Nikon

En

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

COOLPIX
P1
P2

DIGITAL CAMERA

CE ①

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Thank you for your purchase of a Nikon COOLPIX P1/P2 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 handy when using the product.

Before You Begin

First Steps

Basic Photography

More on Photography

More on Playback

Picture Editing

Symbols Used in this Manual

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

Movies

⚡	This icon marks cautions, information that should be read before use to prevent damage to your camera.
✐	This icon marks notes, information that should be read before using your camera.
◎	This icon marks tips, additional information that may be helpful when using your camera.
👁	This icon indicates that more information is available elsewhere in this manual or in the *Quick Start Guide*.

The Shooting Menu

The Playback Menu

The Set-up Menu

Product Names Used in this Manual

In this manual, the COOLPIX P1 and COOLPIX P2 are sometimes referred to as P1 and P2, respectively.

Wireless Transfer Mode

Illustrations and on-screen text in this manual may differ from the actual display.

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 product to prevent possible injury.

WARNINGS

⚠ **Turn off immediately in the event of malfunction**
Should you notice smoke or an unusual smell coming from the camera, battery charger, or AC adapter (available separately), unplug the battery charger or AC adapter and remove the battery immediately, taking care to avoid burns. Continued operation could result in injury. After removing or disconnecting the power source, take the equipment to a Nikon-authorized service representative for inspection.

⚠ **Do not use 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.

⚠ **Do not place strap around the neck of an infant or child**
Placing the camera strap around the neck of an infant or child could result in strangulation.

⚠ **Keep out of reach of children**
Particular care should be taken to prevent infants from putting the batteries or other small parts into their mouths.

⚠ **Do not disassemble**
Touching the internal parts of the camera or battery charger could result in injury. Repairs should be performed only by qualified technicians. Should the camera or battery charger 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.

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

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

⚠ **Observe proper precautions when handling batteries**

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

• Before replacing the battery, turn the product off and make sure the power-on lamp has gone out. If you are using an AC adapter, be sure it is unplugged.
• Before replacing the battery, turn the product off. If you are using an AC adapter, be sure it is unplugged.
• Use only rechargeable Nikon EN-EL8 lithium-ion batteries (supplied).
• When inserting the battery, do not attempt to insert it upside down or backwards.
• Do not short or disassemble batteries.
• Do not expose batteries 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.
• Batteries are prone to leakage when fully discharged. To avoid damage to the product, be sure to remove the battery when no charge remains.
• Immediately after use, or when the product is used on battery power for an extended period, the battery may become hot. Before removing the battery, turn the camera off and allow the battery to cool.
• Discontinue use immediately should you notice any change in the battery, such as discoloration or deformation.

⚠ **Use appropriate cables, batteries, battery chargers, and AC adapters**

Use only the cables, batteries, battery chargers, and AC adapters provided or sold by Nikon for the purpose, to maintain compliance with product regulations.

⚠ **Removing memory cards**

Memory cards may become hot during use. Observe due caution when removing memory cards from the camera.

⚠ **Handle moving parts with care**

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

⚠ **CD-ROMs**

The CD-ROMs on which the software and manuals are distributed 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 operating 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 fire the unit while the flash head is touching a person or object**

Such use can result in the person being burned, and/or their clothes igniting from the heat of the flash's firing.

⚠ **Avoid contact with liquid crystal**

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

⚠ **Keep dry**

Do not immerse in or exposure to water. Continuing to use the product under such circumstances may cause fire or an electric shock.

⚠ **Follow the instructions of hospital and airline personnel**

This device emits radio frequency radiation that could interfere with medical or navigational equipment. Do not use this device in a hospital or on board an airplane without first obtaining the permission of hospital or airline staff.

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Notices

- No part of the manuals included with this product may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form, by any means, without Nikon's prior written permission.
- Nikon reserves the right to change the specifications of the hardware and software described in these manuals at any time and without prior notice.

- Nikon will not be held liable for any damages resulting from the use of this product.
- While every effort has been made to ensure that the information in these manuals is accurate and complete, we would appreciate it were you to bring any errors or omissions to the attention of the Nikon representative in your area (address provided separately).

Notice for customers in the U.S.A.

Federal Communications Commission (FCC)

Declaration of Conformity
This device complies with Part 15 of the FCC rules. Operation of the device is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Products that contain a radio transmitter are labeled with FCC ID and may also carry the FCC logo.

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.

FCC Radiation Exposure Statement
The available scientific evidence does not show that any health problems are associated with using low power wireless devices. There is no proof, however, that these low power wireless devices are absolutely safe. Low power Wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research. The NIKON COOLPIX P1/P2 has been tested and found to comply with the Federal Communications Commission (FCC) guidelines on radio frequency energy (RF) exposures. The maximum SAR levels tested for the NIKON COOLPIX P1/P2 has been shown to be 0.208 W/kg at Body.
This device should not be co-located or operated with any other antenna or transmitter.

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, U.S.A.
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 numéique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

RSS-210 14. Exposure of Humans to RF Fields

The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's website

www.hc-sc.gc.ca/rpb

Notice for customers in Europe

Hereby, Nikon, declares that this digital camera is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Symbol for separate collection applicable 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.

Disposing of Data Storage Devices

Please note that deleting date, such as images and profile information, or formatting data storage devices, such as memory card or built-in camera memory, does not completely erase the original data. Deleted date can sometimes be recovered from discarded storage devices using commercially available software, potentially resulting in the malicious use of personal 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. Care should be taken to avoid injury or damage to property when physically destroying data storage devices.

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

- **Items prohibited by law from being copied or reproduced**
  Do not copy or reproduce paper money, coins, securities, government bonds, or local government bonds, even if such copies or reproductions are stamped "Sample".

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

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

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

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

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

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Before You Begin

Introduction

✅ Use Only Nikon Brand Electronic Accessories

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

THE USE OF NON-NIKON ELECTRONIC ACCESSORIES COULD DAMAGE THE CAMERA AND MAY VOID YOUR NIKON WARRANTY. The use of third-party rechargeable Li-ion batteries not bearing the Nikon holographic seal* could interfere with normal operation of the camera or result in the batteries overheating, igniting, rupturing, or leaking.
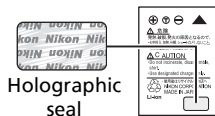
Holographic seal

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

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

🖉 Before Taking Important Pictures

Before taking pictures on important occasions (such as at weddings or before taking the camera with you 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.

🖉 Internal Memory and SD Memory Card

This camera uses both internal memory and an SD memory card for storing pictures. If you insert a memory card into the camera, pictures will automatically be stored on the card instead of in the internal memory. To store, view or delete pictures in the internal memory or to format the internal memory, remove the memory card first.

🔍 Life-Long Learning

As part of Nikon's "Life-Long Learning" commitment to ongoing product support and education, continually-updated information is available on-line at the following sites:
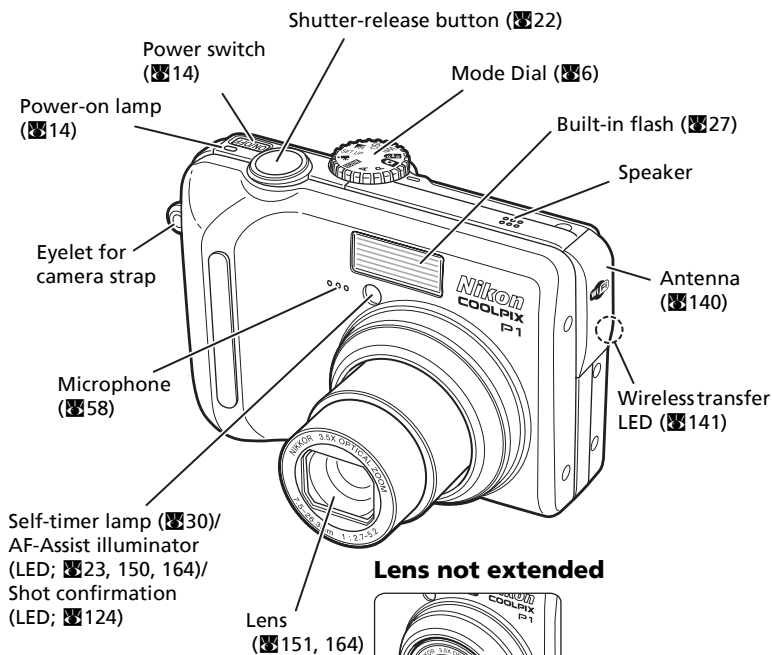
- For users in the U.S.A.: *http://www.nikonusa.com/*
- For users in Europe and Africa: *http://www.europe-nikon.com/support/*
- For users in Asia, Oceania and the Middle East: *http://www.nikon-asia.com/*

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:
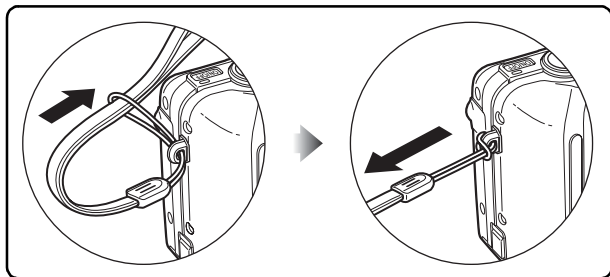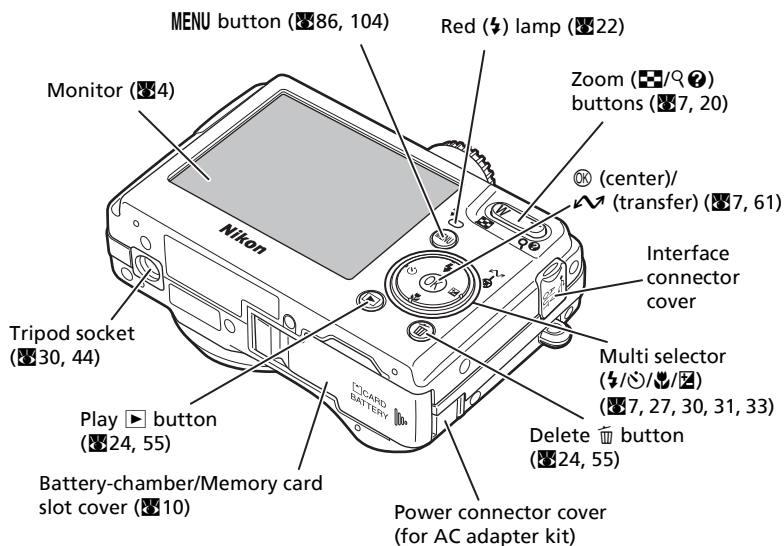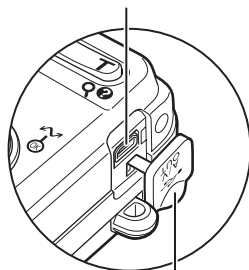
http://nikonimaging.com/

1

Parts of the Camera

Shutter-release button (🖐22)

Power switch (🖐14)

Mode Dial (🖐6)

Power-on lamp (🖐14)

Built-in flash (🖐27)

Speaker

Eyelet for camera strap

Antenna (🖐140)

Microphone (🖐58)

Wireless transfer LED (🖐141)

Self-timer lamp (🖐30)/
AF-Assist illuminator
(LED; 🖐23, 150, 164)/
Shot confirmation
(LED; 🖐124)

Lens (🖐151, 164)

Lens not extended

Lens cover

Attaching the Camera strap

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MENU button (🐾86, 104)   Red (⚡) lamp (🐾22)

Monitor (🐾4)

Zoom (🔲/🔍❷)
buttons (🐾7, 20)

⑧ (center)/
〜 (transfer) (🐾7, 61)

Interface
connector
cover

Tripod socket
(🐾30, 44)

Multi selector
(⚡/🕐/🌷/⭐)
(🐾7, 27, 30, 31, 33)

Play ▶ button
(🐾24, 55)

Delete 🗑 button
(🐾24, 55)

Battery-chamber/Memory card
slot cover (🐾10)

Power connector cover
(for AC adapter kit)

Before You Begin

USB (🐾62)/
Audio/Video (A/V) out
(🐾60) connector

Battery-chamber/
Memory card slot
cover (🐾10)

Interface connector cover

Battery latch (🐾10)

3
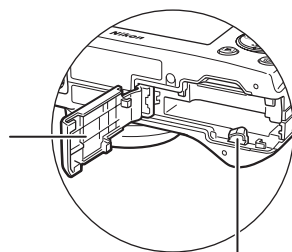
The Monitor

Shooting
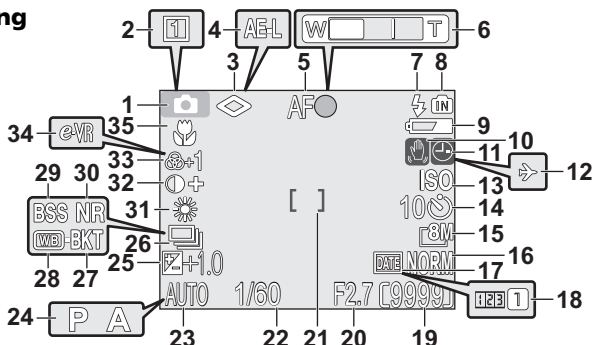
Icons displayed vary with camera settings.

