

**2** Press **MENU** to display the scene menu.



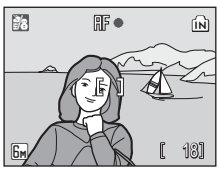

**3** Press ▲▼ to choose a scene mode and press OK.

Three pages of scene modes are available, beginning with [Party/indoor] and ending with [Panorama assist].

For information on using the multi selector, see "The Multi Selector" (8).

Scene modes

**4** Frame the subject and take the picture.



The following modes are available:

### Party/indoor

Captures the effects of candlelight and other indoor background lighting.
- Camera focuses on subject in center of frame.
- Hold the camera steady to prevent camera shake.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ϟ | ϟ◉[1] | ⏲ | Off[1] | ❀ | Off | ΞD | Auto[1] |

[1] Other settings can be selected.

### Beach/snow

Captures the brightness of such subjects as snowfields, beaches, or sunlit expanses of water.
- Camera focuses on subject in center of frame.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ϟ | ϟAUTO[1] | ⏲ | Off[1] | ❀ | Off | ΞD | Auto[1] |

[1] Other settings can be selected.

### Sunset

Preserves the deep hues seen in sunsets and sunrises.
- Camera focuses on the subject in the center of the frame.
- Use of a tripod recommended to prevent blurring.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ϟ | ⊗[1] | ⏲ | Off[1] | ❀ | Off | ΞD | Auto[1] |

[1] Other settings can be selected.

### Dusk/dawn

Preserves the colors seen in the weak natural light before sunrise or after sunset.
- Camera focuses on the subject in the center of the frame.
- Use of a tripod recommended to prevent blurring.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ⚡ | ⊘ | ⏲ | Off[1] | 🌷 | Off | ☰ | Off |

[1] Other settings can be selected.

### Night landscape

Slow shutter speeds are used to produce stunning night landscapes.
- Camera focuses on the subject in the center of the frame.
- Use of a tripod recommended to prevent blurring.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ⚡ | ⊘ | ⏲ | Off[1] | 🌷 | Off | ☰ | Off |

[1] Other settings can be selected.

### Close up

Photograph flowers, insects, and other small objects at close range (31).
- Camera focuses continuously until shutter-release button is pressed halfway to lock focus.
- Hold the camera steady to prevent camera shake.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ⚡ | ⊘[1] | ⏲ | Off[1] | 🌷 | On | ☰ | Auto[1] |

[1] Other settings can be selected.

## Focusing at Infinity

The focus indicator (29) is always green when the shutter-release button is pressed halfway with [Dusk/dawn], [Night landscape], or [Fireworks show] scene mode selected. Note, however, that objects in the foreground may not always be in focus.

### Museum

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

- Camera focuses on subject in center of frame.
- BSS (84) turns on automatically.
- Hold the camera steady to prevent camera shake.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ϟ | ⊗ | ⏲ | Off[1] | ❀ | Off[1] | ▭◗ | Off |

[1] Other settings can be selected.

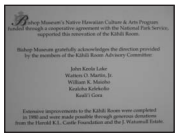
### Fireworks show

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

- Use of a tripod recommended to prevent blurring.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ϟ | ⊗ | ⏲ | Off | ❀ | Off | ▭◗ | Off |

### Copy



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

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

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ϟ | ⊗[1] | ⏲ | Off[1] | ❀ | Off[1] | ▭◗ | Auto[1] |

[1] Other settings can be selected.

### Back light

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

- Camera focuses on subject in center of frame.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ϟ | ϟ | ⏲ | Off[1] | 🌷 | Off | ◨ | Auto[1] |

[1] Other settings can be selected.

### Panorama assist

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

- Camera focuses on subject in center of frame.
- Hold the camera steady to prevent camera shake.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ϟ | ⊛[1] | ⏲ | Off[1] | 🌷 | Off[1] | ◨ | Auto[1] |

[1] Other settings can be selected.

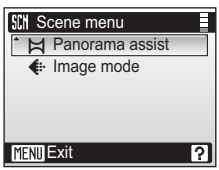


## Taking Pictures for a Panorama

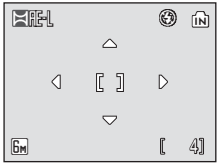
The camera focuses on the subject in the center of the frame. Use a tripod for best results.

**1** Press the multi selector ▲▼ to choose [Panorama assist] in the scene menu and press ⓞ.

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



**2** Press ▲▼◀▶ to choose the direction and press ⓞ.




**3** Take the first picture.

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

**4** Take the second picture.

Compose the next picture so that it overlaps the first picture. Repeat until you have taken the necessary number of pictures to complete the scene.

**5** Press ⓞ to finalize the series.

Monitor display returns to shooting mode.

### Panorama Assist

Flash mode (📖 28), self-timer (📖 30), macro close-up (📖 31) and exposure compensation (📖 81) cannot be adjusted after the first picture is taken. Pictures cannot be deleted, nor can zoom or image-mode setting (📖 77) be adjusted until the series is finalized.

### Exposure Lock

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

# Taking Pictures in the One-Touch Portrait Mode

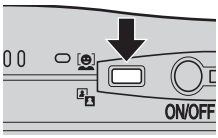
For portrait shots, press the [👤] button when the camera is in the auto mode, scene mode and movie mode. The following features are automatically activated:

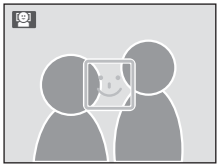
- Portrait: The portrait subject stands out clearly.
- Face-priority AF: The camera automatically detects and focuses on faces.
- Auto red-eye reduction: The flash mode is automatically set to ⚡👁 (auto with red-eye reduction: 29)

Press [👤] again to return to the shooting mode selected with the mode-selection menu.

**1** Press [👤] (one-touch portrait mode).

The ☺ guide is displayed.

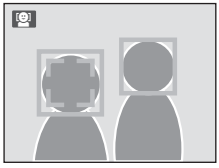


**2** Frame a picture using the ☺ guide.

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

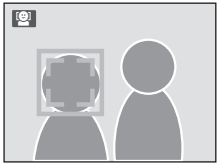
When the camera detects more than one face, the closest face is framed by a double border and the rest by a single border. The camera focuses on the face framed by the double border.



If the camera loses its ability to detect a face (for example, because the subject has looked away from the camera), borders are no longer displayed and monitor display returns to that shown in step 1.

**3** Press the shutter-release button halfway.

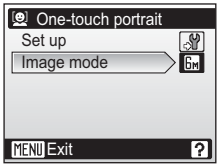
Focus and exposure are set, and the double border turns green.



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

# The One-Touch Portrait Menu

Press **MENU** in one-touch portrait mode to display the one-touch portrait menu. Options chosen in this menu are restored next time this mode is selected.




**Set up**

Display setup menu (94).

**Image mode (default: Normal(2816))**

Choose an image size and quality (77).



### Face-Priority AF

The camera's ability to detect faces depends on a variety of factors, including whether or not the subject is facing the camera. The camera focuses continuously until a face is detected.

If the yellow double border blinks when the shutter-release button is pressed halfway, the camera was unable to focus. Release the button and try again. If no face is recognized when the shutter-release button is pressed halfway, the camera focuses on the center of the frame. The camera may be unable to detect faces in the following situations:

- When faces are partially hidden by sunglasses or other obstructions
- When faces take up too much or too little of the frame

### Settings for One-Touch Portrait Mode

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

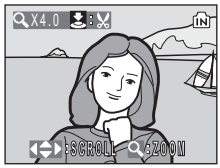
# Viewing Multiple Pictures: Thumbnail Playback

Press the zoom control to **W** (▦) in full-frame playback to display pictures in "contact sheets" of four or nine thumbnail images.

The following operations can be performed while thumbnails are displayed:

| To | Press | Description | 🔍 |
|---|---|---|---|
| Choose pictures | | Press the multi selector ▲▼◀▶ to choose pictures. | 8 |
| Change number of pictures displayed | W T | With four thumbnails displayed, press the zoom control to **W** once to view nine thumbnails. With nine thumbnails displayed, press the zoom control to **T** once to display four thumbnails. With four thumbnails displayed, press the zoom control to **T** once to return to full-screen playback. | – |
| Cancel thumbnail playback | OK | Cancel thumbnail playback and return to full-screen playback. | – |
| Delete picture | 🗑 | Confirmation dialog will be displayed. Choose [Yes] and press OK to delete. | 26 |
| View playback mode menu | MODE | Display the mode-selection menu. | 9 |
| View playback menu | MENU | Display the playback menu. | 88 |
| D-Lighting | | Enhance brightness and contrast in dark portions of pictures. | 50 |
| Switch to shooting mode | 📷▶ | Switch to the shooting mode selected with the mode-selection menu. | 26 |

# Taking a Closer Look: Playback Zoom




Press the zoom control to **T** (🔍) to zoom in on still images displayed in full-frame playback (📖 26). Playback zoom is not available when the current picture is a movie or a copy created using the small picture function.

While image is zoomed in, the zoom ratio is displayed on the monitor.

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

| To | Press | Description | 📖 |
|---|---|---|---|
| Zoom in | Zoom control to 🔍 (**T**) | Zoom increases each time the zoom control is pressed to 🔍 (**T**), to a maximum of 10×. | – |
| Zoom out | Zoom control to ▪ (**W**) | Zoom decreases each time the zoom control is pressed to ▪ (**W**). To cancel zoom, press ⓞ. | – |
| View other areas of picture | | Use the multi selector to scroll to areas of picture not visible in monitor. To use the multi selector ▲▼◀▶ to view other pictures, cancel playback zoom. | 8 |
| Delete picture | 🗑 | Confirmation dialog will be displayed. Choose [Yes] and press ⓞ to select. | 26 |
| Return to full-frame playback | ⓞ | Cancel playback zoom and return to full-screen playback. | – |
| View playback mode menu | MODE | Display the mode-selection menu. | 9 |
| View playback menu | MENU | Display the playback menu. | 88 |
| Crop picture | | Crop current picture to contain only the portion visible in the monitor. | 49 |
| Switch to shooting mode | 📷▶ | Switch to the shooting mode selected with the mode-selection menu. | 26 |

# Editing Pictures

Use the COOLPIX S9 to edit pictures in-camera and store them as separate files. The editing features described below are available.

| Editing function | Description |
|---|---|
| Crop | Enlarge the image or refine the composition and create a copy containing only the portion visible in the monitor. |
| D-Lighting | Create a copy of the current picture with enhanced brightness and contrast, brightening dark portions of the picture. |
| Small Picture | Create a small copy of pictures suitable for use on web pages or as e-mail attachments. Small copies are stored as JPEG files with a compression ratio of 1:16. |

## Restrictions on Picture Editing

The following restrictions apply to copies created using crop (49), D-Lighting (50), and small picture (51).

- Copies created using the crop or small picture functions cannot be edited again.
- The D-Lighting function cannot be used on copies created using the D-Lighting function. In other words, this function can only be applied to a picture once.



**Picture Editing**

- The COOLPIX S9 editing functions may not be available for pictures taken with non-COOLPIX S9 digital cameras.
- If a copy created using the COOLPIX S9 is viewed on a different digital camera, the picture may not be displayed or may not be transferred to a computer.
- Editing functions are not available when there is not enough free space in the internal memory or on the memory card.
- Edited copies are recognized by identifiers corresponding to the editing function and file numbers assigned automatically by the camera (110).

**Original Pictures and Edited**

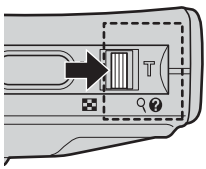
- Copies created with editing functions are not deleted if the original pictures are deleted. The original pictures are not deleted if copies created with editing functions are deleted.
- Edited copies are stored with the same recording date and time as the original.
- Copies created using crop, D-Lighting, and small picture have the same transfer marking (92) as the original but are not marked for printing (74) or protecting (91).

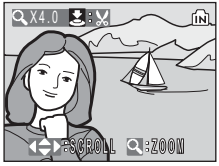
## Creating a Cropped Copy: Crop

This function is only available when ✂ is displayed in the monitor with playback zoom (47) enabled.