1 Shooting mode 18, 34, 81		**24** Exposure mode 45	
2 User setting[1] 103		**25** Exposure compensation 33	
3 Image sharpening 95		**26** Continuous shooting mode . . . 89	
4 AE-L indicator[2] 43		**27** Bracketing[10] 93	
5 Focus indicator[3] 22		**28** White balance bracketing[11] . . . 93	
6 Zoom indicator[4] 20		**29** Best Shot Selector (BSS) 92	
7 Flash mode 27		**30** Noise reduction 101	
8 Internal memory/Memory card indicator 18		**31** White balance 52	
9 Battery level indicator[5] 14		**32** Image adjustment 94	
10 Camera shake icon[6] . . . 28, 153		**33** Saturation control 96	
11 "Date not set" icon[7] 16		**34** Electronic VR 84	
12 Time zone indicator[8] 118		**35** Focus mode 31	
13 ISO sensitivity 50			
14 Self-timer indicator 30			
15 Image size 18, 47			
16 Image quality 18, 47			
17 Date imprint indicator 122			
18 Date counter/ Stored date number 123			
19 Number of exposures remaining/ Length of movie 18, 80			
20 Aperture 46			
21 Focus area[9] 22, 97			
22 Shutter speed 45			
23 Auto shooting mode 18			

1) Appears when mode dial is rotated to **P** or **A**.
2) Appears when taking a picture in Panorama assist mode.
3) Appears when the shutter-release button is pressed halfway.
4) Appears when the zoom buttons are pressed.
5) Appears when the battery is running low.
6) Blinks at slow shutter speeds to warn that pictures may be blurred.
7) Blinks when the camera clock has not been set.
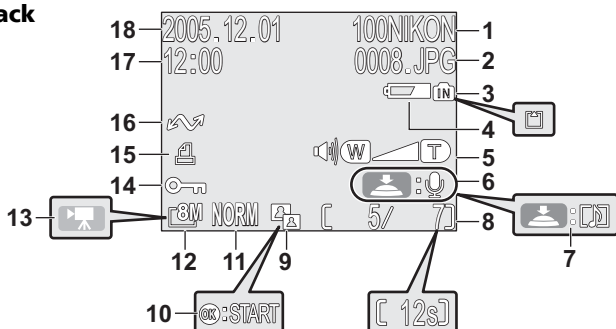8) Appears when the new city time zone has been set.
9) Displays the focus area when the shutter-release button is pressed halfway.
10) Appears when **Auto bracketing** has been set to **BKT Auto bracketing**.
11) Appears when **WB** (white balance) **bracketing** has been set.

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Playback

Icons displayed vary with camera settings.

1 Current folder 25		**9** D-Lighting icon 78
2 File number and type 25		**10** Movie playback icon 85
3 Internal memory/Memory card		**11** Image quality. 18
indicator 18		**12** Image size 18
4 Battery level indicator[1] 14		**13** Movie indicator 80
5 Volume indicator. 85		**14** Protect icon 111
6 Voice memo recording guide . . 58		**15** Print-order icon 66
7 Voice memo playback guide . . 58		**16** Transfer icon 112
8 Current frame number/Total		**17** Time of recording 16
number of frames/Length of		**18** Date of recording. 16
movie 24, 85		

1) Appears when the battery is running low.

Display in the Monitor

Use **Photo info** in **Monitor settings** of the Set-up menu to display or hide information for shooting or playback (🔲120).
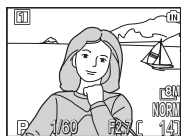
Monitor shows current settings and view through lens

Monitor shows view through lens only
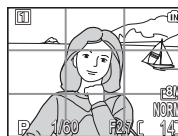
Framing grid

If the battery level indicator appears, the monitor will turn off temporarily while the flash is charging (🔲14, 23).

5
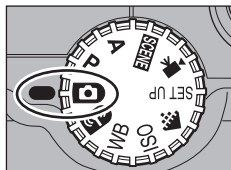
The Mode Dial

To select a mode, align the mode icon with the "●" mark next to the mode dial.

P A (🖪45)

Choose these modes for varying degrees of control over shutter speed and aperture.

SCENE Scene (🖪34)

Choose from 16 "scenes" suited to different subjects or shooting conditions and let the camera do the rest.

**🎥 Movie (🖪80)**

Choose from seven movie modes.

🄰 Auto (🖪18)

A simple "point-and-shoot" mode recommended for first time users of digital cameras.

SET UP Setup (🖪115)

Display the Set-up menu, where you can perform such tasks as setting the camera clock and adjusting monitor brightness.

📶 Wireless Transfer mode (🖪132)

Connect the camera to a wireless LAN and transfer pictures to a computer or print images from a printer.

🎚 Image quality/Image size (🖪47)

ISO ISO sensitivity (🖪50)

WB White balance (🖪52)

Display menus of each option.
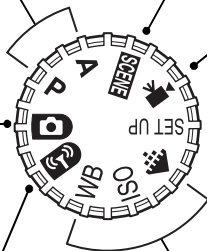
Navigating the Menus

Use the multi selector to perform operations such as selecting or canceling menu items that appear in the monitor.

Press the ⓦ button after selecting an item to perform that operation.

(Move cursor up.)

Press ⓦ to make selection or display sub-menu.

Return to previous menu or move cursor left.

Display sub-menu or move cursor right.

(Move cursor down.)
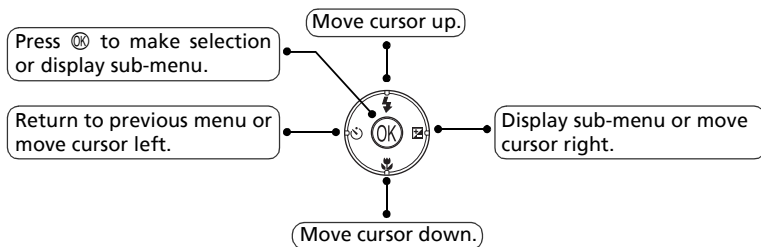
Use the multi selector to perform operations such as moving the area in which a picture is displayed or selecting a picture.

Displaying the Help

The COOLPIX P1/P2 displays explanations about modes and menus of the camera in the monitor.

Pressing ❷ (Help) button when displaying a menu displays the help for the selected scene or item.

Pressing ⓦ while displaying the help performs the function.

SCENE\ PORTRAIT
Use for portrait pictures, create soft skin tone effects.

Exit | Confirm | Back
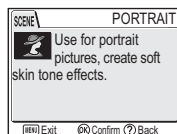
Charging the Battery

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 Connect the power cable
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).
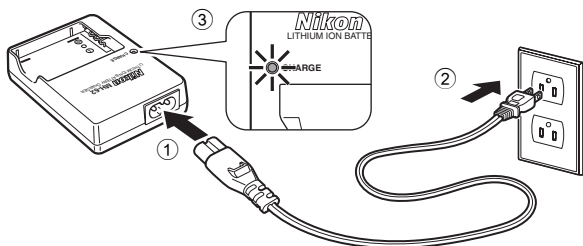
2 Charge the battery
Remove the terminal cover from EN-EL8 and insert the battery into the MH-62.

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

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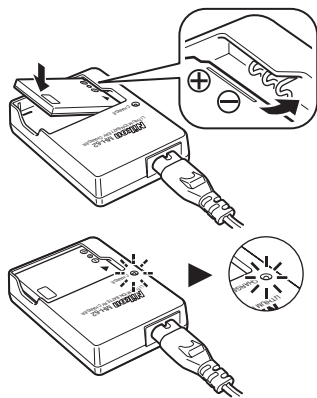
CHARGE lamp	Description
Blinks	Battery charging.
On	Battery fully charged.
Flickers	Battery error. If ambient temperature is not 0 to 40°C (32 to 104°F), wait until temperature is in this range before charging. Otherwise unplug charger and remove battery immediately and take both devices to retailer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

First Steps

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 vii 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.

EN-EL8 Batteries

Before using the EN-EL8, read and follow the warnings and notices on pages ii to vii and 152 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.

9

Inserting Batteries

Insert an EN-EL8 battery that has been fully-charged using the supplied MH-62 battery charger into your camera.
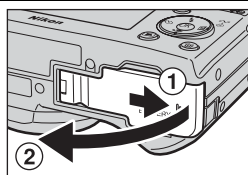
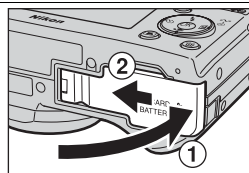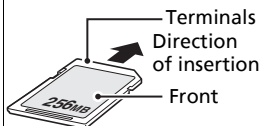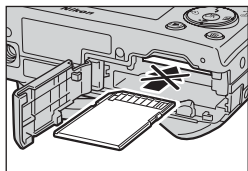## 1 Open the battery-chamber/memory card slot cover

Slide the cover in the direction shown in (①) until it stops and open the cover (②).
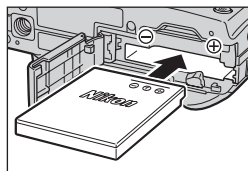
2 Insert the battery

Insert the battery as shown in the label at the entrance to the battery chamber, making sure the positive "+" and negative "−" terminals are in the correct orientation.

⚠ Inserting Batteries

Inserting the battery upside down or backwards could damage the camera. Check to be sure the battery is in the correct orientation.
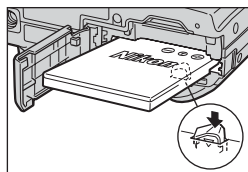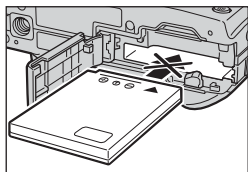
The orange battery latch is pushed aside as the battery is inserted. The latch will close when the battery is fully inserted.

Make sure that the battery latch is secured over the battery and that the battery is set.

Battery Latch

10
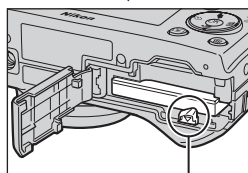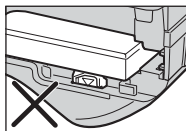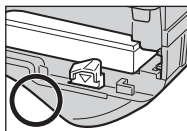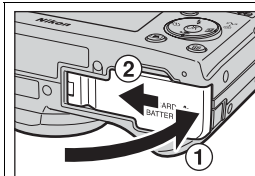
3 Close the battery-chamber/memory card slot cover

Close the cover (①) and slide it in until it latches (②).

Ensure the cover is closed firmly.

☑ Replacing Batteries

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

Slide the battery latch in the direction indicated to eject the battery, which can then be removed using your fingers.

• Note that the battery may become hot during use. Observe due caution when removing the battery.
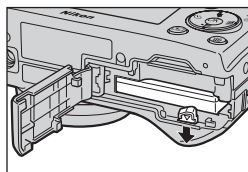
🔍 Alternative Power Sources

To power the camera continuously for extended periods, use an optional EH-62C AC adapter. *Do not, under any circumstances, use another make or model of AC adapter kit.* Failure to observe this precaution could result in overheating or in damage to the camera.

11

Inserting Memory Cards

Pictures can be stored in the camera's internal memory (about 32 MB for P1/16 MB for P2) or on a Secure Digital (SD) memory card. If no memory card has been inserted in the camera, pictures will be stored in the camera's internal memory, and if the camera contains a memory card, then pictures will automatically be stored on the card. To store pictures in the internal memory, remove the memory card.
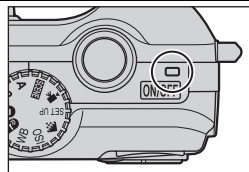
1 Confirm that the camera is off
The power-on lamp should be off.
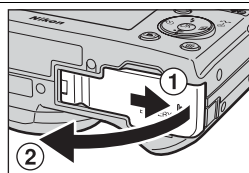
2 Open the battery-chamber/memory card slot cover
Slide the cover in the direction shown in (①) until it stops and open the cover (②).
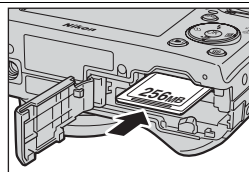
3 Insert the memory card
Insert the memory card in the direction of the arrow shown on the label at the entrance to the memory card slot until it clicks.

✓ Inserting Memory Cards

Insert the memory card terminals first. Inserting the card upside down or backwards could damage the camera or the card. Check to be sure the card is in the correct orientation.

Terminals
Direction of insertion
Front

4 Close the battery-chamber/memory card slot cover
Close the cover (①) and slide it until it latches (②). Ensure the cover is closed firmly.

🖉 The Write Protect Switch

Memory cards are equipped with a write protect switch to prevent accidental loss of data. When this switch is in the "Lock" position, pictures cannot be recorded, deleted, or edited, and the card cannot be formatted. Do not lock the card when taking, editing, or deleting pictures, when transferring images to a computer, when using Wireless transfer mode, or when formatting the memory card.

Write protect switch
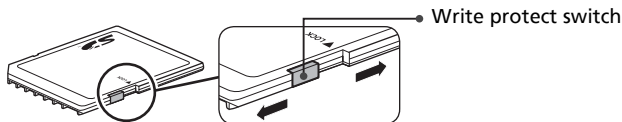
🖉 Formatting Memory Cards

When using the memory cards formatted by the device other than COOLPIX P1/P2, format them using the COOLPIX P1/P2 before first use. For information on formatting memory cards, see "🔟/🖸 Format Memory/Card" (🐼127) in the Set-up menu.

🖉 Removing Memory Cards

Memory cards can be removed without loss of data when the camera is off. To remove memory cards, turn the camera off and confirm that the power-on lamp is off. **Do not open the battery-chamber/memory card slot cover while the power-on lamp is lit.** Open the battery-chamber/memory card slot cover and press the memory card to partially eject the card. The card can then be removed by hand.

* Memory cards may become hot during use; observe due caution when removing memory cards.
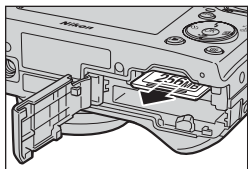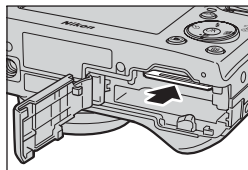
🖉 Memory Cards

* Use only Secure Digital (SD) memory cards.
* 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 in a closed vehicle or in other areas exposed to high temperatures.
* Do not expose to high levels of humidity or to corrosive gas.

13

Checking the Battery Level
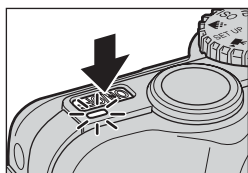
1 Turn the camera on
- Press the power switch.
- The power-on lamp lights when the camera is on.
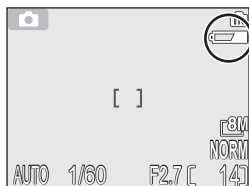
2 Check the battery level in the monitor

When the camera is turned on for the first time, a language-selection dialog will be displayed. Choose the desired language and press ⊛. See "Basic Setup" (🖼16).

Battery Level

Display	Meaning
NO ICON	Battery fully charged.
◘▬ (lights)	Low battery. If flash fires, monitor turns off while flash recharges. Wireless transfer is not available until battery is charged.
WARNING!! BATTERY EXHAUSTED	Battery exhausted. Replace with fully charged battery.

The red (⚡) lamp and power-on lamp will blink when the "WARNING!! BATTERY EXHAUSTED" warning is displayed (🖼153).

🖉 Turning the Camera Off

To turn the camera off when the power-on lamp is lit, press the power switch.
- Do not remove the battery or disconnect the optional EH-62C AC adapter kit until the power-on lamp has gone out.

14

⚡ The ▶ Button

The camera can also be turned on by pressing the ▶ button for about one second (except when the mode dial is set to 🎬). The monitor will show full-screen playback (🔲24).

⚡ The Power-On Lamp

The power-on lamp indicates the following:

When the power-on lamp is	The camera is
On	On
Blinking	In Standby mode; Auto power off, or waiting for next shot in Interval timer shooting or Time-lapse movie
Off	Off

⚡ Auto Power Off (Standby Mode)

If no operations are performed for one minute (default setting), the monitor will turn off automatically and the camera will enter Standby mode to reduce the drain on the battery. While the camera is in Standby mode, the power-on lamp will blink. If no operations are performed for three minutes after the camera enters Standby mode, the power will turn off automatically and the power-on lamp will go out. The camera will be reactivated from Standby mode when you:

- Press the power switch
- Press the shutter-release button halfway
- Press the ▶ button (when not in Wireless transfer mode, camera is in Playback mode)
- Press the MENU button to display the menu for the current mode, etc.

The length of time before the camera enters Standby mode can be changed using the **Auto off** option in the Set-up menu (🔲127).

However, the length of time is fixed in the following cases:
- When a menu is displayed: 3 minutes
- When pictures are being played back in a slide show: 30 minutes
- When in Wireless transfer mode: 3 minutes (however, the power will not turn off automatically while transferring images.)
- When using the optional EH-62C AC adapter kit: 30 minutes

When connecting the camera to a computer or printer with a USB cable, Auto power off function does not work. When a transfer confirmation dialog appears for Shoot & Transfer (🔲146) in Wireless transfer mode, Auto power off function does not work.

Transfer confirmation dialog

First Steps

15
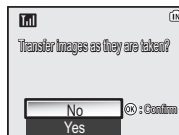
Basic Setup

The first time the camera is turned on, a language-selection dialog will be displayed in the monitor. Follow the steps below to choose a language and set the time and date.
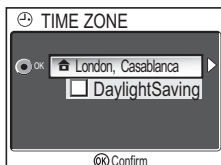
1

Deutsch	Русский
✓ English	Svenska
Español	日本語
Français	中文(简体)
Italiano	中文(繁體)
Nederlands	한글

MENU Cancel   OK Confirm

Highlight **Deutsch** (German), **English**, **Español** (Spanish), **Français** (French), **Italiano** (Italian), **Nederlands** (Dutch), **Русский** (Russian), **Svenska** (Swedish), 日本語 (Japanese), 中文(简体) (Simplified Chinese), 中文(繁體) (Traditional Chinese) or 한글 (Korean) and press ⓄⓀ.

2

⊕ DATE

Set time and date?

No
Yes

OK Confirm

Confirmation dialog displayed. Highlight **Yes**.

3

⊕ TIME ZONE

● OK 🏠 London, Casablanca ▶
☐ DaylightSaving

OK Confirm

TIME ZONE menu displayed.*

* To turn daylight saving time on or off, press multi selector down to highlight **DaylightSaving** and press ⓄⓀ. When **DaylightSaving** is checked, time will automatically be advanced one hour (🖪119). To return to step 3, press multi selector up to highlight current time zone.

4

⊕ HOME TIME ZONE

🏠 London, Casablanca ◀▶

MENU Back   OK Confirm

Display map of world time zones.

5

⊕ HOME TIME ZONE

🏠 London, Casablanca ◀▶

MENU Back   OK Confirm

Select home time zone.

🖉 Date not Set

If you exit without setting time and date, the ⊕ ("date not set") icon will flash in the monitor (🖪4) when the camera is in Shooting mode and all pictures will have time stamp of "0000.00.00 00:00" (still images) or "2005.09.01 00:00" (movies).

16
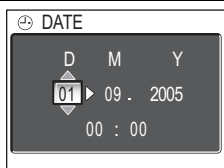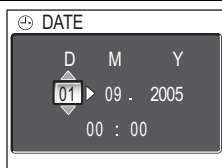
6 (OK)	⏱ DATE D M Y **01** ▸ 09 . 2005 00 : 00 Display DATE menu.
7 (OK)	⏱ DATE D M Y **01** ▸ 09 . 2005 00 : 00 Edit **D**ay (order of **D**ay, **M**onth, and **Y**ear may differ in some areas).
8 (OK)	⏱ DATE D M Y 01 ◂ **09** ▸ 2005 00 : 00 Select **M**onth. Repeat steps 7 and 8 to edit **M**onth, **Y**ear, hour, and minute.
9 (OK)	⏱ DATE **D M Y** 01 . 12 . 2005 13 : 00 ⑥ Confirm Highlight **D M Y**.
10 (OK)	⏱ DATE **M D Y** 12 . 01 . 2005 13 : 00 ⑥ Confirm Choose order in which **D**ay, **M**onth, and **Y**ear will be displayed.
11 (OK)	🅾 IN [ ] 8M NORM AUTO 1/60 F2.7 [14] Exit to mode currently selected with the mode dial. Note that time and date of recording will not be imprinted on pictures unless **Date** or **Date and time** is selected for **Date imprint** (🔲122).
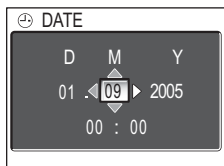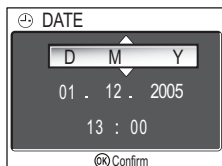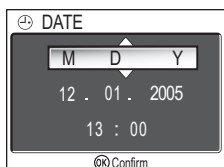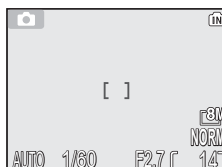
🖉 The Clock Battery

When the main battery is installed or the camera is powered by the optional EH-62C AC adapter, the clock battery will charge in about ten hours. When fully charged, the clock battery can provide a few days of back-up power.

🔗 Setting the Clock from PictureProject (Windows XP/Mac OS X Only)

If the camera is connected with the **USB** option set to **PTP** (default setting) (🔲61) in the **Interface** menu of the Set-up menu, PictureProject and Wireless Camera Setup Utility (both provided) can be used to set the camera clock to the same time and date as the computer. See the *PictureProject Reference Manual* (on CD) for details.

17

Basic Photography

Step 1–Select ◐ Mode

This section details the basic steps involved in taking pictures in ◐ (Auto shooting mode). In this automatic, "point-and-shoot" mode, the majority of camera settings are controlled by the camera in response to shooting conditions, producing optimal results in most situations.
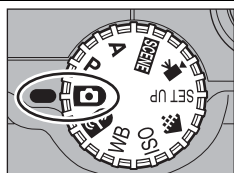
1 Rotate the mode dial to ◐
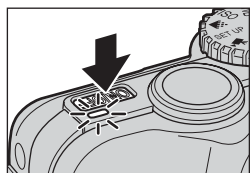
2 Turn the camera on
The power-on lamp will light and the monitor will display a welcome screen (🗐117). The camera is ready to shoot when the monitor shows the view through the camera lens.

Shooting mode
◐ indicates Auto shooting mode.

Internal memory/Memory card
When the camera contains a memory card, ⌐ is displayed, and when there is no memory card in the camera, 𝗜𝗡 is displayed.

Focus area

Exposure mode
When taking pictures in Auto shooting mode, **AUTO** is displayed (🗐45).

Image size
Choose from eight options (for P1) or seven options (for P2) depending on how you plan to use the picture (🗐47). The default setting is ⌐8M **3264 × 2448** for P1, ⌐5M **2592 × 1944** for P2.

Shutter speed **Aperture**

Image quality
Choose from three options depending on how you plan to use the picture (🗐47). The default setting is **NORMAL**.

Number of exposures remaining
The number of pictures that can be stored in the internal memory or on a memory card depends on the capacity of the memory or memory card and the option chosen for **Image mode** (**Image quality** and **Image size**) (🗐47).

18
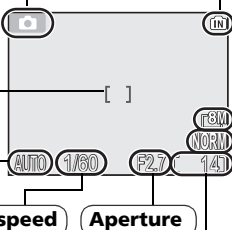
📝 Number of Exposures Remaining

If the number of exposures remaining is zero, the message "OUT OF MEMORY" will be displayed in the monitor and no further pictures can be taken until you:
- Choose a lower image quality or image size setting (🐾47) (depending on certain conditions, no further pictures may be taken even if you change the setting).
- Insert a new memory card (🐾12).
- Remove the memory card so that pictures will be recorded in the internal memory (pictures can be taken only when the internal memory has space).
- Delete some pictures in the internal memory or on a memory card (🐾111).

🔍 Available Functions in Auto Shooting Mode

In 🄰 (Auto shooting) mode, the Flash, Self-timer, Focus, and Exposure compensation can be set (🐾26). In ✦ mode, **Image quality** and **Image size** can be set (🐾47).
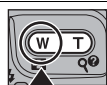
Basic Photography

Step 2–Frame the Picture
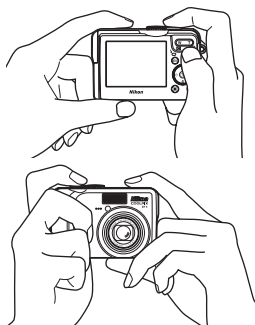
1 Ready the camera
Hold the camera steadily in both hands. Photographs can be framed in the monitor.

✓ Don't Block the Shot

To avoid dark or partially obscured pictures, keep your fingers and other objects away from the **lens**, **flash window**, **AF-assist illuminator**, **microphone**, and **antenna**.

2 Frame your subject
Your Nikon digital camera is equipped with two types of built-in zoom: optical zoom, in which the camera's telescoping lens can be used to magnify the subject up to 3.5×, and digital zoom, in which digital processing is used to further magnify the image up to 4×, for a total of 14×. Use the zoom buttons to frame your subject in the center of the monitor:

Zoom out   Zoom in

- Press the � (**W**) button to zoom out from your subject, increasing the area visible in the frame.
- Press the Q (**T**) button to zoom in on your subject so that it fills a larger area of the frame.

Indicator in monitor shows amount of zoom when either button is pressed

To use digital zoom
When the camera is zoomed in to maximum magnification, holding the Q (**T**) button down for more than two seconds will trigger digital zoom. The zoom indicator will turn yellow. Use the Q (**T**) and ▪▪ (**W**) buttons to adjust zoom in the digital zoom range. To cancel digital zoom, press ▪▪ (**W**) until the zoom indicator turns white.
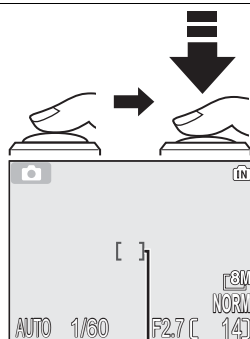
Digital zoom

⚠ **Digital Zoom**

- In digital zoom, data from the camera's image sensor is processed digitally, enlarging the center area of the picture to fill the frame. Unlike optical zoom, digital zoom does not increase the amount of detail visible in the picture. Instead, details visible at maximum optical zoom are simply enlarged, producing a slightly "grainy" image.
- When digital zoom is working, the focus area is fixed in the center of the frame (🡵 97).
- When digital zoom is working, **Metering** is set just like ⊙ **Center-weighted** (🡵 88).
- Digital zoom is not available with 🏛 **Multi-shot 16** and 🏛 **Ultra HS** in **Continuous** (🡵 89) mode, or 🏛 **PORTRAIT (FACE AF)**, 🏛 **PORTRAIT**, and 🏛 **NIGHT PORTRAIT** in Scene mode (🡵 34).
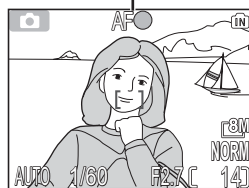
🖊 **When Lighting Is Poor**

When lighting is poor, ISO sensitivity is raised to compensate and the image in the monitor may be slightly grainy. This is normal and does not indicate a malfunction.
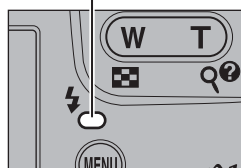
Step 3–Focus and Shoot

1 Focus

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

The camera has a two stage shutter-release button. The camera sets focus and exposure when the button is pressed halfway. Focus and exposure will remain locked while the shutter-release button is kept in this position.

* In ▣ mode, the camera focuses with Autofocus on subject at center of frame.
* When subject is in focus, the Focus area turns green.

Focus area

Focus indicator

With the shutter-release button pressed halfway, check the focus indicator and Red (⚡) lamp:

Red (⚡) Lamp

Focus indicator	On (green)	Subject in focus.
	Blinks red	Camera unable to focus on subject at center of frame. Using focus lock, focus on another subject at same distance, then recompose picture and shoot.
Red (⚡) lamp	On (red)	Flash will fire when picture is taken.
	Blinks red	Flash is charging.
	Off	Flash is off or not required.

2 Take the picture

* *Press the shutter-release button the rest of the way down* to take the picture.
* To prevent blur, press the shutter-release button down smoothly.

⚠ During Recording

While pictures are being recorded to the memory or memory card, the memory icon (📷 or 🗂) will blink. **Do not turn the camera off, eject the memory card, or remove or disconnect the power source while pictures are being recorded.** Cutting power or removing the memory card in these circumstances could result in loss of data or in damage to the camera, internal memory, or card.

⚠ Low Battery

If the flash fires when the low battery icon is displayed, the monitor will turn off while the flash recharges.

✐ Getting Good Results with Autofocus

Autofocus performs best when there is contrast between the subject and the background and the subject is evenly lit. It does not perform well if the subject is very dark or 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).

⊙ Autofocus

The COOLPIX P1/P2 has two modes that allow control of the Autofocus; **AF area mode** (🔺97) and **Auto-focus mode** (🔺100).

⊙ AF-Assist Illuminator

COOLPIX P1/P2 is equipped with an AF-assist illuminator. If lighting is poor, the built-in AF-assist illuminator will light when the shutter-release button is pressed halfway, allowing the camera to focus even when the subject is poorly lit. For more information on AF-assist illuminator, see "≡⊃ AF Assist" in the Set-up menu (🔺125).