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

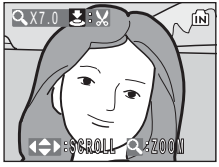
Press the zoom control to **T** or **W** to adjust the zoom ratio.




**2** Refine copy composition.

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

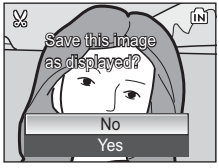



**3** Press the shutter-release button.

The confirmation dialog will be displayed.

**4** Press ▼ to choose [Yes] and press OK.

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



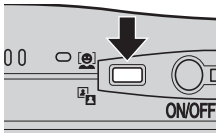

### Cropped Copy Image Mode

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

- 5M 2,592 × 1,944
- 3M 2,048 × 1,536
- 2M 1,600 × 1,200
- 1M 1,280 × 960
- PC 1,024 × 768
- TV 640 × 480
- 320 × 240
- 160 × 120

# Enhancing Brightness and Contrast: D-Lighting

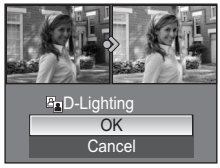
**1** Display the desired picture in full-frame playback (26) and press ([]).




D-Lighting copies can also be created by pressing ([]) after selecting a picture in thumbnail playback mode.

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

**2** Press the multi selector ▲ to choose [OK] and press OK.




A new copy with enhanced brightness and contrast is created.

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

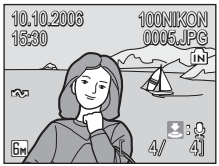
More on Playback

## Resizing Pictures: Small Picture

The following sizes are available:

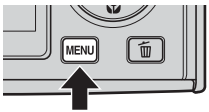
- 640×480: Suited to television playback.
- 320×240: Suited to display on web pages.
- 160×120: Suitable for e-mail attachments.

**1** Display the desired picture in full-frame playback mode (26).

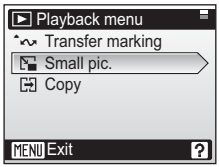



**2** Press MENU.

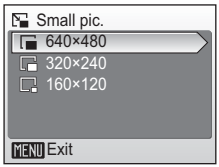
The playback menu is displayed.




**3** Press the multi selector ▲▼ to choose [Small pic.] and press OK.

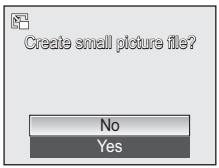



**4** Press ▲▼ to choose the desired copy size and press OK.



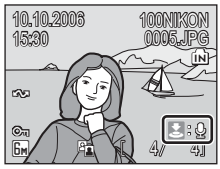

**5** Press ▼ to choose [Yes] and press OK.

A new, smaller copy is created.



# Voice Memos: Recording and Playback

Use the camera's built-in microphone (4) to record voice memos for pictures marked with :🎙 in full-frame playback (26).




### Record voice memo

A voice memo will be recorded while the shutter-release button is held down. Recording ends after about 20 seconds or when the shutter-release button is released.

- During recording, ● REC and [♪] blink in the monitor display.

### Play voice memo

Press the shutter-release button while a picture with a voice memo (indicated by [♪]) is displayed in full-frame playback to play voice memo. Playback ends when the voice memo ends or the shutter-release button is pressed again.

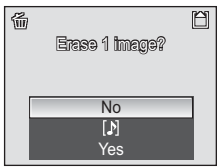
### Adjust volume

Press the zoom control to **W** to lower volume, or to **T** to raise volume.

### Delete voice memo

Press 🗑 and the confirmation dialog shown below will be displayed. Choose [No], [[♪]], or [Yes] and press OK.

- [No]: Exit without deleting the picture or voice memo.
- [[♪]]: Delete voice memo only.
- [Yes]: Delete both picture and voice memo.



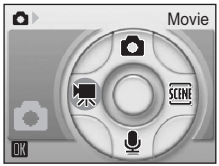

## ☑ Voice Memos

- Do not touch the built-in microphone during recording.
- If a voice memo already exists for the current picture, it must be deleted before a new voice memo can be recorded.
- Voice memos cannot be added to pictures created with other models of camera. Voice memos recorded using other models of camera cannot be played back on the COOLPIX S9.

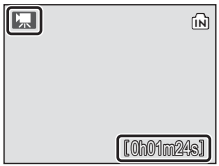
# Movie Mode

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

**1** Enter movie mode by pressing **MODE** in shooting mode, selecting 🎥 (press the multi selector ◀), and then pressing ⓞ.




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




**2** Press the shutter-release button fully to start recording.

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

Recording will end if the shutter-release button is pressed all the way down a second time, or when the internal memory or memory card is full.

### Recording Movies

- The self-timer (📖 30) and flash (📖 28) (except for time-lapse and stop-motion movie) cannot be used in movie mode.
- Digital zoom (up to 2×) can be applied while movies are being recorded. Adjust zoom before beginning recording. Once recording begins, optical zoom cannot be adjusted.
- If the camera is pointed at the sun or other bright light source during recording, vertical comet-like streaks ("smear") may appear in the movie. Avoid pointing the camera at bright light sources when filming movies.

### More on Movies

See the information on how movie files are named and stored (📖 110), the maximum total length of movie that can be recorded at different settings (📖 54), and movie menu default settings (📖 108).

# The Movie Menu

Press MENU in movie mode to display the movie menu. Options chosen in this menu are restored the next time movie mode is selected.

| | |
|---|---|
| | **Set up** |
| | Display setup menu (94). |
| | **Movie options (default: Small size 320)** |
| | Choose type of movie that will be recorded (see below). |
| | **Auto-focus mode (default: Single AF)** |
| | Choose how camera focuses in movie mode (57). |

## Selecting Movie Options

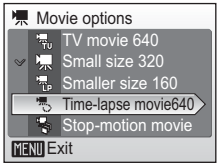
The movie menu offers the options shown below.

| Option | Description | Maximum movie length/ frames* | |
|---|---|---|---|
| | | Internal memory (24 MB) | Memory card (256 MB) |
| TV movie 640 | Movies are recorded at 30 frames per second. Each frame is 640 × 480 pixels in size. | 21 sec. | 3 min. 30 sec. |
| Small size 320 | Movies are recorded at 30 frames per second. Each frame is 320 × 240 pixels in size. | 1 min. 24 sec. | 14 min. 10 sec. |
| Smaller size 160 | Movies are recorded at 30 frames per second. Each frame is 160 × 120 pixels in size. Small size allows for recording of longer movies. | 5 min. 13 sec. | 52 min. 30 sec. |
| Time-lapse movie640 | Movies are recorded at specified interval until the shutter-release button is pressed again, memory is full, or 1,800 frames (60 sec.) have been recorded. Sound is not recorded. | 652 frames | 1,800 frames |
| Stop-motion movie | Pictures are taken at specified playback speed (frame/s) and are joined to create a silent movie. Record flowers opening or butterflies emerging from cocoons. | 200 frames | 200 frames |

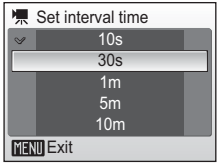
* Movies can be as long as free space in the internal memory or on the memory card allows. All figures are approximate. Maximum movie length varies with make of memory card.

### Time-Lapse Movies

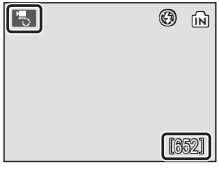
**1** Press the multi selector ▲▼ to choose [Movie options] > [Time-lapse movie640] and press ⓞ.




**2** Press ▲▼ to choose the interval between shots and press ⓞ.




**3** Press MENU to return to shooting mode.




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

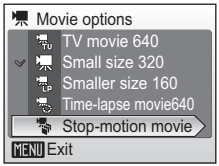
Monitor turns off and indicator lamp blinks green between shots.

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

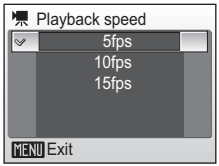
Camera will take pictures at specified interval until the shutter-release button is pressed again, memory is full, or 1,800 frames have been recorded.

## Stop-Motion Movies

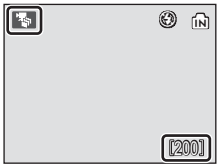
**1** Press the multi selector ▲▼ to choose [Movie options] > [Stop-motion movie] and press ⓞ.




**2** Press ▲▼ to choose the playback speed and press ⓞ.




**3** Press MENU to return to shooting mode.




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

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

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

The second frame will be superimposed on the first frame.

The monitor turns off automatically if no operations are performed for 30 minutes (auto off), and recording of the stop-motion movie ends.

To stop recording, wait until 200 pictures are taken, or press ⓞ.

### Time-Lapse Movie and Stop-Motion Movie

To prevent the camera from turning off unexpectedly during recording, use a fully charged battery.

### Deleting Stop-Motion Pictures

You can delete the last picture (superimposed frame) by using 🗑. A confirmation dialog will be displayed; press ▼ to choose [Yes] and press ⓞ. After deletion of the last picture (for example, Picture C, when taking pictures A, B, and C), the immediately preceding frame (Picture B) will be superimposed on the frame (Picture A), and you can then continue recording.

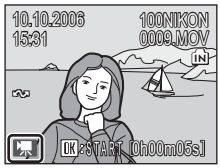
## Auto-Focus Mode

Choose how the camera focuses in movie mode.

| | |
|---|---|
| AF-S | Single AF (default) |
| | Camera focuses when shutter-release button is pressed halfway and locks at this position during shooting, preventing sound of camera focusing from interfering with recording. |
| AF-F | Full-time AF |
| | Camera focuses continuously, even when shutter-release button is not pressed halfway. |

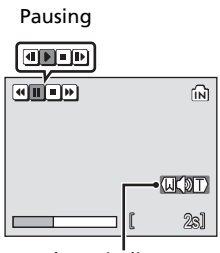
# Movie Playback

In full-frame playback (26), movies are recognized by the icon. To play a movie, display it in full-frame playback and press OK.



Playback display

Use the zoom control (W T) to adjust playback volume. Press the multi selector ◀▶ to choose a control, then press OK to perform the selected operation.

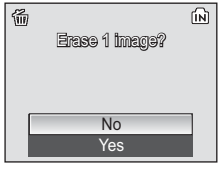



| | | |
|---|---|---|
| | Rewind movie. Playback resumes when OK is released. | |
| | Advance movie. Playback resumes when OK is released. | |
| | Pause playback. The following operations can be performed while playback is paused. | |
| | | Rewind movie by one frame. Rewind continues while OK is pressed. |
| | | Advance movie by one frame. Advance continues while OK is pressed. |
| | | Resume playback. |
| | | End playback and return to full-frame playback. |
| | End playback and return to full-frame playback. | |

## Deleting Movie Files

Display a movie in full-frame (26) or thumbnail playback mode (46) and press 🗑.

A confirmation dialog is displayed. Choose [Yes] and press OK to delete the movie, or choose [No] and press OK to return to the normal playback display without deleting the movie.

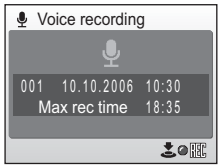


# Making Voice Recordings

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

**1** Enter voice recording mode by pressing **MODE** in shooting mode, selecting 🎙 (press the multi selector ▼), and then pressing ⓞ.

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




**2** Press the shutter-release button fully to start recording.*

**1** Recording indicator
**2** File number
**3** Length of recording
**4** Date and time of recording
**5** Time remaining
**6** Index number
**7** Progress indicator

* Camera enters standby mode (📖 15) after about 30 seconds and indicator lamp turns red. Press ⓞ to reactivate display.

**3** Press the shutter-release button fully a second time to end recording.

Recording will end automatically if the internal memory or memory card becomes full, or after five hours of recording on the memory card (256 MB or more).

Use the following during recording:

| | | |
|---|---|---|
| Pause/resume recording | ⓞ | Press ⓞ once to pause recording; indicator lamp will blink. Press again to resume. |
| Create index | | During recording, press the multi selector ▲▼◀▶ to create index. Camera can skip to any index during playback. Start of recording is index number 1; other numbers are assigned in ascending order, to a maximum of 98. |
| End recording | Shutter button | Press the shutter-release button fully a second time to end recording. |

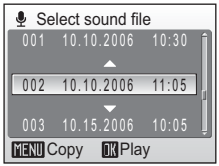
# Playing Voice Recordings

**1** Enter audio playback mode by pressing **MODE** in playback mode, selecting (press the multi selector ▼), and then pressing ⓞ.