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Step 4—View the Results (Full-screen Playback)
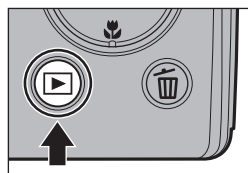
1 Press the ▶ button
- The button is disabled when mode dial is set to 🎬. Make sure the mode dial is not set to 🎬.
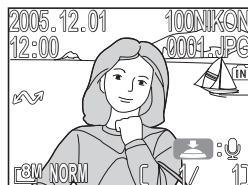
2 View pictures in the monitor
- This mode is called "Full-screen playback."
- To view additional pictures, press multi selector down or right to view pictures in the order recorded, up or left to view pictures in reverse order.
- Pictures are displayed briefly at low resolution while being read from the memory or a memory card. This makes it possible to scroll rapidly through the pictures in the memory or a memory card without waiting for each image to be displayed at full resolution.

To cancel Full-screen playback and return to the Auto shooting mode, press the ▶ button again.

Deleting Unwanted Pictures

During Playback mode, pressing 🗑 displays the delete confirmation dialog (except when a menu is displayed). Highlight **Yes** and press ⊛ to delete the currently displayed picture and return to Playback mode. Highlight **No** and press ⊛ to return to Playback screen without deleting the picture.

At any time during shooting mode, you can press the 🗑 button to delete the last picture taken.
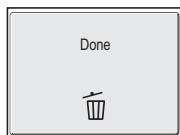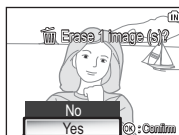
The ▶ Button

Pressing the ▶ button for about one second will turn the camera on (except when the mode dial is set to 🎬). Press again to return to the mode selected with the mode dial.

More About Playback

For more information on playback, see "More on Playback" (📖 55 - 75).

24

✐ **Image File and Folder Names**

In the memory or on the memory card, pictures are identified by 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"). When a picture is viewed in the monitor, the file number and extension appear in the top right corner of the display. The identifier is not displayed, but is visible when images are transferred to a computer.

| Picture type		Identifier	Extension	🔳
Original	Still picture	DSCN	.JPG	24
	Movie	DSCN	.MOV	85
	Time-lapse movie	INTN	.MOV	83
Copy	Copy created using **Small pic.**	SSCN	.JPG	79
	Cropped copy	RSCN	.JPG	77
	Copy created using **D-Lighting**	FSCN	.JPG	78
Audio file	Voice memo	DSCN, RSCN, SSCN, FSCN	.WAV	58

- Pictures are stored in a folder created automatically by the camera. The folder name includes a three-digit folder number (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 largest folder number (e.g., 100NIKON → 101NIKON).
- When taking pictures using ⊨ **Panorama assist** (🔳43), 🖳 **Ultra HS** (🔳89), or 🕝 **Intvl timer shooting** (🔳91), each sequence of pictures is stored in a folder with a name consisting of a three-digit folder number followed by "XXXP_xxx", "XXXN_xxx", or "XXXINTVL" (e.g., "101P_001", "101N_001" or "101INTVL").
- If you take a picture when the current folder contains a picture numbered 9999, a new folder will be created and file numbering will begin again from 0001.
- If file number reaches 200 or picture number reaches 9999 when the memory or the memory card contains a folder numbered 999, no further pictures can be taken, even if there is still memory capacity. Replace the memory card, or transfer all pictures to a computer (🔳61) and then format the memory or the memory card (🔳127).

More on Photography

In addition to ⬤ (Auto shooting) mode explained in "Basic Photography" (🖪18), the COOLPIX P1/P2 has other shooting modes which are **P** (Programmed auto) mode, **A** (Aperture-priority auto) mode, and 🖸🖸🖸🖸 (Scene) mode. Use the mode dial to select the mode.

Some functions can be set when taking pictures with all the modes and some functions can only be set in **P** and **A** modes.

How to select	Function	⬤	P	A	SCENE	🦋
	⚡ Flash					27
	⏱ Self timer	○	○	○	○*2	30
	🌷 Focus mode					31
	🔆 Exposure comp.					33
	✦ Image mode*1 (image quality and image size)	○			○	47
	ISO Sensitivity*1		○*3	○*3		50
	WB White balance*1	–			–	52
	Functions for Shooting menu	–	○	○	–*4	86

*1 Before rotating the mode dial to a Shooting mode (⬤, **P**, **A**, SCENE) and taking pictures, set the ✦ Image mode, ISO sensitivity and WB White balance.

*2 The functions that can be set depend on the scene mode in use (🖪34). See Scene mode for more information.

*3 Can be set from Shooting menu in **P** (Programmed auto) mode and **A** (Aperture-priority auto) mode (🖪86).

*4 Pressing MENU in SCENE (Scene) mode displays the Scene menu (🖪34).

🖊 When the Focus Area Selection Guide or Exposure Compensation Setting Screen is Displayed

When the Focus area selection guide (🖪97) or the Exposure compensation setting screen (🖪33, 45) is displayed, Flash mode (🖪27), Self-timer mode (🖪30) and Focus mode (🖪31) cannot be set.
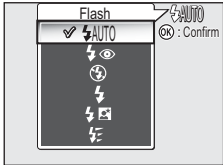
When the Focus area selection guide is displayed, Exposure compensation cannot be set.

Press ⑱ to hide Focus area selection guide or Exposure compensation setting screen and select mode.

⚡ When Lighting Is Poor: Using the Flash

The following six flash modes are available:

Mode	How it works	When to use it
⚡AUTO **Auto**	Flash fires when lighting is poor.	Best choice in most situations.
⚡◉ **Auto with red-eye reduction**	Pre-flash is used before the main flash fires to reduce "red-eye." If "red-eye" is detected after an image is taken, the camera will correct "red-eye" when storing the picture.	Use for portraits (works best when subject is well within range of flash and looking at pre-flash). Not recommended when quick shutter response is required.
⊛ **Flash Cancel (off)**	Flash will not fire even when lighting is poor.	Use to capture natural lighting under dim light or where use of flash is prohibited. If 🖐 (camera shake) icon appears, care should be taken to avoid blurring.
⚡ **Anytime Flash (fill flash)**	Flash fires whenever picture is taken.	Use to "fill-in" (illuminate) shadows and back-lit subjects.
⚡📷 **Slow sync**	Auto flash combined with slow shutter speeds.	Use to capture both subject and background at night or under dim light. Care should be taken to avoid blurring.
⚡ **Rear-curtain sync**	Shutter speed slows; built-in flash fires just before shutter closes.	Creates stream of light trailing moving objects. Care should be taken to avoid blurring when lighting is poor.

More on Photography

27

To choose the flash mode:

1 Display Flash menu.

2 Highlight desired mode and press ⊗. Flash mode is displayed in monitor (to exit without changing mode, wait two seconds without pressing ⊗).

☑ The 🔲 (Camera Shake) Icon

When lighting is poor and the Flash is off (⑤), shutter speeds will slow and pictures may be blurred. If the shutter speed required for exposure is very slow, the 🔲 (camera shake) icon will appear in the monitor as a warning. Use of a tripod or support is recommended.
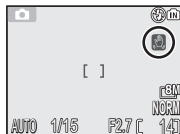
☑ Using the Built-In Flash

Light from the flash reflected from particles of dust or other matter in the air may appear in pictures as bright specks. If this occurs, turn the flash off or zoom in and try again.

☑ Flash Mode Selection

Flash mode is not available in the following cases:

- When taking pictures using 🔳 **Continuous H** (P1), 🔳 **Continuous L** (P1), 🔳 **Continuous** (P2), 🔳 **Ultra HS**, or 🔳 **5 shot buffer** (■89)
- **BSS** is set to **On** (■92).
- **Auto bracketing** is set to **BKT Auto bracketing** (■93).
- Taking a picture when Focus mode is set to ▲ (Infinity mode) (■31).
- Recording a movie other than Time-lapse movie (■81).

Flash mode is fixed at ⑤ (Flash cancel) or ⚡ (Anytime Flash) in some scene modes (■34 - 44).

28

⌗ Red-Eye Reduction

The "Red-eye reduction" flash function of the COOLPIX P1/P2 uses an **advanced red-eye reduction method**. Several pre-flashes are fired before the main flash fires to reduce "red-eye." In addition to this function, if "red-eye" is detected the camera will automatically correct it when storing the picture ("In-Camera Red-Eye Fix"). Using this function there is slight delay before you can press the shutter release again for the next shot. Depending on the situation, red-eye reduction may not always produce the desired results. In some rare cases, other picture areas may be affected as well as the "red-eye" area. In this case, choose another flash mode and try again.

⌗ Flash Range

- Flash range varies with zoom position. When the camera is zoomed all the way out, the flash has a range of approximately 0.5 - 3.8 m (1 ft. 8 in. - 12 ft. 6 in.). When the camera is zoomed all the way in, the flash has a range of approximately 0.5 - 2.0 m (1 ft. 8 in. - 6 ft. 7 in.) with **Auto** in **Sensitivity**.
- The flash may not be able to light the entire subject at distances of less than 0.5 m (1 ft. 8 in.). When taking close-ups, play each picture back after shooting to check the results.

🔍 ISO Sensitivity

ISO Sensitivity is a measure of how sensitive the camera responds to light. Your Nikon digital camera normally has an ISO sensitivity roughly equivalent to film with an ISO 50 rating for COOLPIX P1 or ISO 64 rating for COOLPIX P2.

When **Sensitivity** is set to **Auto**, the camera will automatically increase sensitivity in response to lighting conditions, permitting faster exposures and minimizing blur caused by inadvertent camera movement (camera shake).

An **ISO** icon will be displayed to warn that pictures may be slightly grainy.

29
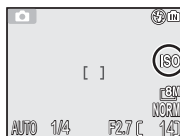
⏱ **Taking a Self-Portrait: Using the Self-Timer**

When the self-timer is on, pictures are taken 10 or 3 seconds after the shutter-release button is pressed. This can be used to allow you to appear in your own pictures or to prevent close-up or low-light shots from being blurred by the camera movement that occurs when the shutter-release button is pressed.
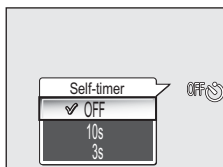
1	**2**
Self-timer ✓ OFF 10s 3s OFF⏱	Self-timer ✓ OFF 10s 3s ⏱ : Confirm
Display Self-timer menu.	Highlight option.
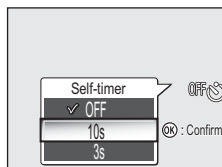
3	**4**
☐ IN [ ] 10⏱ AUTO 1/60 F2.7 [14] NORM	☐ AF○ IN [ ] 10⏱ AUTO 1/60 F2.7 [14] NORM
Exit menu. ⏱ icon is displayed in monitor (to exit without setting the self-timer, wait two seconds without pressing ⏱).	Start timer. • Countdown timer in monitor shows number of seconds remaining until shutter is released. • Press the shutter-release button again or press multi selector left to stop the self-timer.

The self-timer lamp on the front of the camera will blink until one second before the picture is taken, staying lit during the final second to warn that the shutter is about to be released.

🖊 The Self-Timer

- When using the self-timer, mount the camera on a tripod (recommended) or rest it on a flat, level surface.
- If an option other than 📷 **Intvl timer shooting** is selected for **Continuous** (🖼89), **Continuous** will automatically be set to **S Single**.
- When **BSS** (🖼92) is set to **ON** or **Auto bracketing** (🖼93) is set to **BKT Auto bracketing**, or scene mode is set to 🏛 **MUSEUM** (🖼40) or 🏃 **SPORTS** (🖼41), **Continuous** will automatically be set to **S Single**.

30

💐 Focusing on the Subject: Using Focus Mode

Choose a focus mode according to the subject and composition.

Mode	How it works	When to use it	Mode dial
AF Autofocus	Camera automatically adjusts focus according to distance to subject.	Use when subject is 50 cm (1 ft. 8 in.) or more from lens.	
▲ Infinity	Camera focuses at infinity; focus indicator lights whenever shutter-release button is pressed halfway. Flash is disabled.	Use when shooting distant scenes through foreground objects such as windows.	▣ P A SCENE 🎥 📶
♠ Focusing limit	Camera can focus on subjects 2 m (6 ft. 7 in.) or more from the lens.	Use when subject is 2 m (6 ft. 7 in.) or more from the lens. Camera focuses on subjects faster than with normal Autofocus.	
💐 Macro close-up	If zoomed in or out until 💐 icon in the shooting display turns green, camera can focus on objects as close as 4 cm (1.6 in.) to the lens.	Use for close-ups.	

More on Photography

31

To choose the focus mode:
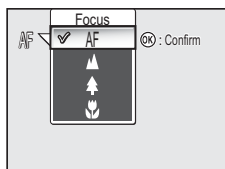
1 Display Focus mode menu.

Focus
AF ✓ AF ⊛: Confirm

2 Highlight option.
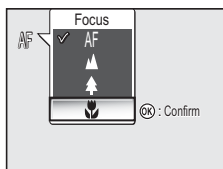
Focus
AF ✓ AF ⊛: Confirm

3 Exit menu. Focus mode icon appears in monitor (to exit without setting Focus mode, wait two seconds without pressing ⊛).

[ ]

IN
8M
NORM
AUTO 1/60 F2.7 [14]
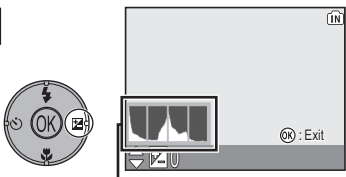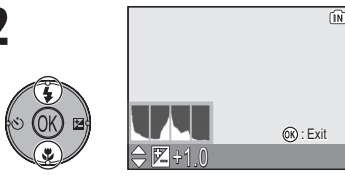
Focus Mode

Focus mode is not available in some scene modes (🖎34 - 44).

More on Photography

⊠ Controlling Exposure: Exposure Compensation

Exposure compensation is used to alter the exposure from the value suggested by the camera. Exposure compensation can be set to values between –2.0 EV (underexposure) and +2.0 EV (overexposure) in increments of 1/3 EV.

1

Histogram

Display value for exposure compensation (exposure compensation setting screen) and histogram (distribution of tones).

2

Highlight desired value.
- You can frame your subject, focus, and shoot.
- Press ⊛ to exit.

✎ Exposure Compensation

Exposure compensation is not available when ✹ **FIREWORKS SHOW** (🗏39) is selected in the Scene mode.

◉ Exposure Compensation in P and A Modes

In addition to exposure compensation, exposure can be set with flexible program in **P** (Programmed auto) mode and aperture in **A** (Aperture-priority auto) mode.

◉ Choosing a Value for Exposure Compensation

As a rule of thumb, select *positive* values when large areas of the frame are very brightly lit (for example, when photographing an expanse of sunlit water, sand, or snow) or when the background is much brighter than the main subject. Choose *negative* values when large areas of the frame are very dark (for example, when photographing a forest of dark green leaves) or when the background is much darker than the main subject. This is because the camera, in order to avoid extreme under- or over-exposure, tends to lower exposure when the frame is very bright and raise exposure when the frame is very dark. This can make naturally bright subjects look darker and naturally dark subjects appear over-bright, or "washed out."

◉ Histogram

A histogram shows distribution of tones in image; horizontal axis corresponds to pixel brightness, with dark tones to left and bright tones to right, while vertical axis shows number of pixels of each brightness in the image.
The scale of an axis is determined by the maximum number of pixels of a picture.

More on Photography

33

SCENE Scene Mode

Scene mode offers a menu of 16 "scenes", each corresponding to a common situation, such as a backlit subject, sunset, or interior shot. Camera settings are automatically adjusted to suit the selected scene, sparing the user the necessity of adjusting each setting separately.

With Advanced option, 3 effects, including **NORMAL**, can be selected for 11 of the 16 scenes. For example, you can adjust an image in Portrait mode so that skin tones appear brighter.

To choose a scene:

1
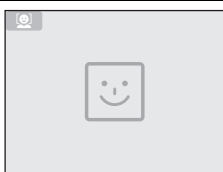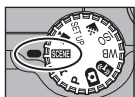
Select Scene mode (default is 😊).

2

SCENE PORTRAIT (FACE AF)

Display Scene menu.*

3

SCENE PORTRAIT
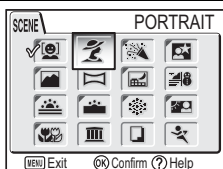
Highlight scene.
• To exit without changing current selection, press **MENU**.

4

🏃 PORTRAIT
NORMAL
EFFECT 1
EFFECT 2
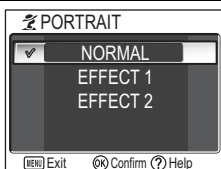
Display Advanced options menu.
• If there are no options, selected scene mode is set and screen returns to Shooting mode. Selected scene shown by icon in top left corner of the monitor.

* The menu option set most recently appears selected.
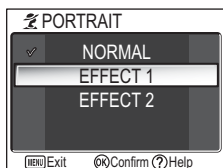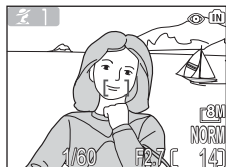
5	**PORTRAIT**	**6**	
	✓ NORMAL		
	EFFECT 1		
	EFFECT 2		
	MENU Exit OK Confirm ? Help		
Highlight option.		Set option and return to shooting mode.	
		• If Advanced option is not set to **NORMAL**, the selected effect (1 or 2) appears next to the scene mode icon.	

✐ Scene Modes

Depending on your subject, scene modes may not always produce the desired results. If results are not to your satisfaction, choose ● (Auto shooting), **P** or **A** and try again.

✐ AF-assist Illuminator

AF-assist illuminator will not light in 🏔 **LANDSCAPE**, 🏙 **NIGHT LANDSCAPE**, 🌆 **DUSK/DAWN**, ☼ **FIREWORKS SHOW**, 🏛 **MUSEUM**, or 🏃 **SPORTS** modes, or when the center focus area is not selected in 💃 **PORTRAIT**, 🌃 **NIGHT PORTRAIT**, or 🌷 **CLOSE UP**.

✐ Checking Advanced Options Effects

You may not be able to check Advanced options effects in the monitor. Play back the picture and check effects.

◉ Scene Menu

Pressing the shutter-release button halfway in the Scene menu exits and returns to Shooting screen.

The following scenes are available:

PORTRAIT (FACE AF)

This function is optimal for photographing portraits (from the waist up) of up to three people. When the camera recognizes human faces, the square focus area is displayed and the subject is in focus (Face-priority AF). When the shutter-release button is pressed halfway, focus area is locked and the camera focuses. Main subjects stand out clearly while background details are softened, lending sense of depth to composition.

See page 42 for more information on how to take pictures with this function.
For **EFFECT 1**, skin appears brighter, causing people to stand out.
For **EFFECT 2**, an overall soft effect is produced.

⚡	⚡◉ (Changeable)	❀	AF

PORTRAIT

Use for portraits. Main subject stands out clearly while background details are softened, lending composition sense of depth.

For **EFFECT 1**, skin appears brighter, causing people to stand out.
For **EFFECT 2**, an overall soft effect is produced.

- Degree of softening depends on amount of light available.
- Select from 99 areas to focus on in the focus area using the multi selector.
- Digital zoom is not available.

⚡	⚡◉ (changeable)	❀	AF

✐ Settings for Scene Modes

⚡ and ❀ indicate Flash and Focus mode respectively.

ⓠ The ⓠ (Camera Shake) Icon

When the ⓠ icon appears in the monitor, pictures may be blurred. In this section, the precautions that you can take to avoid blur are indicated by stars:
★   hold the camera in both hands and brace elbows against your body.
★ ★ use a tripod or rest the camera on a flat, level surface.

More on Photography

※ PARTY/INDOOR

Use for shots that include details of the background, or to capture the effects of candlelight and other indoor background lighting.

For **EFFECT 1**, blur is reduced.

For **EFFECT 2**, pictures are blurred less, as with **EFFECT 1**. However, backgrounds appear brighter than when using **EFFECT 1**.

• Blur level: ★

⚡	⚡👁 (changeable)	🌷	AF

🌃 NIGHT PORTRAIT

Use for shots that provide natural balance between main subject and background when shooting portraits under low light.

For **EFFECT 1**, blur is reduced.

For **EFFECT 2**, point sources of light radiate out and causes the nightscape to stand out.

• Noise reduction turns on automatically at slow shutter speeds. It takes more time than usual to store the picture.
• Select from 99 areas to focus on in the focus area using the multi selector.
• Digital zoom is not available.
• Blur level: ★ ★

⚡	⚡👁 (changeable)	🌷	AF

▲ LANDSCAPE

Use for vivid landscape shots that enhance outlines, colors, and contrast in such subjects as skyscapes and forests.

For **EFFECT 1**, colors are enhanced, causing landscape to appear more vivid and clear.

For **EFFECT 2**, the blue color of the sky is captured more vividly.

• Camera focuses at infinity. Focus indicator lights whenever shutter-release button is pressed halfway.
• AF-assist illuminator will not light even when lighting is poor.

⚡	🚫	🌷	▲

37

◻ PANORAMA ASSIST

Use when taking a series of pictures that will later be joined to form a single scene (for example, a panorama or 360° virtual-reality image).

See page 43 for more information on how to take pictures with this function.

- Flash, Self-timer, Focus, and Exposure modes are fixed at settings for the first shot in a series. Zoom is also fixed at the adjustment for the first shot in a series.

⚡	⊗ (changeable)	⚘	**AF** (changeable)

⛰ NIGHT LANDSCAPE

A slow shutter speed is used to produce stunning night land-scapes.

For **EFFECT 1**, nightscape is captured more vividly. Use of a tri-pod is recommended.

For **EFFECT 2**, point sources of light radiate out and causes the nightscape to stand out. Use of a tripod is recommended.

- Focus is fixed at infinity. Focus indicator lights whenever shutter-release button is pressed halfway.
- Noise reduction turns on automatically at slow shutter speeds. It takes more time than usual to store the picture.
- AF-assist illuminator does not light even if for a dark subject.
- Blur level: ★ ★

⚡	⊗	⚘	▲

🏖 BEACH/SNOW

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

⚡	⚡AUTO (changeable)	⚘	**AF**

38

SUNSET

Beautifully captures the deep hues in sunsets and sunrises.
For **EFFECT 1**, the red hues are captured more vividly.
For **EFFECT 2**, the colors of the sunset and sunrise are preserved.

• Blur level: ★

$\frac{\displaystyle 4}{}$	ⓢ	✿	**AF**

DUSK/DAWN

Beautifully captures the colors in the weak natural light before sunrise or after sunset.
For **EFFECT 1**, blue colors are captured more vividly.
For **EFFECT 2**, the colors of the landscape are preserved.

• Camera focuses at infinity. Focus indicator lights whenever shutter-release button is pressed halfway.
• Noise reduction turns on automatically at slow shutter speeds. It takes more time than usual to store the picture.
• AF-assist illuminator does not light even if for a dark subject.
• Blur level: ★

$\frac{\displaystyle 4}{}$	ⓢ	✿	▲

FIREWORKS SHOW

The contrast with the background is deepened and fireworks stand out.
For **EFFECT 1**, continuous, simultaneous fireworks are captured clearly.
For **EFFECT 2**, large fireworks that burst slowly are clearly captured along with their trail.

• Focus is fixed at infinity. Focus indicator lights whenever shutter-release button is pressed halfway.
• Exposure compensation cannot be used.
• AF-assist illuminator does not light even if for a dark subject.
• Blur level: ★ ★

$\frac{\displaystyle 4}{}$	ⓢ	✿	▲

39

📷🔆 BACK LIGHT

Use when light is coming from behind your subject, throwing their features into shadow, or when your subject is in the shade but the background is brightly lit.

For **EFFECT 1**, people appear brighter than normal.

For **EFFECT 2**, the picture is shot to match the brightness of people. Use this effect when people still appear dark using **EFFECT 1**.

💥		💥		🌷		AF

🌷 CLOSE UP

Use to capture vivid colors in close-up shots of flowers, insects, and other small objects, with the background artistically blurred.

For **EFFECT 1**, subject is captured more vividly and clearly.

For **EFFECT 2**, background details are softened and shutter response is quicker. Optimal for capturing moving subjects such as flowers swaying in the breeze.
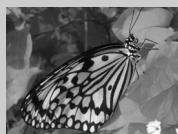
- To focus on objects as close as 4 cm (1.6 in.) to the lens, adjust zoom until the macro close-up icon (🌷) in monitor turns green.
- Minimum focus distance varies with zoom position.
- The camera focuses continuously, until AF lock is set by pressing the shutter-release button halfway.
- Select from 99 areas to focus on in the focus area using the multi selector.
- Blur level: ★

💥		⚡🚫 (changeable)		🌷		🌷

🏛 MUSEUM

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

- The Best Shot Selector (BSS; 🔲92) turns on automatically, reducing the effects of inadvertent camera movement.
- Photography may be prohibited altogether in some locations. Be sure to obtain permission first.
- AF-assist illuminator does not light even if for a dark subject.
- Blur level: ★

💥		⚡🚫		🌷		AF (changeable)

❏ COPY

Provides clear pictures of text or drawings on a white board or in printed matter such as a business card.

• Colored text and drawings may not show up well in the final picture.
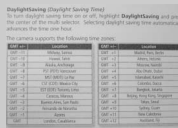
| ⚡ | 🚫 (changeable) | 🌷 | **AF** (changeable) |

❄ SPORTS

Fast shutter speeds freeze motion for dynamic sports shots.

• Camera focuses continuously on center of frame until shutter-release button is pressed halfway to lock focus.
• While shutter-release button is fully pressed, camera shoots at about 2.3 frames (for P1)/2.5 frames (for P2) per second; monitor turns off.
• Focus, exposure, and auto white balance are determined by first shot in each series.

| ⚡ | 🚫 | 🌷 | **AF** (changeable) |

More on Photography

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To use 🙂 **PORTRAIT (FACE AF)**:

1
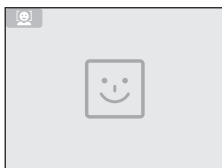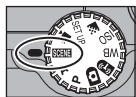
Rotate the mode dial to **SCENE**. 😊 blinks in the center of the monitor (default setting).

- 😊 indicates the size of a subject's face that the camera can recognize.
- If a different Scene menu is selected, press **MENU** button and select 🙂.

2
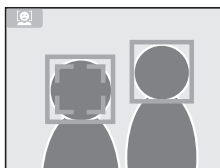
When the subject's face becomes almost the same size as 😊, the camera recognizes it and is framed with 🔲 (yellow).

- When the camera recognizes more than one face, the closest and largest is framed with 🔲 (yellow) and the others with ☐ (yellow). The camera can recognize up to three faces.
- If the frame (🔲 or ☐) disappears because the subject moves, the camera goes back to the screen in step 1.

3
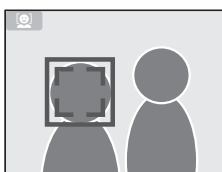
Press the shutter-release button halfway to lock the focus on the face framed with 🔲 (yellow). When focus is locked, the color changes from yellow to green. Press the shutter-release button the rest of the way down to take the picture.

PORTRAIT (FACE AF) - Face-priority AF

- The camera focuses continuously, until the camera recognizes a subject's face.
- When the camera does not recognize a face, the object at the center of the frame is focused.
- Optical zoom is available in the PORTRAIT (FACE AF) mode, but digital zoom (🟥20) does not work.
- The face selected for focusing by the camera varies depending upon a number of conditions including the direction in which each person is facing.
- The camera is unable to recognize human faces in the following situations:
  - The subject is wearing sunglasses or part of face is obstructed in some other way.
  - The subject is facing sideways.
  - A portion of the face is too big because the subject is too close to the camera.
  - A portion of the face is too small because the subject is too far away from the camera.

To use ⊐ **PANORAMA ASSIST**:

1

Select ⊐ (PANORAMA ASSIST) in Scene menu.

2
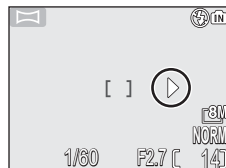
Pan direction (▷) displayed in yellow.

3

Bottom to top

Right to left ←→ Left to right

Top to bottom
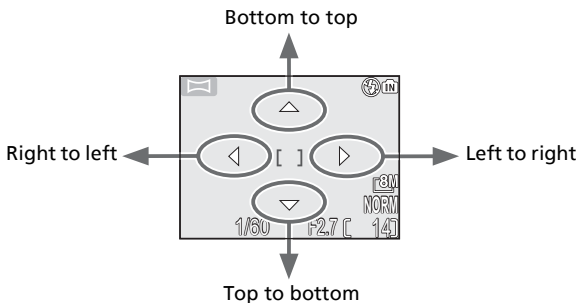
Select how pictures will be joined together in completed panorama. This is the direction in which to pan the camera after each shot.