Voice recording files will be listed.

**2** Press ▲▼ to choose the desired file and press ⓞ.

The selected file will be played back.

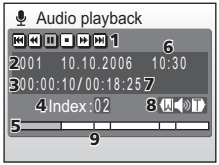



**3** Press ▲▼ to advance or rewind.

To delete recording, press 🗑.

Press **MENU** to exit playback and return to recording mode.

**1** Control icons*
**2** File number
**3** Playback time
**4** Index number
**5** Progress indicator
**6** Date and time of recording
**7** Length of recording
**8** Volume†
**9** Index



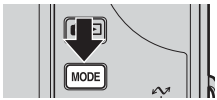

* Press ◀▶ to choose control, press ⓞ to select.
† Zoom control controls volume. Select **W** to lower volume, **T** to raise volume.

| | |
|---|---|
| ⏸ | Pause playback. |
| ▶ | Resume playback. |
| ⏩ | Advance recording. Playback resumes when multi selector is released. |
| ⏪ | Rewind recording. Playback resumes when multi selector is released. |
| ⏮ | Return to start of current index. |
| ⏭ | Skip to next index. |
| ⏹ | End playback and return to voice recording list. |

# Copying Voice Recordings

To copy voice recordings between internal memory and a memory card, display the voice recording list shown in step 3 on the preceding page and press **MENU**. This option is available only when a memory card is inserted.

**1** Press **MODE** in the Select sound file screen (60).



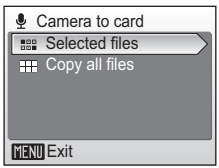

: Copy recordings from internal memory to memory card

: Copy recordings from memory card to internal memory

**2** Press the multi selector ▲▼ to choose the option and press OK.

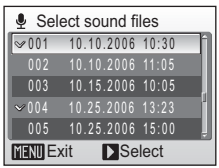
**3** Press ▲▼ to choose the copy option.

To copy all voice recordings, choose [Copy all files] and press OK. A confirmation dialog will be displayed; choose [Yes] and press OK.




**4** Press ▲▼ to choose the desired file and press OK.

A confirmation dialog will be displayed.




**5** Press ▲▼ to choose [Yes] and press OK.

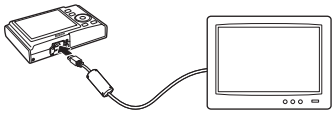
Copying starts.

### Voice Recordings

The COOLPIX S9 may be unable to play or copy sound files created with other devices.

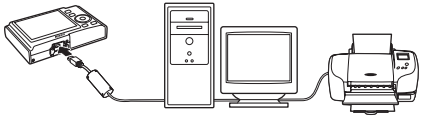
You can connect your camera to your television, computer, or printer to view pictures you have taken.

**Connecting to a TV (63)**



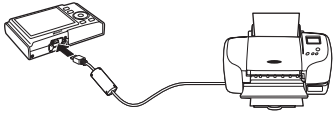
View pictures on a TV by connecting your camera via the supplied audio/video (A/V) cable.

**Connecting to a Computer (64)**



Use the supplied PictureProject software to copy pictures to a computer, and then organize, browse, edit, and save those pictures. You can also print pictures from a printer connected to the computer. Connect the camera to the computer using the supplied USB cable.

**Connecting to a Printer (68)**



Connect your camera directly to a PictBridge-compatible printer. Use the supplied USB cable to connect the camera to a printer for direct printing.

### Before Connecting the Camera

Use a fully charged battery to prevent the camera from turning off unexpectedly while connected.

### Playback, Transfer, or Print Pictures from the Internal Memory

To view pictures stored in the camera's internal memory on a TV, transfer them to a computer, or print with direct connection to a printer, remove the memory card from the camera.

### Printing Pictures

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

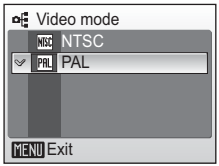
- Insert a memory card into a DPOF-compatible printer's card slot
- Take a memory card to a digital photo lab

For printing using these methods, specify the pictures and the number of prints each using your camera's [Print set] menu (74).

# Connecting to a TV

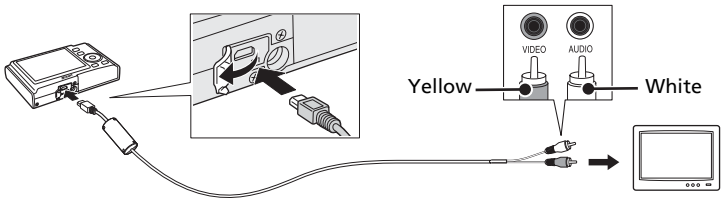
Connect the camera to a television using the A/V cable to play back pictures on the television.

## 1 Choose [NTSC] or [PAL] to match your TV video standard (106) and then turn off the camera.




## 2 Connect the A/V cable.

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

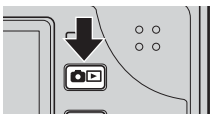



## 3 Tune the television to the video channel.

See the documentation provided with your television for details.

## 4 Press ⏏▶ for one second to turn on the camera.

The camera monitor will remain off and the image normally shown in the monitor will be displayed on the television.



### Connecting an A/V Cable

- When connecting the A/V cable, be sure that the camera connector is oriented correctly. Do not use force when connecting the A/V cable to the camera. When disconnecting the A/V cable, do not pull the connector at an angle.
- Do not pinch the connector cover between the camera's A/V connector and the A/V cable connector when connecting the cable to the camera.

# Connecting to a Computer

Use the USB cable and PictureProject software supplied with your camera to copy (transfer) pictures to a computer.

## Before Connecting the Camera

### Installing PictureProject

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

### Confirming USB Option

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

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

The method used will depend on your computer's operating system and the USB option (📖 65) selected in the camera's setup menu (📖 106).

| Operating system | Camera ↷ (OK) button[1] | PictureProject Transfer button |
|---|---|---|
| | USB mode[2] | |
| Windows XP Home Edition<br>Windows XP Professional | Choose [Mass storage] or [PTP]. | |
| Windows 2000 Professional[3] | Choose [Mass storage]. | |
| Mac OS X 10.3.9 or later | Choose [PTP]. | Choose [Mass storage] or [PTP]. |

[1] The camera's ↷ (OK) button cannot be used to transfer pictures in the following cases. Use the PictureProject Transfer button.
- When transferring pictures from the camera's internal memory and [Mass storage] is selected in the USB menu.
- When the memory card write-protect switch is in the "lock" position. Unlock by sliding the switch to the "write" position before transferring pictures.

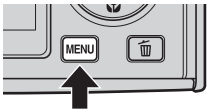
[2] This camera supports the USB mass storage device class (default setting [Mass storage]) and Picture Transfer Protocol ([PTP]) USB transfer protocols.

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

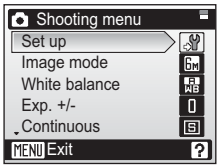
## Setting the USB Option

Set the USB option (106) in the setup menu on the camera before connecting the camera to the computer or printer.

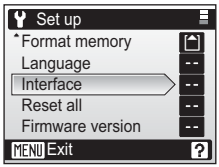
**1** Press MENU.



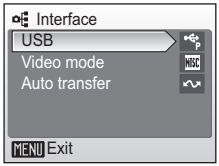

**2** Press the multi selector ▲▼ to choose [Set up] and press OK.




**3** Press ▲▼ to choose [Interface] and press OK.

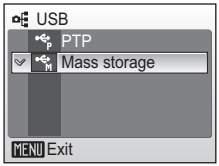



**4** Press ▲▼ to choose [USB] and press OK.




**5** Press ▲▼ to choose [PTP] or [Mass storage] and press OK.

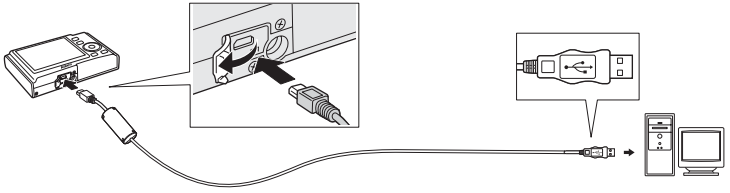
The setting is enabled.



## Transferring Pictures to a Computer

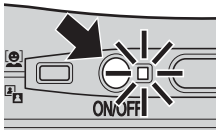
**1** Start a computer to which PictureProject has been installed.

**2** Turn the camera off and connect the USB cable as shown below.



**3** Turn on the camera.

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




**4** Transfer pictures.

### Transfer using PictureProject

Click the PictureProject Transfer button.

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

### Transfer using the camera's ↷ (OK) button

While PictureProject Transfer is launched, press ↷ (OK) to copy pictures marked for transfer (67) to the computer. The following messages are displayed in the camera monitor during transfer.

## 5 Disconnect the camera once transfer is complete.

### If the USB option is set to [PTP]

Turn the camera off and disconnect the USB cable.

### If the USB option is set to [Mass storage]

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

**Windows XP Home Edition/Windows XP Professional**

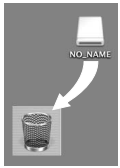
Click the [Safely Remove Hardware] icon ( ) in the taskbar and select [Safely remove USB Mass Storage Device] from the menu displayed.

**Windows 2000 Professional**

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

**Macintosh**

Drag the untitled camera volume ("NO NAME") to the Trash.



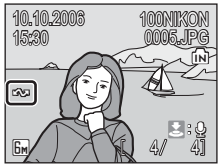

### Connecting the USB Cable

- When connecting the USB cable, be sure that the connectors are oriented correctly. Do not use force when connecting the USB cable. When disconnecting the USB cable, do not pull the connector at an angle.
- Do not pinch the connector cover between the camera's USB connector and the USB cable connector when connecting the cable to the camera.

### Marking Pictures for Transfer

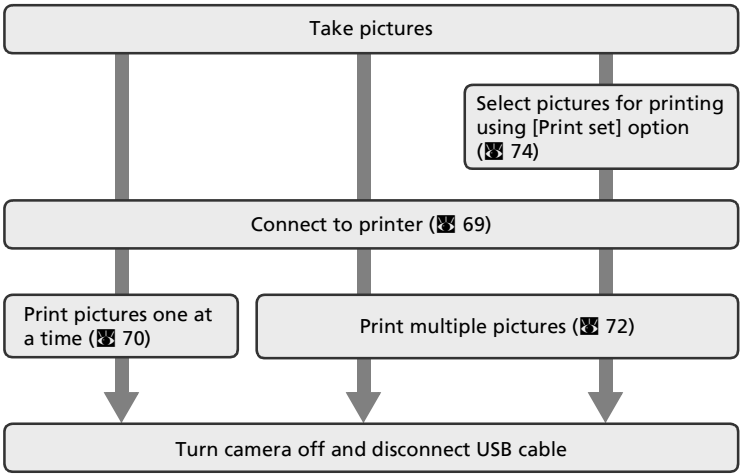
Pictures marked for transfer are recognized by the icon displayed during playback. As the default setting, all pictures are automatically marked for transfer. Two options control transfer marking:

- [Interface] > [Auto transfer] in the setup menu: Choose [On] to mark all new pictures for transfer (106).
- [Transfer marking] in the playback menu: Change marking for existing pictures (92).



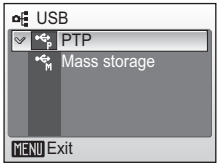
# Connecting to a Printer

Users of PictBridge-compatible (117) printers can connect the camera directly to the printer and print pictures without using a computer.

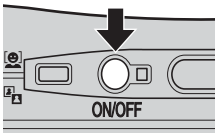


## Connecting the Camera and Printer

**1** Set the USB option (65) to [PTP].



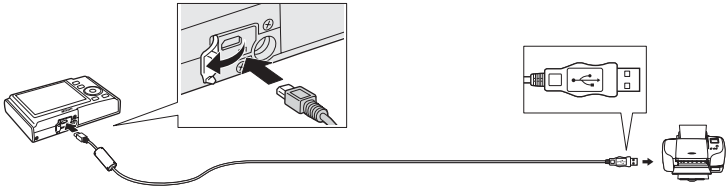

**2** Turn off the camera.




**3** Turn on the printer.

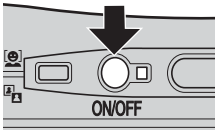
Check printer settings.

**4** Connect the USB cable as shown below.

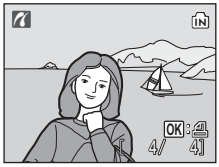


**5** Turn on the camera.

The PictBridge start-up screen will be displayed in the camera monitor. The camera will then enter full-frame playback with the PictBridge logo displayed in the top left corner of the monitor.




① ②



### Connecting the USB Cable

- When connecting the USB cable, be sure that the connectors are oriented correctly. Do not use force when connecting the USB cable. When disconnecting the USB cable, do not pull the connector at an angle.
- Do not pinch the connector cover between the camera's USB connector and the USB cable connector when connecting the cable to the camera.

## Printing Pictures One at a Time

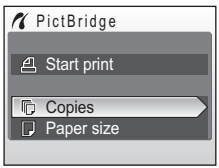
After connecting the camera to the printer correctly (69), print pictures by following the procedure below.

**1** Press the multi selector ▲▼◀▶ to choose a picture and press ⓞ.

The PictBridge menu is displayed.

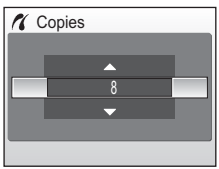
To choose a picture from a list of thumbnails, press the zoom control **W** (▦) and use the multi selector to choose the desired picture, or press to **T** (🔍) to exit to full-frame playback.

**2** Press ▲▼ to choose [Copies] and press ⓞ.

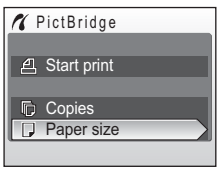



**3** Press ▲▼ to choose number of copies (up to 9) and press ⓞ.

Monitor display returns to the PictBridge menu (step 2).



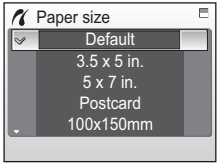

**4** Press ▲▼ to choose [Paper size] and press ⓞ.



**5** Press ▲▼ to choose the desired paper size and press ⓞⓚ.

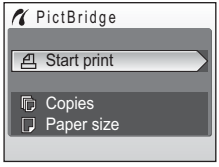
Monitor display returns to the PictBridge menu (step 2).

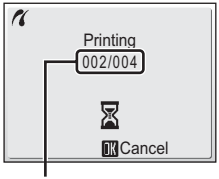
To specify paper size using printer settings, choose [Default] in the paper size menu and press ⓞⓚ.




**6** Press ▲▼ to choose [Start print] and press ▶.

Monitor display returns to that shown in step 1 when printing is complete. To cancel before all copies have been printed, press ⓞⓚ.



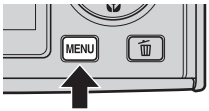

Current print/total number of prints

## Printing Multiple Pictures

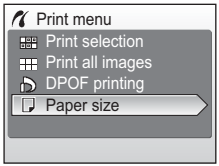
After connecting the camera to the printer correctly (69), print pictures by following the procedure below.

**1** Press MENU.

The print menu is displayed.



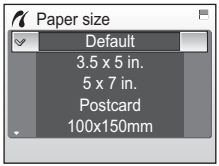

**2** Press the multi selector ▲▼ to choose [Paper size] and press OK.




**3** Press ▲▼ to choose the desired paper size and press OK.

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

Monitor display returns to the print menu (step 2).




**4** Press ▲▼ to choose [Print selection], [Print all images] or [DPOF printing] and press OK.

Print selection

Select pictures and specify the number of prints for each picture. Proceed to step 5.

Print all images

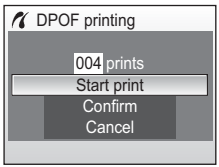
All pictures stored in the internal memory or memory card are printed. Monitor display returns to the print menu (step 2) when printing is complete.

DPOF printing

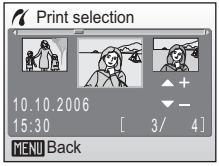
Pictures for which a print order has been created are printed accordingly (74). To print, press ▲▼ to choose [Start print] and press OK.

Monitor display returns to the print menu (step 2).

To view the current print order, choose [Confirm] and press OK. Print order details will be displayed. Proceed to step 7.



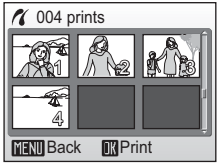
## 5 Choose the pictures and number of copies (up to 9) of each and press ⓞ.




The current picture is shown at the center of the display. Press ◀▶ to choose the previous or next picture. Press ▲▼ to increase or decrease the number of copies for each picture.

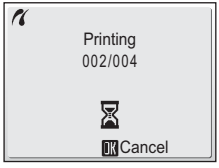
Pictures selected for printing are recognized by the 🖶 icon and the number of copies to be printed. 🖶 is not displayed with pictures for which 0 copies have been specified and these pictures will not be printed.

## 6 Press ▲▼◀▶ to check the selected pictures you wish to print.




Thumbnails of the chosen pictures for printing are displayed. Press MENU to modify the selection and return to step 5.

## 7 Press ⓞ to start printing.




Monitor display returns to the print menu (step 2) when printing is complete. To cancel before all copies have been printed, press ⓞ.



### Paper Size

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

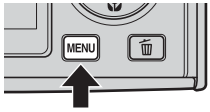
# Creating a DPOF Print Order: Print Set

The [Print set] option in the playback menu (88) is used to create digital "print orders" for printing on DPOF-compatible devices (126). In addition to pictures themselves, shooting date and photo information (shutter speed, aperture, etc.) can also be printed.

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



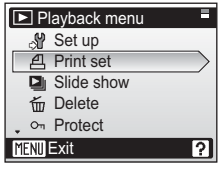
**1** Press MENU in playback mode.




The playback menu is displayed.

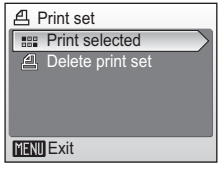
When printing from a PictBridge-compatible printer, create print orders before connecting the camera to the printer.

**2** Press the multi selector ▲▼ to choose [Print set] and press ⓞ.



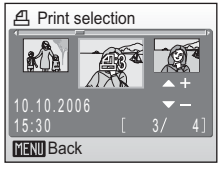

The print set menu is displayed.

**3** Press ▲▼ to choose [Print selected] and press ⓞ.




To delete the current print order, choose [Delete print set] and press ⓞ.

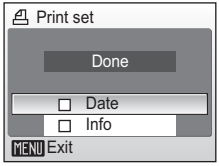
**4** Choose the pictures and number of copies (up to 9) of each.




The current picture is shown at the center of the display. Press ◀▶ to choose the previous or next picture. Press ▲▼ to increase or decrease the number of copies for each picture.

Pictures selected for printing are recognized by the 🖶 icon and the number of copies to be printed. 🖶 is not displayed with pictures for which 0 copies have been specified and these pictures will not be printed.

## 5 Press ⓞⓚ.



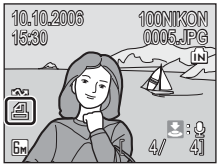

Press ▲▼ to choose an option and press ⓞⓚ to enable that option.

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

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

[Done]: Complete the print order and exit.

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

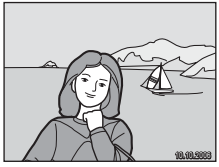



### Print Set

[Date] and [Info] are reset each time the print set menu (step 4) is displayed. Information normally printed when [Info] is selected in the print set menu is not printed when the camera is connected directly to the printer.

### Note on the Print Set [Date] Option

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



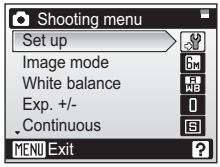

### Differences Between Print Set and Date Imprint

- Date and time can only be printed on pictures using the [Date] option in the print set menu when pictures are printed from a DPOF-compatible printer (📖 101).
- Use the [Date imprint] (📖 101) option in the setup menu to print the date on pictures from a printer that does not support DPOF (position of the date is fixed at the bottom right hand corner of the picture). Once the [Date imprint] option is enabled, the date forms a permanent part of the image and cannot be deleted from pictures.
- When the date option for both [Print set] and [Date imprint] is enabled, only the date from the [Date imprint] option is printed, even when a DPOF-compatible printer is used.

# Shooting Options: The Shooting Menu

The shooting menu contains the following options only available in mode (with the exception of [Image mode]).

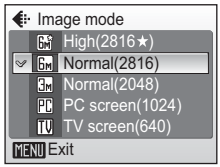
See "The MENU Button" (10) for information on viewing and using the menu.




| | | |
|---|---|---|
| | **Set up** | 94 |
| | Display the setup menu. | |
| | **Image mode** | 77 |
| | Choose image size and quality. | |
| WB | **White balance*** | 79 |
| | Match white balance to the light source. | |
| | **Exp. +/–** | 81 |
| | Adjust exposure for very bright or very dark subjects. | |
| | **Continuous*** | 82 |
| | Take pictures one at a time or in a sequence. | |
| BSS | **BSS*** | 84 |
| | Use the "best shot selector" to choose the sharpest picture. | |
| ISO | **Sensitivity** | 85 |
| | Control camera's sensitivity to light. | |
| | **Color Options*** | 86 |
| | Apply color effects to pictures as they are recorded. | |

* See the information on restrictions that may apply to [White balance], [Continuous], [BSS], and [Color Options] settings (87).

## Image Mode




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

| Options | Size (pixels) | Description |
|---|---|---|
| High(2816★) | 2,816 × 2,112 | Highest quality, suitable for enlargements or high-quality prints. |
| Normal(2816) | 2,816 × 2,112 | Best choice in most situations. |
| Normal(2048) | 2,048 × 1,536 | Smaller size allows more pictures to be stored. |
| PC screen(1024) | 1,024 × 768 | Suited to display on computer monitor. |
| TV screen(640) | 640 × 480 | Suited to full-screen display on a television or distribution by e-mail or the web. |

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



### Image Mode

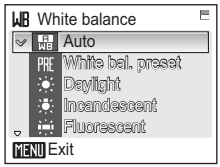
The image mode setting can also be applied from the one-touch portrait and scene menus. Changes made to the image mode setting from any of the three menus apply to all shooting modes.

### Image Mode and the Number of Exposures Remaining

The following table lists the number of pictures that can be stored in internal memory and on a 256 MB memory card, together with the size of still pictures. All figures are approximate. If the number of exposures remaining is 10,000 or more, the number of exposure remaining display shows [9999].

| Setting | | Internal memory (24 MB) | 256 MB memory card | Print size (printed at 300 dpi; cm/in.) |
|---|---|---|---|---|
| 6M | High(2816★) | 9 | 90 | 24 × 18 / 9½ × 7 |
| 6M | Normal(2816) | 18 | 180 | 24 × 18 / 9½ × 7 |
| 3M | Normal(2048) | 32 | 320 | 17 × 13 / 7 × 5 |
| PC | PC screen(1024) | 127 | 1,280 | 9 × 7 / 3½ × 2½ |
| TV | TV screen(640) | 191 | 1,920 | 5 × 4 / 2 × 1½ |

## WB White Balance




Adjust white balance based on the light source to give pictures the most realistic colors possible. [Auto] can be used under most types of lighting, or you can apply the white balance setting suited to a particular light source to achieve more accurate results.

| | |
|---|---|
| AUTO WB | **Auto (default)**<br>White balance automatically adjusted to suit lighting conditions. Best choice in most situations. |
| PRE | **White bal. preset**<br>Neutral-colored object used as reference to set white balance under unusual lighting conditions (📖 80). |
| ☀ | **Daylight**<br>White balance adjusted for direct sunlight. |
| 💡 | **Incandescent**<br>Use under incandescent lighting. |
| ▦ | **Fluorescent**<br>Use under most types of fluorescent lighting. |
| ☁ | **Cloudy**<br>Use when taking pictures under overcast skies. |
| ⚡ | **Flash**<br>Use with the flash. |

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



### Flash Mode

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

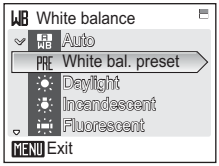
## PRE Preset White Balance

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

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

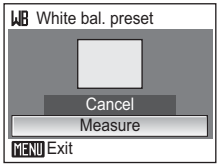
**2** Press the multi selector ▲▼ to choose [White bal. preset] and press OK.