4
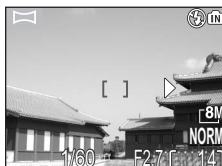
Make selection (to change selected pan direction, press ⊛ again and repeat steps 3 and 4). Pan direction displayed in white.

5

Take first picture. **AE-L** icon is displayed, and white balance and exposure compensation are locked. About one third of picture is shown superimposed on view through lens (if pan direction is left to right, picture will appear on left side of monitor).

More on Photography

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6	Compose the next shot to overlap with the previous picture.

7	**8**
Take next shot. Repeat steps 6 and 7 until all shots in series have been taken.	End series. • Shooting will also end if changing mode using the mode dial or entering Standby mode.

🖉 **Panorama Assist**

Flash mode, Self-timer mode, Focus mode and Exposure compensation can be set after setting pan direction. The pan direction cannot be changed after the first picture is taken. To change the pan direction, press the MENU button to end shooting and repeat steps 1 to 3.

🖉 **Full-Screen Playback**

When you press the ▶ button after starting shooting, Panorama assist mode is terminated and the most recent picture will be displayed in the monitor.

🖉 **Using a Tripod**

Using a tripod makes it easier to compose overlapping shots.

🖉 **Joining Panorama Pictures**

Transfer the pictures taken with ⊐ **PANORAMA ASSIST** to your computer (🖩61) and use the Panorama Maker function in PictureProject to join them into a single scene. For further information, see the *PictureProject Reference Manual* (on CD).

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P/A Controlling Exposure: Exposure Modes

In **P** and **A** modes, shutter speed and aperture can be adjusted to suit the user's creative intent.

P and **A** modes also give the user control over ISO sensitivity (🖼50), white balance (🖼52), and the options in the Shooting menu (🖼86).

Mode	How it works	When to use it
P **Programmed auto**	Camera sets shutter speed and aperture for optimal exposure. "Flexible program" can be used to select additional combinations of shutter speed and aperture that will produce the same exposure.	Recommended for most situations.
A **Aperture-priority auto**	User chooses aperture: camera sets shutter speed for best results.	Large apertures (small f/-numbers) soften background details and let more light into camera, increasing range of flash. Small apertures (large f/-numbers) increase depth of field, bringing main subject and background into focus.

P: Programmed Auto

1

Rotate the mode dial to **P**.

⅓	IN
	8M
	NORM
P 1/60 F2.7 [14]	

2

Frame picture, focus, and shoot.

✎ Flexible Program

In **P** mode, different combinations of shutter speed and aperture can be selected by pressing the multi selector right ("flexible program"). Press the multi selector right or left to switch from one to the other. While flexible program is in effect, shutter speed and aperture are displayed yellow (otherwise, they are displayed white), and an asterisk ("*") appears next to the exposure mode indicator in the shooting display. To deactivate flexible program, press the multi selector left or right until the shutter speed and aperture are displayed in white, or rotate the mode dial to a different setting. Turning off the camera also deactivates flexible program.

More on Photography

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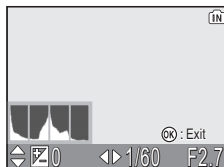
A: Aperture-Priority Auto

1
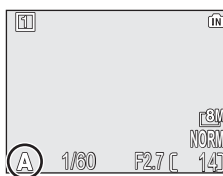
Rotate the mode dial to **A**.

2
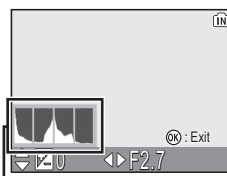
Display value for exposure compensation (exposure compensation setting screen) and histogram (distribution of tones).

Histogram

3
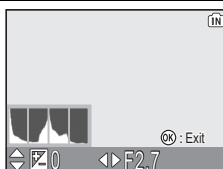
Select aperture.

4

Frame picture, focus, and shoot.

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

An aperture of f/7.9 may not be available at some zoom positions. For smaller apertures, try zooming the camera out.

Aperture and Zoom

The maximum and minimum values for aperture are determined by the camera lens and zoom setting. Unless **On** is chosen for **Fixed aperture** (🔲 100), aperture will change as the camera is zoomed in or out. If the second-highest aperture setting is selected with the camera zoomed all the way out and the camera is then zoomed in, the camera will vary the f/-number to maintain aperture at the second-highest setting for the current zoom position.

Faster Shutter Speeds

Depending on the amount of light available, it may be possible to achieve shutter speeds as high as 1/2,000 s by selecting an aperture of f/7.3 (maximum zoom) or between f/4.8 and f/7.6 (widest angle).

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⊕ Controlling File Size: Selecting Image Quality and Size

The size of the files, and with it the number of images that can be recorded on the memory or the memory card, depends on the size and quality of the images. Before shooting, choose an image quality and size according to how you plan to use the picture.

🎞 Image Quality

The process of reducing the file size of a picture when storing it is called compression. In this camera, pictures are compressed and recorded as JPEG files.

The more a picture is compressed, the smaller the picture size becomes and the larger the number of pictures that can be stored in memory or on a memory card. However, the quality of the image is degraded and the reproducibility of the image's fine areas is reduced.

The less a picture is compressed, the larger the picture size becomes and the smaller the number of pictures that can be stored in memory or on a memory card. However, it maintains the presentation of the image's fine areas and increases the image quality.

Select from the following three options.

Option	Description	Compression
FINE **FINE**	Fine image quality, suitable for enlargements or high quality prints. File size reduced to roughly 1/4 of its original size.	Low
NORM **NORMAL** (default setting)	Normal image quality, suited to most applications. File size reduced to roughly 1/8 of its original size.	↕
BASIC **BASIC**	Basic image quality, suitable for pictures that will be distributed by e-mail or used in web pages. File size reduced to roughly 1/16 of its original size.	High

🎞 Image Size

Smaller images create smaller files suitable for transmission by e-mail or for use in web pages.

When printed in larger sizes, however, small images will be rough and uneven in appearance. The size of images when printed depends on the printer resolution: the higher the resolution, the smaller the final print size.

Select from the following options according to your shooting intent.

Image size (pixels)	Print size (cm)*
8M **3264 × 2448** (default setting for P1)	28 × 21 (11 in. × 8 in.)
5M **2592 × 1944** (default setting for P2)	22 × 16 (8.6 in. × 6.5 in.)
3M **2048 × 1536**	17 × 13 (6.8 in. × 5.1 in.)
2M **1600 × 1200**	14 × 10 (5.3 in. × 4 in.)
1M **1280 × 960**	11 × 8 (4 in. × 3 in.)
PC **1024 × 768**	9 × 7 (3.4 in. × 2.6 in.)
TV **640 × 480**	5 × 4 (2.1 in. × 1.6 in.)
3:2 **3264 × 2176** (for P1)	28 × 18 (11 in. × 7.3 in.)
3:2 **2592 × 1728** (for P2)	22 × 15 (8.6 in. × 5.8 in.)

* All figures are approximate. Print sizes assume a printer resolution of approximately 300dpi. The size of images when printed depends on the printer resolution: the higher the resolution, the smaller the final print size.

To choose image quality or size:

1

€: IMAGE MODE

Image quality   NORM
Image size   8M

®Confirm ?Help
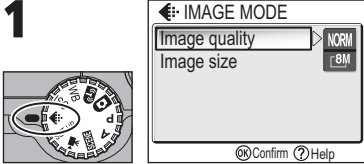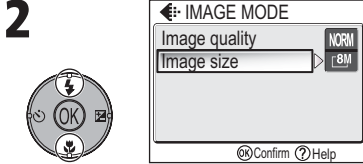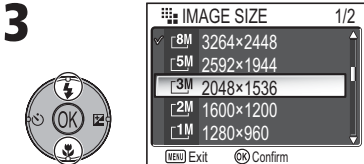
IMAGE MODE menu is displayed.

2

€: IMAGE MODE

Image quality   NORM
Image size   8M

®Confirm ?Help
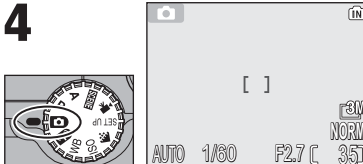
Highlight **Image quality** or **Image size** and press ®.

3

IMAGE SIZE   1/2
✓ 8M 3264×2448
  5M 2592×1944
  3M 2048×1536
  2M 1600×1200
  1M 1280×960
MENU Exit   ® Confirm

Highlight option and press ®.

4

Rotate mode dial to ☐, SCENE, **P**, **A** or (when **Shoot & Transfer** is selected.). Current image quality and size displayed in monitor.

The Shooting Menu

Image quality and size can also be set in the Shooting menu (🕮86).

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🔍 Image Quality/Size and Number of Exposures Remaining

The following table shows the approximate number of pictures that can be stored in internal memory and on a 256-megabyte memory card at different image modes.

| Image mode		Memory		Memory card
Image size	**Image quality**	**About 32 MB (for P1)**	**About 16 MB (for P2)**	**256 MB**
⌐8M 3264 × 2448 (default setting for P1)	**FINE**	7	–	60
	NORMAL	14	–	120
	BASIC	27	–	240
⌐5M 2592 × 1944 (default setting for P2)	**FINE**	11	5	95
	NORMAL	22	10	190
	BASIC	43	20	375
⌐3M 2048 × 1536	**FINE**	18	8	155
	NORMAL	35	16	300
	BASIC	66	30	570
⌐2M 1600 × 1200	**FINE**	29	13	250
	NORMAL	55	25	480
	BASIC	105	48	905
⌐1M 1280 × 960	**FINE**	44	20	385
	NORMAL	85	39	730
	BASIC	149	68	1285
⌐PC 1024 × 768	**FINE**	66	30	570
	NORMAL	119	54	1025
	BASIC	198	91	1710
⌐TV 640 × 480	**FINE**	149	68	1285
	NORMAL	255	117	2200
	BASIC	358	167	3085
⌐3:2 3264 × 2176 (for P1)	**FINE**	8	–	70
	NORMAL	16	–	135
	BASIC	31	–	270
⌐3:2 2592 × 1728 (for P2)	**FINE**	–	5	110
	NORMAL	–	11	215
	BASIC	–	22	415

• If memory remains for more than 999 pictures, camera exposure count display will show 9999.
• The number of exposures remaining varies widely, depending on the type of memory card, the nature of JPEG compression, or the content of the image.

More on Photography

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ISO Using ISO Sensitivity
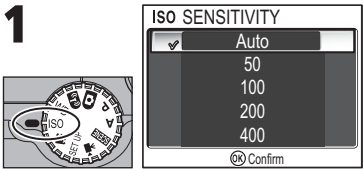
ISO sensitivity is a measure of how sensitive the camera reacts to light. As the sensitivity is increased, the amount of light required for a certain exposure is decreased, allowing for faster shutter speeds. This is recommended when taking pictures in places under low light or of moving subjects. However, "noise" in the form of randomly-spaced, brightly-colored pixels may appear.

In **P** and **A** modes, ISO sensitivity can be selected from the following options:

Option	Description
Auto (default setting)	Approximately equivalent to ISO 50 (for COOLPIX P1) or ISO 64 (for COOLPIX P2) under normal conditions; when lighting is poor, however, camera automatically compensates by raising sensitivity to maximum of ISO 200 equivalent.
50	Approximately equivalent to ISO 50. (for COOLPIX P1)
64	Approximately equivalent to ISO 64. (for COOLPIX P2)
100	Approximately equivalent to ISO 100.
200	Approximately equivalent to ISO 200.
400	Approximately equivalent to ISO 400. Intended for use with natural lighting; not recommended when using flash.
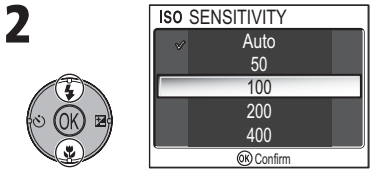
To choose a value for ISO sensitivity:
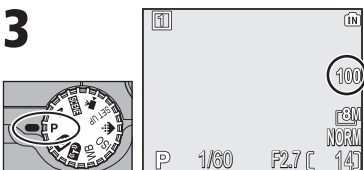
1	ISO SENSITIVITY — Auto / 50 / 100 / 200 / 400 — Confirm
SENSITIVITY menu is displayed.	

2	ISO SENSITIVITY — Auto / 50 / 100 / 200 / 400 — Confirm
Highlight option and press ⊗.	

3	At settings other than **Auto**, current setting is shown in shooting display.

📝 Using the Flash

A setting of **400** is intended for use with natural lighting. Choose **Auto**, **50** (for P1), **64** (for P2), **100**, or **200** when using the flash (■27).

📝 The Shooting Menu

ISO sensitivity can also be set using the **Sensitivity** option in the Shooting menu (■86).

WB Adjusting the Hue: Using White Balance

The color of the light reflected from an object varies with the color of the light source. The human brain is able to adapt to such changes in color, with the result that we see white objects as white, regardless of whether they are in the shade, direct sunlight, or under incandescent lighting. Digital camera can mimic this adjustment by processing information from the camera's image sensor (CCD) according to the color of the light source. This process is known as a "white balance adjustment."

If **White balance** has been set to A·WB **Auto** (default setting) and the results are not to your satisfaction or when shooting under the special light sources or conditions, use white balance settings other than A·WB **Auto**.

In **P** and **A** modes, white balance can be selected from the following options:
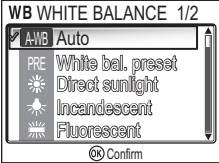
Option		Description
A·WB **Auto** (default setting)		White balance automatically adjusted to suit lighting conditions. Best choice in most situations.
PRE **White bal. preset**		Gray object used as reference to set white balance under unusual lighting conditions (🔲54).
☀ **Direct sunlight**		White balance adjusted for direct sunlight.
🔆 **Incandescent**		Use under incandescent lighting.
☰ **Fluorescent**	FL1	Use under most types of fluorescent lighting. Press multi selector right, and select **FL1** (White (W)) or **FL2** (Daylight White/Natural (N)) according to the bulb types, and then press ⓘ.
	FL2	
☁ **Cloudy**		Use when taking pictures under overcast skies.
⛅ **Shade**		Use under sunny skies when your subject is in the shade.
⚡ **Speedlight**		Use with the flash.