The camera zooms in.

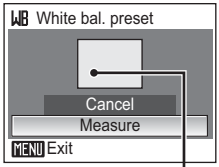



**3** Press ▲▼ to choose [Measure].

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




**4** Frame the reference object.

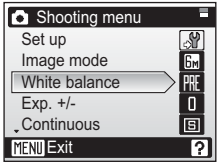



Reference object frame

**5** Press OK.

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

No pictures are recorded.

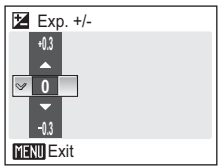



### Note on Preset White Balance

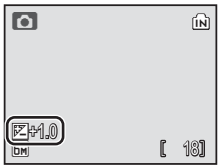
The camera cannot measure a value for preset white balance when the flash fires. Regardless of the flash mode selected, the flash will not fire when OK is pressed in step 5.

## Exp. +/–

Exposure compensation is used to alter exposure from the value selected by the camera. Choose from values between –2.0 EV and +2.0 EV in increments of 1/3 EV. Negative values produce darker pictures, positive values brighter pictures.




The effects can be previewed in the display. At settings other than zero, the current value for exposure compensation is also displayed in the monitor.



## Continuous

Capture a fleeting expression on a portrait subject, photograph a subject that is moving unpredictably, or capture motion in a series of pictures.

**Single (default)**

One shot is taken each time shutter-release button is pressed. When [Single] is selected, no indicator is displayed in the monitor.

**Continuous**

While shutter-release button is pressed, camera takes pictures at up to 1.7 frames per second. COOLPIX S9 can take up to 3 pictures at a time at image-mode setting of [Normal(2816)].

**Multi-shot 16**

Each time shutter-release button is pressed, camera takes 16 shots at about 2.1 frames per second and arrange them in a single picture 2,816 × 2,112 pixels as shown at right.

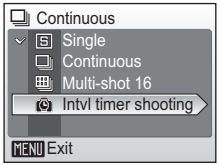
**Intvl timer shooting**

Camera takes pictures automatically at specified interval until the shutter-release button is pressed again, memory is full, or 1,800 frames have been recorded (83).

The indicator for the current setting is displayed in the monitor (6). At settings other than [Single], focus, exposure, and white balance are fixed at the values for the first picture in each series.

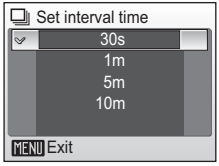
### Interval Timer Photography

**1** Press the multi selector ▲▼ to choose [Intvl timer shooting] and press OK.



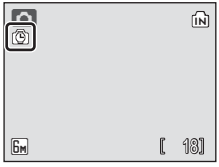

**2** Press ▲▼ to choose interval between shots and press OK.

Press MENU to return to shooting mode.



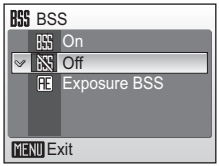

**3** Press the shutter-release button fully to start recording.

Monitor turns off and indicator lamp blinks green between shots.



## Best Shot Selector (BSS)

The "best shot selector" is recommended from situations in which inadvertent camera movement can result in blurred pictures, or when parts of the image are prone to under- or overexposure. BSS may not produce the desired results if the subject moves or the composition changes while the shutter-release button is fully pressed.



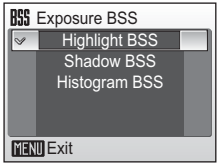

**On**

Camera takes shots while shutter-release button is pressed, to a maximum of ten. These images are then compared and the sharpest picture (picture with highest level of detail) is saved. Flash automatically turns off and focus, exposure, and white balance for all pictures are determined by the first picture in each series.

**Exposure BSS**

Selecting this option displays sub-menu shown at right. Choose from:

- [Highlight BSS]: picture with smallest area of overexposure is selected.
- [Shadow BSS]: picture with smallest area of underexposure is selected.
- [Histogram BSS]: of pictures with least under- and over-exposure, camera chooses picture with overall exposure closest to optimum.



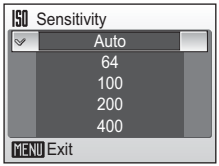

Camera takes five shots each time shutter-release button is pressed, but only the picture that best meets the selected criterion is saved. Flash automatically turns off and focus and white balance for all pictures are determined by first picture in each series. Recommended for high-contrast subjects, when it is difficult to set exposure correctly.

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

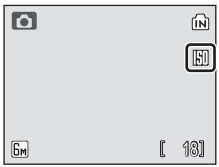
## ISO Sensitivity

Sensitivity is a measure of how quickly the camera reacts to light. The higher the sensitivity, the less light needed to make an exposure. Although a high ISO rating is suited for taking pictures of subjects in action or in poor lighting, high sensitivity is often associated with "noise" -randomly spaced, brightly colored pixels concentrated in dark parts of the image. Choose from values between ISO 64 and 400 equivalent.

[Auto] is equivalent to ISO 64 under normal conditions; when lighting is poor and the flash is off, the camera compensates by raising sensitivity to a maximum of ISO 400 equivalent.

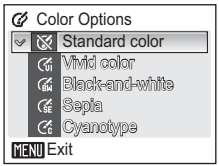



At settings other than [Auto], the current setting is displayed in the monitor (6). If [Auto] is selected and the sensitivity is raised above an ISO 64 equivalent, the ISO icon will be displayed.



## Color Options

Make colors more vivid or record pictures in monochrome.




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

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

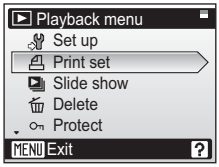
## Restrictions on Camera Settings

Restrictions apply to the following settings in mode:

| | |
|---|---|
| Flash mode | |
| | Flash turns off at [Continuous] settings of [Continuous] or [Multi-shot 16] or when [BSS] is on. Applied setting is restored when [Single] or [Intvl timer shooting] is selected or [BSS] is turned off. |
| Self-timer | |
| | If self-timer is on, only one shot will be taken when shutter is released, regardless of settings chosen for [Continuous] and [BSS]. Applied [Continuous] and [BSS] settings are restored when picture is taken or self-timer is turned off. |
| Continuous | |
| | Selecting [Continuous], [Multi-shot 16], or [Intvl timer shooting] turns [BSS] off. Applied [BSS] setting is *not* restored when [Single] is selected. |
| BSS | |
| | [Continuous] is automatically set to [Single] when [BSS] is on. Applied setting is *not* restored when [BSS] is turned off. |
| White balance | |
| | White balance is automatically set to [Auto] and cannot be adjusted when [Black-and-white], [Sepia], or [Cyanotype] is selected for [Color Options]. Applied white balance setting is restored when [Standard color] or [Vivid color] is selected. |

# Playback Options: The Playback Menu

The playback menu contains the following options. See "The MENU Button" (10) for information on viewing and using the menu.

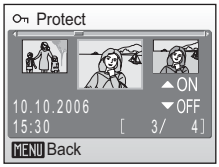



| | | |
|---|---|---|
| | **Set up** | 94 |
| | Display the setup menu. | |
| | **Print set** | 90 |
| | Select pictures for printing. | |
| | **Slide show** | 90 |
| | View pictures in an automatic slide show. | |
| | **Delete** | 91 |
| | Delete all or selected pictures. | |
| | **Protect** | 91 |
| | Protect selected pictures from accidental deletion. | |
| | **Transfer marking** | 92 |
| | Change transfer marking for existing pictures. | |
| | **Small pic.** | 51 |
| | Create a small copy of the current picture. | |
| | **Copy** | 93 |
| | Copy files between memory card and internal memory. | |

### Selecting Multiple Pictures

Follow the steps below to select multiple pictures for a print set (📖 90), deletion (📖 91), protection from deletion (📖 91), transfer (📖 92), copying between internal memory and the memory card (📖 93), or for the welcome screen (📖 96).

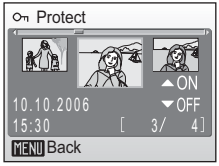
The process for protecting multiple pictures is shown here as example.




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

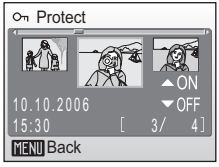
The current picture is displayed at the center of the monitor.

For the welcome screen, select a picture and proceed to step 3.



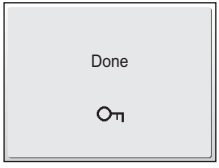

**2** Press ▲▼ to select [ON] or [OFF] (or the number of copies).

When [ON] is selected, the indicator for the specified function is displayed in the center of the current picture. Repeat steps 1 and 2 to select additional pictures.




**3** Press ⓞ.

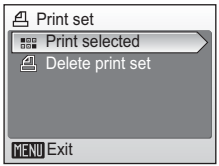
The setting is enabled.



## Print Set

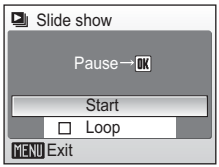
Create digital "print orders" for PictBridge printers (📖 126) and DPOF-compatible devices (📖 74).

**See "Selecting Multiple Pictures" (📖 89) for more information on using this function.**




## Slide Show

Play pictures back in an automated "slide show" with a three-second interval between pictures.




### 1 Press the multi selector ▲▼ to choose [Start].

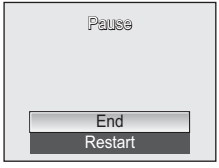
To repeat the slide show automatically, enable [Loop] and press OK before choosing [Start]. ✔ will be added to the loop option when enabled.

### 2 Press OK.

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

- Press ▶ to skip to the next picture, or ◀ to return to the previous picture. Hold down to fast forward (▶) or rewind (◀).
- Press OK to pause the slide show.

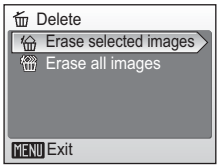
The menu shown at right is displayed when the slide show ends or is paused. Choose [Restart] and press OK to play the slide show again, or choose [End] to stop the slide show and return to the playback menu.




### Notes on the Slide Show

- Only the first frame of movies (📖 58) included in slide shows is displayed.
- Select [Loop] to repeat the slide show until OK is pressed. Note that the monitor will turn off automatically (📖 104) if no operations are performed for 30 minutes. The camera will turn off automatically if no operations are performed for another three minutes.

## Delete




The delete menu contains the options shown below.

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

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

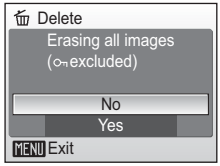
| | |
|---|---|
| | Erase selected images |

Delete selected pictures.
**See "Selecting Multiple Pictures" (89) for more information on using this function.**

| | |
|---|---|
| | Erase all images |

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

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



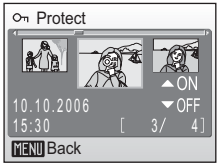

### Notes on Deletion

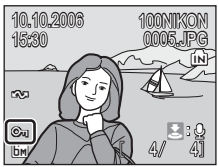
- Once deleted, pictures cannot be recovered. Transfer important images to a computer before deletion.
- Pictures marked with the icon are protected and cannot be deleted.

## Protect

Protect selected pictures from accidental deletion. Protected pictures are recognized by the icon (see right, below) and cannot be deleted using or the [Delete] option in the playback menu. Note, however, that formatting will delete protected files (105).

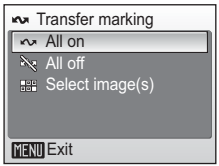
**See "Selecting Multiple Pictures" (89) for more information on using this function.**

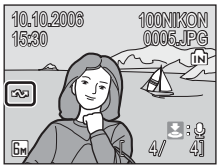


## Transfer Marking

When the camera is connected to a computer via the supplied USB cable and (OK) is pressed to transfer pictures, only pictures marked with a icon are transferred (66). At the default setting, all pictures are marked for transfer.




| | |
|---|---|
| | **All on** |
| | Mark all images for transfer. |
| | **All off** |
| | Remove transfer marking from all images. |
| | **Select Image(s)** |
| | Mark selected pictures for transfer.<br>**See "Selecting Multiple Pictures" (89) for more information on using this function.** |

Pictures selected for transfer are recognized by the icon (7).