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Setting White Balance

To choose a white balance setting:

1	**WB** WHITE BALANCE 1/2	**2**	**WB** WHITE BALANCE 1/2
	A·WB Auto PRE White bal. preset ☀ Direct sunlight ☀ Incandescent ☀ Fluorescent ⊗ Confirm		A·WB Auto PRE White bal. preset ☀ Direct sunlight ☀ Incandescent ☀ Fluorescent ⊗ Confirm
WHITE BALANCE menu is displayed.		Highlight option and press ⊗.	
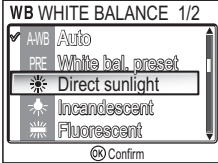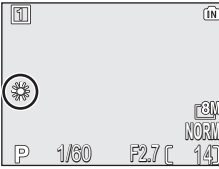
3	1⃣ IN⃞	At settings other than **A·WB**, current set-ting is shown in shooting display.
	☀ P 1/60 F2.7 [14] 8M NORM	

More on Photography

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PRE Preset White Balance

Preset white balance is used when shooting under 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). When PRE **White bal. preset** is selected from the White balance menu, the camera will zoom in and the menu shown above at right will be displayed in the monitor.

	WB	WHITE BAL PRESET

Cancel
Measure
® Confirm
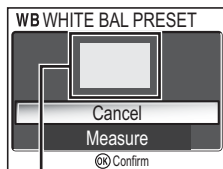
White balance
measuring window

Option	Description
Cancel	Recalls the most recent value for preset white balance from the memory and sets white balance to this value.
Measure	To measure a new value for white balance, place a neutral gray object, such as a piece of cardboard, under the lighting that will be used in the final picture. Frame this object so that it fills the square in the center of the menu shown above. Highlight **Measure** and press ® to measure a new value for white balance (shutter will be released and camera will return to original zoom position, but no picture will be recorded).

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 selecting **Measure**.
- When **Auto bracketing** is set to $\boxed{\text{WB}}$ **WB bracketing**, preset white balance cannot be used.

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More on Photography

Viewing Pictures on the Camera

Full-screen Playback Mode

Press the ▶ button when shooting for Full-screen playback mode (🐼24).
• When the camera is turned off, pressing the ▶ button for about one second turns on the camera in Full-screen playback mode (except when the mode dial is set to 🎦).

Viewing Multiple Pictures: Thumbnail Playback

Pressing the ◼ (**W**) button in Full-screen playback mode (🐼24) displays the pictures in the memory or on the memory card in "contact sheets" of four thumbnail images.

To	Press	Description
Highlight pictures		Use multi selector to highlight pictures.
Change number of pictures displayed	◼(**W**)/ Q(**T**)	With 4 thumbnails displayed, press the ◼ (**W**) button once to view 9 thumbnails. With 9 thumbnails displayed, press the ◼ (**W**) button once to view 16 thumbnails. Press the Q (**T**) button to "zoom in" from 16-thumbnails to 9-thumbnail view or, from 9-thumbnails to 4-thumbnail view.
Delete highlighted picture	🗑	The confirmation dialog will be displayed. Press multi selector down to highlight **Yes**, and press ⓞ to delete the picture. • **No**: Return to Playback mode without deleting a picture. • [♪]: Delete only the voice memo recorded with a picture (🐼58). [♪] is displayed when selecting a picture with the voice memo.
Cancel thumbnail playback		Press ⓞ when viewing thumbnails to display selected picture in Full-screen playback mode.

More on Playback

55
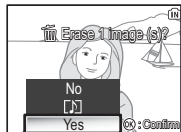
Histogram Display

Press ⊛ in Full-screen playback mode to view the histogram display (■33). The following current settings are displayed on the right side of the display:

Shooting mode, shutter speed, aperture, exposure compensation, ISO sensitivity

Highlighted parts (bright portions) blink.

Press ⊛ while the histogram is displayed to return to Full-screen playback mode.
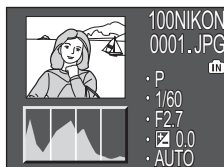
Quick Playback Zoom

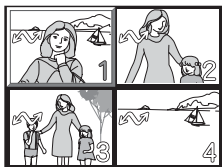In Full-screen playback mode, press Q (**T**) to activate Quick playback zoom and display an enlarged (approximately ×3) view of the picture.

1

Select picture to enlarge.
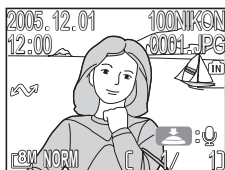
2

Zoom picture in ×3. Center of picture is visible in display.
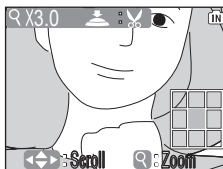
3

View other areas of picture. Area currently visible indicated by display in lower right corner.
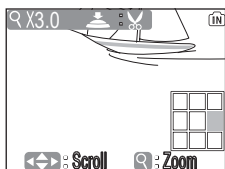
4

End zoom and return to playback.
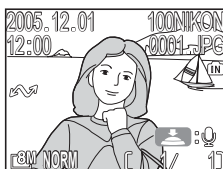
✐ Images in the Memory

The pictures in the memory and on the memory card cannot be displayed simultaneously. To display pictures stored in the memory, select either of the following:

• Remove the memory card from the camera, and display the pictures.
• Copy pictures stored in the memory to a memory card (■114), and display the pictures.

Taking a Closer Look: Playback Zoom

While Quick playback zoom is in effect, use Q (**T**) and
$\boxed{\cdot\cdot}$ (**W**) to zoom the picture in and out.

To	Press	Description
Zoom in	Q(**T**)	Press Q (**T**) while quick playback zoom is in effect to increase zoom to a maximum of 10×. While image is zoomed in, Q icon and zoom ratio are displayed in top left corner of monitor.
View other areas of picture		Use multi selector to scroll to areas of picture not visible in monitor. To use multi selector to view other pictures, cancel zoom.
Zoom out	$\boxed{\cdot\cdot}$(**W**)	Zoom decreases each time this button is pressed in playback zoom. To cancel zoom, zoom picture out until entire picture is displayed. If zoom is canceled, you can use the multi selector to display another picture.
Cancel zoom		Cancel zoom and return to Full-screen playback. If zoom is canceled, you can use the multi selector to display another picture.
Crop picture	shutter-release button	Only portion of picture visible in monitor can be cropped (🗒77).
Delete picture	🗑	The confirmation dialog will be displayed when you press the 🗑 button. Press multi selector down to highlight **Yes**, and press 🞪 to delete the picture. • **No**: Return to Full-screen playback without deleting the picture. • [♪]: Delete only the voice memo recorded with a picture (🗒58). [♪] is displayed when selecting a picture with the voice memo.
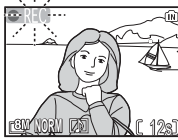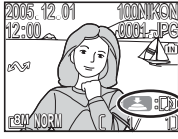
⬆ Playback Zoom

Playback zoom is not available with movies (🗒80), copies created using the **Small pic.** option (🗒79), or cropped copies (320 × 240 pixels or smaller) (🗒77).

More on Playback

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Voice Memos: Recording and Playback

A voice memo can be recorded using the built-in micro-phone and appended to any picture marked with ⬛:🎤 (voice memo recording guide) icon shown in Full-screen playback (🔲24).

To	Press	Description
Record voice memo	⬇ shutter-release button	If ⬛:🎤 icon is displayed on current picture, memo will be recorded when shutter-release button is held down. During recording, ●REC icon blinks. Recording ends after about 20s or when shutter-release button is released.
Play voice memo/ End play-back	⬇ shutter-release button	Pictures with voice memos are marked by ⬛:[🎵] icon displayed in the Full-screen playback mode. Press shutter-release button to play voice memo. Playback ends when voice memo ends or shutter-release button is pressed again.
Pause/ Resume show	(OK)	Press ⓚ during voice memo playback to pause. Press ⓚ again to resume playback.
Change volume	⬛(**W**)/ 🔍(**T**)	Zoom buttons control volume during playback. Press ⬛ (**W**) button to lower volume, 🔍 (**T**) button to increase.
Delete voice memo	🗑	The confirmation dialog will be displayed. Press multi selector down to highlight [🎵], and press ⓚ. Only a voice memo will be deleted. • **No** : Exit without deleting picture or voice memo • **Yes**: Delete both picture and voice memo

More on Playback

✎ Storage

Voice memo file names consist of an identifier ("DSCN" for memos appended to original pictures), a four-digit file number copied from the associated picture, and the extension ".WAV" (e.g., "DSCN0015.WAV").

✎ Notes on Voice Memos

- Voice memos cannot be recorded for movies.
- If a voice memo already exists for the current picture, it must be deleted before a new memo can be recorded.
- Do not touch the microphone during recording.

Viewing Pictures on TV

The EG-CP14 audio/video (A/V) cable provided with your camera can be used to connect the camera to a television or video-cassette recorder (VCR).

1 Turn the camera off
Turn the camera off before connecting or disconnecting the A/V cable.

2 Connect the A/V cable to the camera
Open the interface connector cover and insert the black plug of the A/V cable into the camera's audio/video (A/V) out connector.
Check to be sure the connector is in the correct orientation and insert the plug straight. Do not insert or disconnect it forcibly.
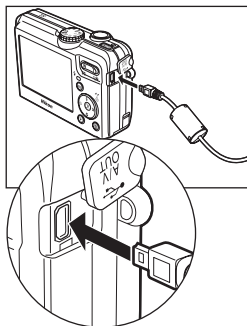
3 Connect the A/V cable to the television or VCR
Insert the yellow plug of the A/V cable into the video-in jack on your television or VCR and the white plug into the audio-in jack.
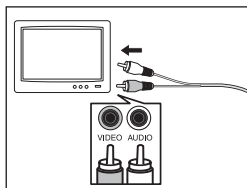
4 Tune the television to the video channel
For more information, see the manual for your television or VCR.

5 Turn the camera on
Press the ▶ button for at least one second to turn the camera on. The camera monitor will turn off and the television will display the image normally shown in the monitor.

Choosing Video Mode

Video mode in the **Interface** option of the camera Set-up menu offers a choice of **NTSC** and **PAL** standards (🖉128). Be sure that the standard selected matches that used in the device.

Viewing Pictures on a Computer

Using the UC-E6 USB cable and PictureProject software provided with your camera, you can transfer photographs and movies to a computer and view them. Before images can be transferred (copied) to your computer, PictureProject must be installed. For information on installing PictureProject, see the *Quick Start Guide* and the *PictureProject Reference Manual* (on CD).

You can transfer images to a computer using a wireless LAN and play back the pictures on computer. See "Wireless Transfer Mode" (🖥132) for more information.

Before Connecting the Camera

Pictures can be copied from the camera to the computer by:
- Pressing ⊛ (Transfer 🔗) on the camera
- Clicking the **Transfer** button in PictureProject

Which method you will use depends on your computer's operating system and the **USB** option selected in the Set-up menu of the camera.

After consulting the following table, select the appropriate option using the **USB** option in the Set-up menu of the camera. The default option is **PTP**.

⊛ (Transfer 🔗) Button

More on Playback

Operating system	Images transferred using:	
	Camera ⊛ (Transfer 🔗)*	PictureProject Transfer button
Windows XP Home Edition Windows XP Professional	Choose **Mass storage** or **PTP**.	
Windows 2000 Professional Windows Millennium Edition (Me) Windows 98 Second Edition (SE)	Choose **Mass storage**.	
Mac OS X (10.1.5 or later)	Choose **PTP**.	Choose **Mass storage** or **PTP**.

* The camera ⊛ (Transfer 🔗) cannot be used to transfer images in the following cases. Use the **Transfer** button in PictureProject.
- When transferring images from the camera memory and **Mass storage** is selected for the **USB** option.
- When the memory card write-protect switch is in the "Lock" position. Unlock by sliding the switch to the "write" position before transferring images.

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Connecting the USB Cable

Turn the computer on and wait for it to start up. After confirming that the camera is off, connect the UC-E6 USB cable (provided with your camera) as shown below. **Check to be sure the connector is in the correct orientation and insert the plug straight. Do not insert or disconnect it forcibly.** Connect the camera directly to the computer; do not connect the cable via a USB hub or keyboard.
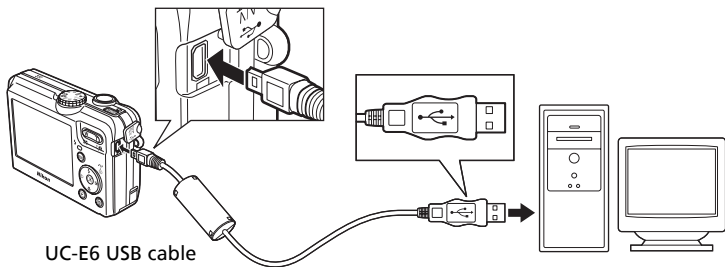
UC-E6 USB cable

You can now turn the camera on.

Windows 2000 Professional, Windows Millennium Edition (Me), Windows 98 Second Edition (SE)

When using one of the above operating systems, select **Mass storage** for the **USB** option in the Set-up menu. If you have connected the camera to a computer running one of the above operating systems with **PTP** (default setting) selected in **USB**, disconnect the camera as described below. Be sure to select **Mass storage** before reconnecting the camera.

Windows 2000 Professional
A dialog will be displayed welcoming you to the Found New Hardware Wizard. Click **Cancel** to close the dialog, and then disconnect the camera.

Windows Millennium Edition (Me)
After displaying a message stating that the hardware information database is being updated, the computer will start the Add New Hardware Wizard. Click **Cancel** to exit the wizard, and then disconnect the camera.

Windows 98 Second Edition (SE)
The Add New Hardware Wizard will be displayed. Click **Cancel** to exit the wizard, and then disconnect the camera.

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Transferring Images

When the PictureProject Transfer is displayed in the computer monitor, pressing
⊛ (Transfer 〰) on the camera or clicking the **Transfer** button in PictureProject
will transfer images to the computer. For information on using PictureProject, see
the *Quick Start Guide* or the *PictureProject Reference Manual* (on CD).

To Transfer Images Using ⊛ (Transfer 〰)

When the PictureProject Transfer screen is displayed in the computer
monitor, press ⊛ (Transfer 〰) on the camera.
Images marked with an 〰 icon (🖼112, 129) will be transferred and
the following messages will be displayed in the camera monitor.

```
PREPARING TO TRANSFER        TRANSFERRING IMAGES TO        TRANSFER COMPLETED
                             COMPUTER
         〰                          〰                            〰
```

☑ During Transfer

While transfer is in progress, do not:
* Disconnect the USB cable
* Turn the camera off
* Remove the battery or the memory card
* Disconnect the AC adapter kit
Failure to observe this precaution could interfere with normal functioning of both the camera
and the computer.