### Marking for Transfer

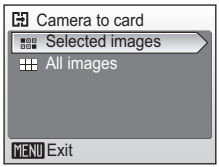
- No more than 999 pictures can be marked for transfer. If more than 999 pictures are marked, use PictureProject to transfer the pictures. See the *PictureProject Reference Manual* (on CD) for details.
- This camera cannot recognize the transfer settings for pictures applied with another make of camera. Use the COOLPIX S9 to select the pictures to transfer again.

## Copy

Copy pictures between the internal memory and a memory card.

The options of this menu allows you to copy the specified pictures or all pictures in the internal memory or on the memory card.

**See "Selecting Multiple Pictures" (89) for more information on using the [Selected images] option.**




| | |
|---|---|
| → | Copy pictures from internal memory to memory card. |
| → | Copy pictures from memory card to internal memory. |

### Notes on Copying Pictures

- If there is not enough space in the memory or on the memory card to receive the copy, an error message will be displayed. Delete unwanted pictures or insert a new memory card (if using a memory card) before trying again.
- The file format of images that can be copied is JPEG, MOV, or WAV.
- Voice memos (52) are copied with the associated picture, but voice recordings (59) are not. See "Copying Voice Recordings" (61) for information on copying voice recordings.
- Copied pictures are stored separately from the original picture. Refer to "Image File and Folder Names" (110) for more information. The camera may be unable to copy pictures that were created with another make of camera or that have been modified on a computer.

### File Names of Copied Pictures

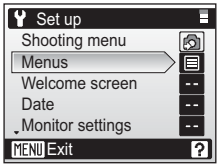
- When pictures are copied using the [Selected images] option, the newly copied pictures are numbered consecutively from the largest number existing between the two memory sources. Ex: when the last number in the source memory is 32 (DSCN0032.JPG) and the last number in the destination memory is 18 (DSCN0018.JPG).
  The copied pictures are assigned numbers starting form DSCN0033.
  After that, numbering will continue from the lowest number after the number of the last file that was copied.
- When pictures are copied using the [All images] option, all the pictures in the folder are copied with the same file numbers. The newly copied folder is assigned the lowest available number.

### Copies

Edited copies have the same protection marking as the original but are not marked for printing or transfer.

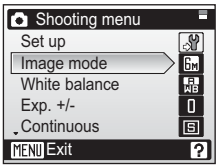
# Basic Camera Setup: The Setup Menu

The setup menu contains the following options. See "The MENU Button" (10) for information on viewing and using the menu.

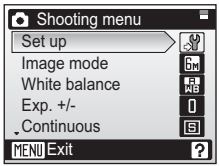



| | | |
|---|---|---|
| MENU | **Menus** | 95 |
| | Choose how menus are displayed. | |
| | **Welcome screen** | 96 |
| | Select screen displayed when camera is turned on. | |
| | **Date** | 97 |
| | Set camera clock and choose home and destination time zones. | |
| | **Monitor settings** | 100 |
| | Adjust monitor brightness and choose display style. | |
| DATE | **Date imprint** | 101 |
| | Imprint date or date counter on pictures. | |
| | **AF assist** | 103 |
| | Enable or disable AF assist illumination. | |
| | **Sound settings** | 103 |
| | Adjust sound and volume settings. | |
| | **Blur warning** | 104 |
| | Turn blur warning on or off. | |
| | **Auto off** | 104 |
| | Set time before camera enters standby mode to save power. | |
| /[ ] | **Format memory/Format card** | 105 |
| | Format internal memory or memory card. | |
| | **Language** | 106 |
| | Choose language for camera menus and messages. | |
| | **Interface** | 106 |
| | Adjust settings for connection to television or computer. | |
| | **Reset all** | 107 |
| | Restore camera settings to default values. | |
| Ver. | **Firmware version** | 108 |
| | Display camera firmware version. | |

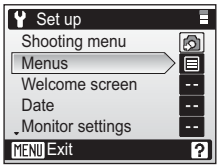
## Displaying the Setup Menu




Display the shooting or playback menu*.



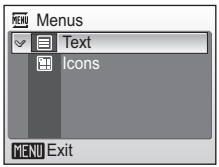

Press the multi selector ▲▼ to choose [Set up] and press ⓞ.

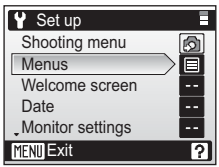



* To display the setup menu in scene mode (38), one-touch portrait mode (44), voice recording mode (59) or movie mode (54), first display the menu for that mode and then choose [Set up].

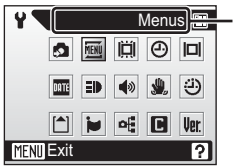
## Menus

Choose whether the initial menus displayed for the shooting menu, scene menu, movie menu, one-touch portrait menu, and playback menu use text or icons. When [Icons] is selected, all menu items can be displayed in a single page.




[Text]

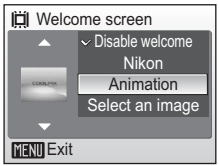



Menu names

[Icons]

## Welcome Screen

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




**Disable welcome (default setting)**

A welcome screen is not displayed when the camera is turned on.

**Nikon**

Displays a welcome screen when the camera is turned on.

**Animation**

Displays a short animation when the camera is turned on.

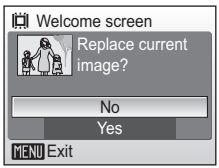
**Select an image**

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



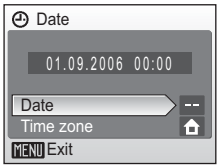
### When "Select an image" is Selected

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



## Date

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




**Date**

Set camera clock to current date and time (16).

**Time zone**

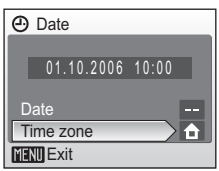
When ✈ (destination time zone) is selected, the time difference (99) is automatically calculated and the date and time in the selected region are displayed. Home time zone and daylight saving time can be set in the time zone menu.

### Setting Travel Destination Time Zone

**1** Press the multi selector ▲▼ to choose [Time zone] and press ⓞⓚ.

The time zone menu is displayed.

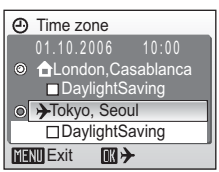
For information on using the multi selector, see "The Multi Selector" (8).




**2** Press ▲▼ to choose ✈ and press ⓞⓚ.

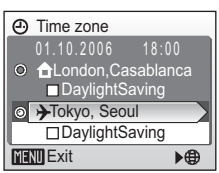
The date and time displayed on the monitor changes according to the region currently selected.

If daylight saving time is in effect, press ▼ to choose [DaylightSaving], press ⓞⓚ and then press ▲. The time is automatically advanced one hour.



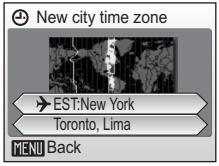

**3** Press ▶.

The new city time zone menu is displayed.



**4** Press ◀▶ to choose the travel destination time zone and press ⊛.

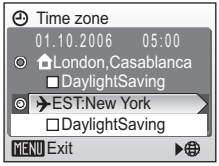
The setting is enabled.




**5** Press MENU.

The camera returns to shooting or playback mode.

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




### The Clock Battery

The clock battery charges when the main battery is installed, and can provide 2 days of backup power.

### ⌂ (Home Time Zone)

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

### Daylight Saving Time

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

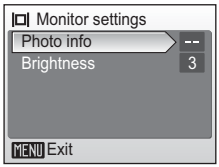
### Time Zones (16)

The camera supports the time zones listed below. Increments of less than one hour are not supported; when travelling to or from destinations at half- or quarter-hour increments from Greenwich Mean Time (GMT), such as Afghanistan, Central Australia, India, Iran, Nepal, or Newfoundland, set the camera clock to local time (16, 97).

| GMT +/– | Location |
|---|---|
| –11 | Midway, Samoa |
| –10 | Hawaii, Tahiti |
| –9 | Alaska, Anchorage |
| –8 | PST (PDT): Los Angeles, Seattle, Vancouver |
| –7 | MST (MDT): Denver, Phoenix, La Paz |
| –6 | CST (CDT): Chicago, Houston, Mexico City |
| –5 | EST (EDT): New York, Toronto, Lima |
| –4 | Caracas, Manaus |
| –3 | Buenos Aires, São Paulo |
| –2 | Fernando de Noronha |
| –1 | Azores |
| ±0 | London, Casablanca |

| GMT +/– | Location |
|---|---|
| +1 | Madrid, Paris, Berlin |
| +2 | Athens, Helsinki |
| +3 | Moscow, Nairobi |
| +4 | Abu Dhabi, Dubai |
| +5 | Islamabad, Karachi |
| +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




Choose whether or not to display information in the monitor, and set the monitor brightness. The following options are available:

**Photo info**

Choose information displayed in monitor (see below).

**Brightness (default: 3)**

Choose from five settings for monitor brightness.

### Photo Info

The following display options are available:

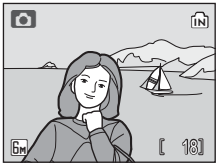
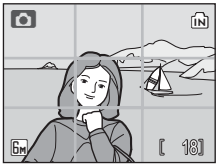
| | | |
|---|---|---|
| Show info | Displays the current settings or operation guide on the monitor when taking or viewing pictures. |  |
| Auto info (default) | Displays the current settings or operation guide on the monitor for just five seconds. | |
| Hide info | The operation guide or current settings are not displayed on the monitor. | |
| Framing grid | In mode, a framing grid is displayed to help frame pictures; other current settings or operation guide is displayed for five seconds as in [Auto info] above. |  |

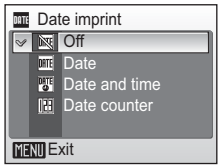


**Photo Info**

See "The Monitor" (6) for information on indicators in the monitor.

## Date Imprint

Date and time of recording can be imprinted on pictures for printing this information from printers that are not DPOF-compatible (117).




**Date**

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

**Date and time**

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

**Date counter**

Time stamp shows number of days between date of recording and selected date (see following page).

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

### Date Imprint

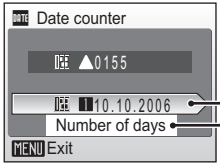
- Imprinted dates form a permanent part of image data and cannot be deleted. Dates imprinted at an image-mode setting of [TV screen(640)] may be difficult to read. Choose [PC screen(1024)] or larger when using date imprint.
- The date is recorded using the format selected in the setup menu's [Date] item (16, 97).

### Date imprint and print set

When using DPOF-compatible devices, shooting date or photo information will be printed if [Date] or [Info] is selected in the print set menu (75). See "Differences Between Print Set and Date Imprint" (75) for more information on the difference between [Date imprint] and [Print set].

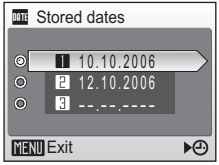
## Date Counter

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



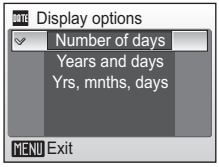

### Stored dates

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




### Display options

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

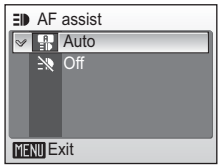



Sample date counter time stamps are shown below.

Two days remaining

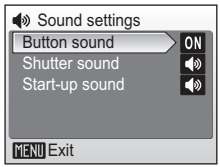
Two days elapsed

## AF Assist




If [Auto] is selected, AF-assist illumination will be used to assist the focus operation when the subject is poorly lit. To disable this function, choose [Off]. Note that for some modes, AF-assist illumination turns off automatically (33-37, 39-42). When set to [Off], the camera may be unable to focus if lighting is poor.

## Sound Settings




Adjust the following sound settings.

**Button sound (default: On)**

When [ON] is selected, beep will sound once when operations are completed successfully, three times when error is detected.

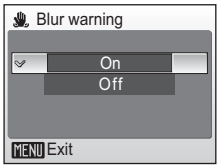
**Shutter sound (default: Normal)**

Choose volume of shutter sound from [Loud], [Normal], and [Off].

**Start-up sound (default: Normal)**

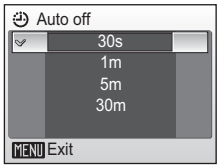
Choose volume of sound that plays when camera is turned on to [Loud], [Normal], or [Off].

## Blur Warning




Choose whether or not to display the blur warning. Note that the warning may not always be displayed (📖 120). At default setting, blur warning is [On].

## Auto Off




Choose the time allowed to elapse before the camera enters standby mode to save power (📖 15). The time options are 30 seconds (default setting), one minute, five minutes, and 30 minutes.

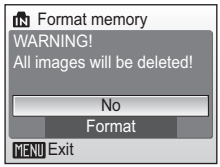
- If no operations are performed for fifteen seconds when the auto off option is set to [30s], the monitor turns off and the power on lamp blinks. If no operations are performed for another fifteen seconds, the camera enters standby mode.



### Auto Off

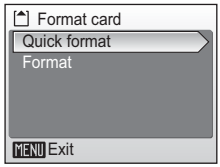
Regardless of the option selected, the monitor will remain on for a minimum of three minutes when menus are displayed, and for thirty minutes during a slide show.

## Format Memory/Format Card




If no memory card is inserted, this option is labeled [Format memory] and formats internal memory. Remove the memory card from the camera to format the internal memory. If a memory card is inserted, the option is labeled [Format card] and formats the memory card.

**When a memory card is inserted, two format options are available:**




Quick format

Formats only portions of the memory card containing data.

Format

Formats the entire memory card including portions with no recorded data. Format takes longer than Quick format.

### Formatting Internal Memory and Memory Cards

- Formatting the internal memory or memory cards permanently deletes all data. Be sure to transfer important pictures to a computer before formatting.
- The first time you insert the memory cards used in other devices into the COOLPIX S9, format them with [Format]. Repeated recording and deleting of pictures without regular formatting reduces memory card performance. Regular formatting of memory cards is recommended to maintain maximum performance.
- Do not turn the camera off or remove the battery or memory card during formatting.
- [Format] is not available when the battery is low.

## Language

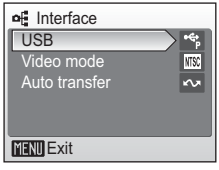
Choose one of 20 languages for display of camera menus and messages.

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

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

## Interface

Adjust settings for connection to a computer or video device.




**USB**

Select [Mass storage] or [PTP] for connection to computer (65) or printer (69).

**Video mode**

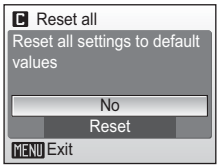
Choose from [NTSC] and [PAL] (63).

**Auto transfer (default)**

Choose [On] to mark all new pictures for transfer to computer (67).

## Reset All

This option restores the following settings to their default values:




**Pop-up menu**

| | |
|---|---|
| Flash mode (28) | Auto |
| Self-timer (30) | Off |
| Macro close-up (31) | Off |

**One-touch portrait menu**

| | |
|---|---|
| Image mode (45) | Normal(2816) |

**Setup menu**

| | |
|---|---|
| Menus (95) | Text |
| Welcome screen (96) | Disable welcome |
| Photo info (100) | Auto info |
| Brightness (100) | 3 |
| Date imprint (101) | Off |
| AF assist (103) | Auto |
| Button sound (103) | On |
| Shutter sound (103) | Normal |
| Start-up sound (103) | Normal |
| Blur warning (104) | On |
| Auto off (104) | 30s |
| Auto transfer (106) | On |

**Scene mode**

| | |
|---|---|
| Scene mode (32) | Portrait |
| Portrait assist (34) | |
| Landscape assist (35) | |
| Sports assist (36) | |
| Night portrait assist (37) | |
| Image mode (45) | Normal(2816) |

**Shooting menu**

| | | |
|---|---|---|
| Image mode (77) | | Normal(2816) |
| White balance (79) | | Auto |
| Exposure compensation (81) | | 0 |
| Continuous (82) | | Single |
| | Interval timer | 30 s |
| BSS (84) | | Off |
| | Exposure BSS | Highlight BSS |
| Sensitivity | | Auto |
| Color options (86) | | Standard color |

**Movie menu**

| | | |
|---|---|---|
| Movie options (54) | | Small size 320 |
| | Set interval time | 10 s |
| | Playback speed | 5 fps |
| Auto-focus mode (57) | | Single AF |

**Others**

| | |
|---|---|
| Paper size (73) | Default |

- Choosing [Reset all] also clears the current file number (110) from the memory. Numbering will continue from the lowest number available. To reset file numbering to "0001," delete all pictures (91) before selecting [Reset all].
- Settings for [Date] (97), [Date counter] (102), [Language] (106), [USB] (106), and [Video mode] (106) will remain unaffected even if [Reset all] is performed.

## Ver. Firmware Version

View the current camera firmware version.

# Optional Accessories

At the time of writing, the following optional accessories were available for the COOLPIX S9. Contact your local retailer or Nikon representative for details.

| | |
|---|---|
| Rechargeable battery | Nikon EN-EL8 rechargeable lithium-ion battery |
| Battery charger | MH-62 battery charger |

## Approved Memory Cards

The following memory cards have been tested and approved for use in the COOLPIX S9:

| | |
|---|---|
| SanDisk | 64 MB, 128 MB, 256 MB, 512 MB, 1 GB/256 MB*, 512 MB*, 1 GB* |
| Toshiba | 64 MB, 128 MB, 256 MB, 512 MB, 1 GB/128 MB*, 256 MB*, 512 MB* |
| Panasonic | 64 MB, 128 MB, 256 MB, 512 MB, 1 GB/256 MB*, 512 MB*, 1 GB* |

* Cards rated for 10 MB/s (high speed)

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

## Image File and Folder Names

Pictures, movies, time-lapse movies, voice recordings, and voice memos are assigned file names with three parts: a four letter identifier, a four-digit file number assigned automatically by the camera in ascending order, and a three-letter extension (e.g., "DSCN0001.JPG").

| Originals | Identifier | Extension |
|---|---|---|
| Still picture | DSCN | .JPG |
| Movie | DSCN | .MOV |
| Time-lapse movie | INTN | .MOV |
| Stop-motion movie | INTN | .MOV |
| Voice recording | DSCN | .WAV |
| Voice memo | DSCN | .WAV |

| Copies | Identifier | Extension |
|---|---|---|
| Cropped copy | RSCN | .JPG |
| Small copy | SSCN | .JPG |
| D-Lighting copy | FSCN | .JPG |
| Voice memo | Same as picture | .WAV |

- Pictures and sound files are stored in folders named with a three-digit folder number followed by a five-character identifier: "P_" plus a three-digit sequence number for pictures taken using panorama assist (e.g., "101P_001"; 42), "INTVL" for interval timer photography (e.g., "101INTVL"; 83), "SOUND" for voice recordings (e.g., "101SOUND"; 59), and "NIKON" for all other pictures (e.g., "100NIKON").
- Folders can hold up to 200 pictures; if a picture is taken when the current folder contains 200 pictures, a new folder will be created by adding one to the current folder number. If a picture is taken when the current folder is numbered 999 and contains 200 pictures or a picture numbered 9999, no further pictures can be taken until the medium is formatted (105) or a new memory card inserted.
- 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 (93).

# Caring for the Camera

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

### ☑ Keep dry

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

### ☑ Do not drop

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

### ☑ Handle the lens and all moving parts with care

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

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

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

### ☑ Keep away from strong magnetic fields

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

### ☑ Avoid sudden changes in temperature

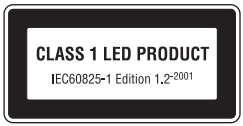
Sudden changes in temperature, such as occur when entering or leaving a heated building on a cold day, can cause condensation to form inside the device. To prevent condensation, place the device in a carrying case or a plastic bag before exposing it to sudden changes in temperature.

### ☑ Turn the product off before removing or disconnecting the power source

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

## The AF-Assist Illuminator LED

The light-emitting diode (LED; 4, 29) used in the AF-assist illuminator conforms to the following IEC standard:




## The Battery

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

## Cleaning

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

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

## Storage

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

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

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

### Notes on the Monitor

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

# Error Messages

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

| Display | Problem | Solution | |
|---|---|---|---|
| (blinks) | Clock not set. | Set clock. | 97 |
| | Battery running low. | Prepare to charge or change battery. | 14 |
| Warning!!<br>battery exhausted | Battery exhausted. | Charge or change battery. | 14 |
| AF● (● blinks red) | Camera cannot focus. | Recompose picture. | 24 |
| (blinks) | Slow shutter speed. Pictures may be blurred. | Use flash, or steady camera using tripod, by placing camera on level surface, or by holding camera in both hands with elbows against torso. | 22, 28 |
| Warning!!<br>please wait for the camera to finish recording | Camera cannot perform other operations until recording is complete. | Message clears from display automatically when recording is complete. | – |
| Memory card is write protected. | Write-protect switch is in "lock" position. | Slide write-protect to "write" position. | 19 |
| This card cannot be used | Error accessing memory card. | • Use approved card.<br>• Check that connectors are clean.<br>• Confirm that memory card is correctly inserted. | 109<br>–<br>18 |
| Warning!!<br>this card cannot be read | | | |
| Card is not formatted<br>Format<br>No | Memory card has not been formatted for use in camera. | Choose [Format] and press OK to format card, or turn camera off and replace card. | 18, 105 |

| Display | Problem | Solution | |
|---|---|---|---|
| Out of memory<br>or | Memory card is full. | • Choose smaller image size.<br>• Delete pictures.<br>• Insert new memory card.<br>• Remove memory card and use internal memory. | 77<br>91<br>18<br>18 |
| Image cannot be saved<br>or | Error occurred while recording picture. | Format internal memory or memory card. | 105 |
| | Camera has run out of file numbers. | • Insert new memory card.<br>• Format internal memory or memory card. | 18<br>105 |
| | Cannot create cropped, D-Lighting, or small copy. | Select picture that supports crop D-Lighting or small picture. | 48 |
| | Picture cannot be used for welcome screen. | Choose picture 640 × 480 pixels or larger. | – |
| | Cannot copy picture. | Delete pictures from destination. | 91 |
| Image has already been modified. D-Lighting cannot be used. | Image cannot be enhanced using D-Lighting. | Copies from D-Lighting, crop, or small picture option cannot be adjusted using D-Lighting. | 48 |
| Sound file cannot be saved<br>or | Camera has run out of file numbers. | Select [Reset all] after either inserting new memory card or formatting internal memory or memory card. | 105, 107 |
| Cannot record movie. | Time out error while recording movie. | Choose memory card with faster write speed. | 109 |
| Memory contains no images | No pictures available for playback. | – | – |
| No sound file. | No sound file available for playback. | | – |

| Display | Problem | Solution | |
|---|---|---|---|
| File contains no image data | File not created with COOLPIX S9. | View file on computer or other device. | – |
| This file cannot be played back. | | | |
| This image cannot be deleted | Picture is protected. | Remove protection. | 91 |
| New city is in the current time zone | Destination in same time zone as home. | No need to change time zones if destination is in same time zone as home. | 97 |
| Initializing lens cannot focus | Camera cannot focus. | Wait until message has cleared from display and camera has zoomed all the way out. | – |
| Lens error | Lens error. | Turn camera off and then on again. If error persists, contact retailer or Nikon representative. | 15 |
| Lens cover error | Lens cover error. | Turn camera off and then on again, or wait until camera turns off after 30 seconds and turn on again. | 15 |
| Communications error | USB cable disconnected during transfer or printing. | If PictureProject displays error, click [OK] to exit. Resume operation after turning camera off and reconnecting cable. | 64 |
| | [USB] option incorrect. | Choose correct [USB] option. | 64 |
| | PictureProject did not start. | – | – |
| No images are marked for transfer | No pictures selected for transfer. | Select pictures for transfer in the playback menu and try again. | 92 |

| Display | Problem | Solution | |
|---|---|---|---|
| Transfer error | Transfer error. | • Check battery level.<br>• Check that USB cable is connected. | 20<br>64 |
| System error | Error has occurred in camera's internal circuitry. | Turn camera off, remove and reinsert battery, and turn camera on. If error persists, contact retailer or Nikon representative. | – |
| Printer error<br>check printer status | Running out of ink or printer error. | Check printer. Replace ink cartridge with new one. | – |

# Troubleshooting

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

| Problem | Cause/Solution | ☞ |
|---|---|---|
| Camera turns off without warning | • Battery is low.<br>• Camera has turned off automatically to save power.<br>• Battery is cold. | 20<br>15<br><br>112 |
| Monitor is blank | • Camera is off.<br>• Battery is exhausted.<br>• Standby mode for saving power. Monitor turns on when controls are used.<br>• Flash lamp blinks red: wait until flash has charged.<br>• USB cable is connected.<br>• A/V cable is connected.<br>• Time lapse or interval timer photography in progress: monitor turns off automatically between shots. | 15<br>20<br>15, 104<br>28<br><br>64, 69<br>63<br>54, 83 |
| No indicators displayed in monitor | [Hide info] is selected for [Photo info]. Select [Show info]. | 100 |
| Monitor is hard to read | • Monitor has dimmed to save power. Monitor brightens when controls are used.<br>• Adjust monitor brightness.<br>• Monitor is dirty. Clean monitor. | 15<br><br><br>100<br>113 |
| Camera clock is not correct | Check camera clock regularly against more accurate timepieces and reset as required. | 97 |
| Camera settings reset | Clock battery exhausted: recharge clock battery. Pictures recorded before clock has been set will have time stamp of "00.00.0000 00:00"; movies will be dated "01.09.2006 00:00." | 98 |
| No picture taken when shutter-release button is pressed | • Camera is in playback mode: press ▶.<br>• Menus are displayed: press MENU.<br>• Battery is exhausted.<br>• Flash lamp blinks: flash is charging. | 46<br><br>10<br>20<br>28 |

| Problem | Cause/Solution | |
|---|---|---|
| Camera cannot focus using autofocus | • Subject is low in contrast, dominated by repeating geometric patterns, covers too small an area of the frame, or contains many fine details, objects of sharply differing brightness, or objects at different distances from the camera. Use focus lock to focus on another subject at same distance.<br>• [Off] is selected for AF assist option in camera setup menu.<br>• Focus error. Turn camera off and then on again. | 24<br><br><br><br><br>103<br><br>15 |
| Pictures are blurred | • Use flash.<br>• Use BSS.<br>• Use tripod and self-timer. | 28<br>84<br>5, 30 |
| Pictures are too dark (underexposed) | • Flash is off.<br>• Flash window is blocked.<br>• Subject is beyond flash range.<br>• Adjust exposure compensation.<br>• Subject is backlit. Select ([Back light] scene mode) or use fill flash. | 28<br>22<br>28<br>81<br>28, 42 |
| Pictures are too bright (overexposed) | Adjust exposure compensation. | 81 |
| Randomly spaced bright pixels ("noise") appear in image | Shutter speed too slow. Noise can be reduced by:<br>• Using flash<br>• Set sensitivity to values other than [Auto].<br>• Choosing , , or scene mode | <br><br><br>28<br>85<br><br>32 |
| Pictures appear smeared | Lens is dirty. Clean lens. | 113 |
| Colors are unnatural | White balance does not match light source. | 79 |
| Flash does not fire | Flash is off. Note that flash turns off automatically in mode and some scene modes, or when option other than [Single] is selected for [Continuous], or [BSS] is on. | 28<br>33, 38<br>53<br>82, 84 |

| Problem | Cause/Solution | |
|---|---|---|
| AF-assist illuminator does not light | • [Off] is selected for AF assist option in camera setup menu.<br>• AF-assist illuminator turns off automatically in some modes. | 103<br>34-37<br>39-42 |
| Bright specks appear in pictures taken with flash | Flash is reflecting off particles in air. Turn flash off. | 28 |
| Blur warning is not displayed | • [Off] is selected for [Blur warning] in camera setup menu.<br>• Blur warning is not displayed in self-timer, , , , , or mode, when option other than [Single] is selected for [Continuous], or BSS is on. | 104<br>30, 34, 82, 84 |
| No sound when shutter is released | • [Off] is selected for [Sound settings] > [Shutter sound] in setup menu.<br>• BSS is on, option other than [Single] is selected for [Continuous], or or mode is selected. | 103 |
| Optical zoom cannot be used | Optical zoom cannot be used while recording movies. | 53 |
| Digital zoom cannot be used | Digital zoom is not available in assist modes or when option other than [Single] is selected for [Continuous]. | 32, 82 |
| Unexpected results when flash set to (auto with red-eye reduction) | In-Camera Red-Eye Fix may, in very rare cases, be applied to areas not affected by red-eye. Set flash to (auto) or (fill-flash) and try again. Note that red-eye reduction is the default setting for one-touch portrait, , and modes. | 28, 34, 37, 44 |
| [Image mode] not available | [Image mode] cannot be adjusted when [Multi-shot 16] is selected for [Continuous] or [Sport composite] is selected in sports assist mode. | 36, 82 |
| [Date imprint] not available | Camera clock has not been set. | 97 |
| Date not appearing on pictures | Date does not appear on movies or on pictures taken using , , ([Sport composite] excepted), [Continuous], or BSS. | 42, 58 |

| Problem | Cause/Solution | |
|---|---|---|
| File cannot be played back | • Time lapse or interval timer photography in progress: pictures cannot be played back until recording is complete.<br>• File has been overwritten or renamed by computer or other make of camera. | 55, 83<br>– |
| Cannot zoom in on picture | Playback zoom cannot be used with movies, small pictures, or pictures that have been cropped to below 320 × 240. | – |
| Cannot record voice memo | Voice memos cannot be appended to movies. | – |
| Cannot use crop, D-Lighting, or small picture options | These options cannot be used with movies and may not be available with pictures created with other cameras. Select picture that supports crop, D-Lighting, or small picture. | 58, 48 |
| Cannot mark pictures for transfer | No more than 999 pictures can be marked for transfer. Use PictureProject Transfer button to transfer pictures. | 67 |
| Transfer marking does not appear | Pictures were marked for transfer using another model of camera. Mark pictures for transfer using COOLPIX S9. | – |
| PictureProject does not start when camera is connected | • Camera is off.<br>• Battery is exhausted.<br>• USB cable is not correctly connected.<br>• Appropriate [USB] option is not selected.<br>• Camera is not registered in Device Manager (Windows only). See the *PictureProject Reference Manual* (on CD) for further information.<br>• Computer is not set to launch PictureProject automatically. | 15<br>20<br>64<br>65<br>–<br>– |
| Pictures not displayed on television | • Choose correct video mode.<br>• USB cable is connected: disconnect USB cable. | 63 |
| [Format memory] > [Format] option not available | Battery is low. | 20, 105 |

## Electronically Controlled Cameras

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

# Specifications

Nikon COOLPIX S9 Digital Camera

| | |
|---|---|
| Type | Compact digital camera |
| Effective pixels | 6.1 million |
| CCD | 1/2.5-in. CCD; total pixels: 6.36 million |
| Image size (pixels) | • 2,816 × 2,112 [High(2816★)/Normal(2816)]<br>• 2,048 × 1,536 [Normal(2048)]<br>• 1,024 × 768 [PC screen(1024)]<br>• 640 × 480 [TV screen(640)] |
| Lens | 3× Zoom-Nikkor lens |
| Focal length | F=6.4–19.2 mm (35-mm [135] camera-format equivalent: 38–114mm) |
| f/-number | f/3.5–4.3 (W), f/4.41–7.15 (T) |
| Construction | 13 elements in 10 groups |
| Digital zoom | Up to 4× (35-mm [135] camera-format equivalent: 456 mm) |
| Autofocus (AF) | Contrast-detect AF with AF-assist illumination |
| Focus range (from lens) | 25 cm (0.8 ft.)–∞ (W), 45 cm–∞ (T)<br>Macro close-up mode: 4 cm (1.6 in.)–∞ (wide zoom position) |
| Focus-area selection | Center |
| AF-assist illumination | Class 1 LED product (IEC 60825-1 Edition $1.2^{-2001}$); max. output: 1,500 µW |
| Monitor | 2.5 in., 153,600-dot, TFT LCD with 5-level brightness adjustment |
| Frame coverage | Shooting mode: Approximately 97% horizontal and 97% vertical<br>Playback mode: Approximately 100% horizontal and 100% vertical |
| Storage | |
| Media | Internal memory (24 MB); Secure Digital (SD) memory cards |
| File system | DCF, Exif 2.2, and DPOF compliant |
| File formats | Compressed: JPEG-baseline-compliant<br>Movies: QuickTime<br>Audio files: WAV |

| | |
|---|---|
| Exposure | |
| Metering | Center-weighted |
| Exposure control | Programmed auto exposure with exposure compensation (–2.0 to +2.0 EV in steps of 1/3 EV) |
| Range | W: +2.7 to +16.7 EV, T: +2.3 to +17.3 EV |
| Shutter | Mechanical and charge-coupled electronic shutter |
| Speed | 2–1/2,000 s |
| Aperture | Electronically controlled ND filter selection |
| Range | 2 steps (f/3.5 and f/5.7 [W]) |
| ISO sensitivity | 64, 100, 200, 400, Auto (auto gain to ISO 64–400 equivalent) |
| Self-timer | 10 seconds duration |
| Built-in flash | |
| Range | W: 0.25–3.2 m/10 in.–7 ft. 6 in.<br>T: 0.45–2.6 m/1 ft. 5 in.–6 ft. 2 in. |
| Flash control | Sensor flash system |
| I/O terminals | Audio/video (A/V) out, digital I/O (USB) |
| Interface | USB |
| Video output | Can be selected from NTSC and PAL |
| Supported languages | Czech, Danish, German, English, Spanish, French, Indonesian, Italian, Dutch, Norwegian, Polish, Portuguese, Russian, Finnish, Swedish, Chinese (Simplified and Traditional), Japanese, Korean, Thai |
| Power sources | One EN-EL8 rechargeable lithium-ion battery (supplied) |
| Battery life | Approximately 190 shots (EN-EL8)* |
| Dimensions (W × H × D) | 90.5 × 58 × 20.5 mm/3.6 × 2.3 × 0.8 in. (excluding projections) |
| Weight | 115 g (4 oz) without battery or memory card |
| Operating environment | |
| Temperature | 0 to +40 °C (+32 to 104 °F) |
| Humidity | Less than 85% (no condensation) |

* Based on Camera and Imaging Products Association (CIPA) standards for measuring the life of camera batteries. Measured at 25 °C (77 °F); zoom adjusted with each shot, flash fired with every other shot, image mode set to Normal.

* Battery life may vary depending on shooting interval and length of time menus and images being displayed.

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

| MH-62 Battery Charger | |
|---|---|
| Rated input | AC 100–240 V, 0.09–0.051 A, 50/60 Hz |
| Charging output | DC 4.2 V/730 mA |
| Compatible batteries | Nikon EN-EL8 rechargeable lithium-ion battery |
| Charging time | Approximately 2.0 hours when no charge remains |
| Operating temperature | 0 to +40 °C (+32 to 104 °F) |
| Dimensions | Approximately 86 × 19.5 × 59.2 mm/3.4 in. × 0.7 in. × 2.3 in. |
| Length of cord | Approximately 2 m (78.7 in.) |
| Weight | Approximately 60 g (2.1 oz), excluding power cable |

| EN-EL8 Rechargeable Lithium-ion Battery | |
|---|---|
| Type | Rechargeable lithium-ion battery |
| Rated capacity | 3.7 V/730 mAh |
| Dimensions (W × H × D) | Approximately 35 × 47 × 5 mm/1.4 in. × 1.9 in. × 0.2 in. (excluding projections) |
| Weight | Approximately 17 g (0.6 oz) excluding terminal cover |

## Supported Standards

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



**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.

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