☑ Transferring Images Stored in the Memory

* Remove the memory card from the camera before connecting the camera to the computer.
* When transferring images with ⊛ (Transfer 〰) on the camera, note the following.
  – For Windows XP or Mac OS X (10.1.5 or later), set the **USB** option in the Set-up menu
    to **PTP**.
  – For Windows 2000, Windows Me or Windows 98SE, ⊛ (Transfer 〰) on the camera
    cannot be used. Use the **Transfer** button in PictureProject, or copy the pictures in the
    memory to the memory card (🖼114) and then transfer the pictures to the computer.

☑ Using Mac OS X (10.1.5 or Later)

Before using ⊛ (Transfer 〰) on the camera to transfer images, set the **USB** option in the
Set-up menu to **PTP**. When the **USB** option is set to **Mass storage**, the images cannot be
transferred.

More on Playback

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Disconnecting the Camera

When **PTP** (default setting) Is Selected in **USB**:
You can turn the camera off and disconnect the USB cable once transfer is complete.

When **Mass storage** Is Selected in **USB**:
You must remove the camera from the system as shown below before turning the camera off and disconnecting the 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 that appears.

Windows 2000 Professional
Click the (Unplug or Eject Hardware) icon in the taskbar and select **Stop USB Mass storage Device** from the menu that appears.

Windows Me
Click the (Unplug or Eject Hardware) icon in the taskbar and select **Stop USB Disk** from the menu that appears.

Windows 98SE
In My Computer, click with the right mouse button on the removable disk corresponding to the camera and select **Eject** from the menu that appears.

Mac OS X
Drag the "NO_NAME" camera volume into the Trash.

Mac OS X

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More on Playback

Printing Pictures

Pictures stored in the internal memory or on the memory card can be printed in the same way as pictures taken with a film camera. Using **Print set** in the Playback menu, you can specify the pictures to be printed, the number of prints, and the information to be included with each print.

Printing Pictures

Stored pictures in the internal memory or on the memory card can be printed as follows:

How to print	Memory card	The memory	🖨
Take the memory card to a digital photo lab	Take the memory card containing pictures for which DPOF (Digital Print Order Format) is created using. **Print set**[*1] to a digital photo lab, and ask for them to be printed.	Copy (🖾 114) the pictures to the memory card, and print as described on the left.	66
Use a printer equipped with a card slot	Insert the memory card containing pictures for which DPOF (Digital Print Order Format) is created using **Print set**[*1] into a printer equipped with a card slot, and print them.	Depending on the digital photo lab, take the camera and ask for printing.	66
Use a printer that supports PictBridge	Connect the camera to a printer that supports PictBridge using a USB cable or wireless LAN[*2], and print pictures.		70
Transfer the pictures to a computer and print them	For more information, see the *PictureProject Reference Manual* (on CD).		–
Use a printer connected to a computer	Store the printer as a host for Wireless transfer mode and print pictures directly.		148

[*1] If **Print set** is not set, one copy of all pictures is printed.

[*2] The optional PD-10 wireless printer adapter must be purchased. For more information, see the manual for the adapter.

🖉 Printing the Date and Time of Recording on Pictures

The date of recording can be printed by performing one of the following procedures:
- Before taking pictures set the **Date imprint** option in the Set-up menu (🖾 69, 122).
- If the printer or print service supports Digital Print Order Format (DPOF), use the **Date** option in the **Print set** in the Playback menu (🖾 66-69).
- Transfer the pictures to a computer and print them using PictureProject print settings. For more information, see the *PictureProject Reference Manual* (on CD).

🔍 DPOF

DPOF (Digital Print Order Format) is a recording format that stores the print order, such as pictures or quantity to be printed and recording date, and the shooting information, on the memory card. Before using this option, check that the digital photo lab or printer supports DPOF.

65

凸 Print Set

Print set in the playback menu is used to create digital "print orders" listing the pictures to be printed, the number of prints, and the information to be included on each print. This print order is stored on the memory card in Digital Print Order Format (DPOF). Once a print order has been created, pictures can be printed directly from the memory card by inserting it in a DPOF-compatible device. Alternatively, you could take the memory card to a digital photo lab which supports DPOF. Pictures can also be printed using **Print set** settings, by connecting the camera to a printer supporting PictBridge (70).

Option	Description
噐噐 **Print selected**	Set to print selected pictures.
脳 **Choose date**	Set to print all pictures from a selected date.
凸 **Delete print set**	Delete all print settings.

To use 凸 **Print set**:

1
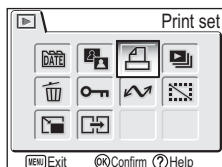
Print set

Highlight **Print set** in the playback menu and press ⑯.

2

凸 PRINT SET

噐噐 Print selected
脳 Choose date
凸 Delete print set

MENU Exit   ⑯ Confirm
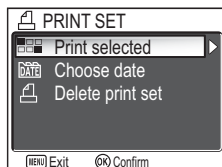
Highlight **Print selected** and press ⑯.
• To cancel all print settings, highlight **Delete print set** and press ⑯.
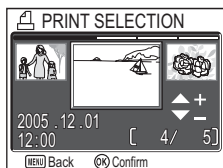
3	PRINT SELECTION	**4**	PRINT SELECTION
	2005 . 12 . 01 12:00 [4/ 5] MENU Back OK Confirm		2005 . 12 . 01 12:00 [4/ 5] MENU Back OK Confirm
Scroll through pictures.		Select current picture. 1 (number of prints) and 🖪 icon are marked on the selected picture.	
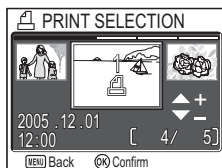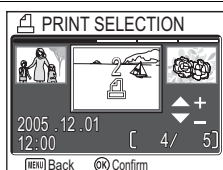
5	PRINT SELECTION	Use multi selector up (+) or down (–) to specify number of prints (up to 9) and press ⊙.
	2005 . 12 . 01 12:00 [4/ 5] MENU Back OK Confirm	• To deselect picture, press multi selector down (–) when number of print is 1. • Repeat steps 3 to 5 to select additional pictures.

6	PRINT SET	PRINT SET screen is displayed. Use multi selector to specify information to print.
	Done □ Date □ Info MENU Exit OK Confirm ⬇ Done	• To print date of recording on all pictures in print order, highlight **Date** and press ⊙. ✔ will appear in box next to item. • To print shutter speed and aperture on all pictures in print order, highlight **Info** and press ⊙. ✔ will appear in box next to item. • To turn selected item off, highlight and press ⊙. • To complete print order and return to playback, highlight **Done** and press ⊙. **Done** is displayed and the screen returns to the Playback menu.

More on Playback

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Setting Print Order by Day

You can cancel the individual print order for pictures and set a print order to print all pictures on the same date of recording.

1

PRINT SET
- Print selected
- Choose date ▶
- Delete print set

MENU Exit   OK Confirm
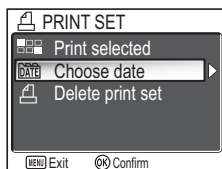
In the PRINT SET screen (🕮66), highlight **Choose date** and press ⓞ.
- If individual print orders are not being set, advance to step 3.

2

CHOOSE DATE
Cancel existing print order?
No
Yes

MENU Exit   OK Confirm
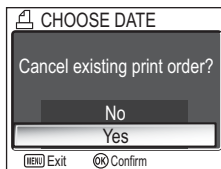
Highlight **Yes** and press ⓞ.
- To cancel, highlight **No** and press ⓞ.

3

CHOOSE DATE
2005 .12 .01 [5]
2005 .11 .01 [3]
2005 .10 .01 [2]
copies [0]

MENU Back   OK Confirm   – ◀▶ +

Select date.

4

CHOOSE DATE
2005 .12 .01 [5]
2005 .11 .01 [3]
2005 .10 .01 [2]
copies [5]

MENU Back   OK Confirm   – ◀▶ +
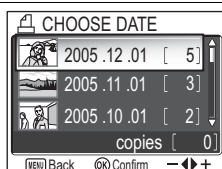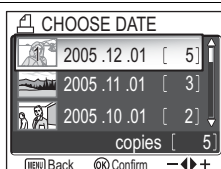
Set print order and press ⓞ.
- 1 (number of prints) and 凸 icon are marked on the selected picture.
- Use multi selector right or left to specify number of prints (🕮66). Up to 999 prints can be set.

5

PRINT SET
Done
☐ Date
☐ Info

MENU Exit   OK Confirm

↓

Done
凸
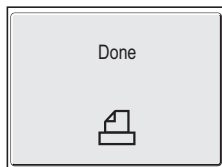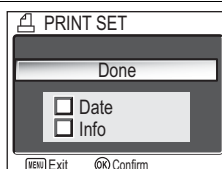
PRINT SET screen is displayed. Use multi selector to specify information to print.
- To print date of recording on all pictures in print order, highlight **Date** and press ⓞ. ✔ will appear in box next to the item.
- To print shutter speed and aperture on all pictures in print order, highlight **Info** and press ⓞ. ✔ will appear in box next to item.
- To turn selected item off, highlight and press ⓞ.
- To complete print order and return to playback, highlight **Done** and press ⓞ. **Done** is displayed and the screen returns to the Playback menu.

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More on Playback

📝 Print Set

If you display the Print set menu after creating a print order, the **Date** and **Info** options will be reset.

📝 Restrictions on Printing Pictures

Pictures that cannot be displayed in the monitor cannot be printed.

📝 When Using Choose Date

Because pictures that are hidden (■113) and pictures with no date set (■16, 118) are not grouped, the operations on the previous page cannot be performed. However, the operations on the previous page may be performed on pictures with no date set but shot with other cameras.

📝 Date

If Date is selected, the date of recording will appear on pictures printed using DPOF. The date to be printed will remain unchanged even if **Date** in the Set-up menu is changed after shooting pictures. If a picture is taken without setting date, it will not be printed even if the ✔ icon is added to the date in the Print set menu.

🔍 Difference Between Date Imprint and Date

There are differences between **Print set** in the Playback menu and **Date imprint** (■122) in the Set-up menu as follows:
- Setting **Date** in the **Print set** option:
  - A date set in **Print set** can be printed only with a printer that supports date-print configuration for DPOF.
  - You can set after taking pictures.
  - A date is not imprinted on the images, but recorded in the DPOF setting files. When printing, a date on the picture can be printed as if it is imprinted on the image. The position of the date depends on the printer.
- Setting **Date imprint**:
  - A date can be printed without any other setting because it is imprinted on the images.
  - You need to make setting before taking pictures.
  - A date is imprinted on the images and the position of the date is fixed at the bottom right corner of the images.
  - Once a date is imprinted, it cannot be deleted from the image.
- When both **Print set** and **Date imprint** are set, only the date of **Date imprint** option will be printed even if using a printer that supports DPOF.

More on Playback

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Printing via Direct USB Connection

Your camera allows pictures to be printed directly from the camera using Pict-Bridge. If the UC-E6 USB cable is used to connect the camera to a printer that supports PictBridge, pictures can be printed directly from the memory or the memory card without having to be transferred to a computer.

1 Choose **PTP** in the **USB** option

Set the **USB** option to **PTP** in the Interface menu of the Set-up menu before connecting the camera to a printer (🔲61).

USB
☑ P PTP
M Mass storage
ⓄK Confirm
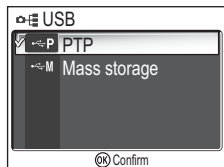
2 Connect the USB cable

After turning the camera off, connect the camera to the printer with the UC-E6 USB cable (provided with your camera) as shown below. **Check to be sure the connector is in the correct orientation and insert the plug straight. Do not insert or disconnect it forcibly.**
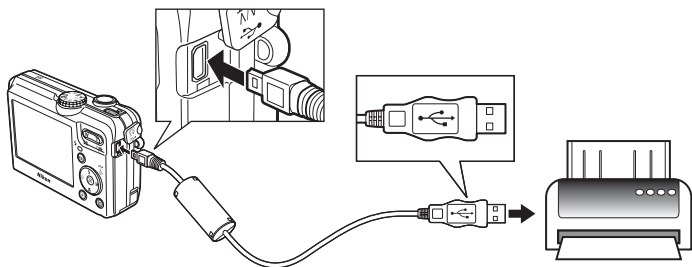
✐ Before Printing

Before printing via a direct USB connection, make sure that the printer supports PictBridge.

✐ Use a Reliable Power Source

When printing pictures via a direct USB connection, be sure the battery is fully charged. If in doubt, recharge the battery before printing or use the optional EH-62C AC adapter kit.

⊙ PictBridge

PictBridge is an industry standard for direct printing that ensures compatibility when different devices are connected.

More on Playback

3 Turn the camera and printer on

The lens will extend and the picture recorded most recently will be displayed after the opening screen.
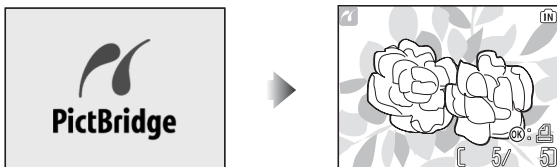
- Press � (**W**) or Q (**T**) to switch to thumbnail view.
- Press ⓚ to print only the displayed image (🐷74).

4 Display the PictBridge menu

Press the MENU button to display the PictBridge menu.

PictBridge
Print selection
Print all images
DPOF printing
Paper size
Cancel
ⓚ Confirm
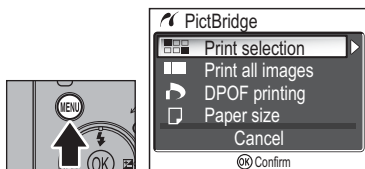
- Press the MENU button to return to the picture display.

Option	Description
Print selection	Select pictures and specify number of prints.
Print all images	All pictures in the memory or the memory card are printed.
DPOF printing	Pictures for which print order has been created are printed accordingly (🐷75).
Paper size	The size of paper for printing can be set.

5 Confirm the settings on the printer

Before printing, confirm the settings on the printer by following the instructions supplied with the printer. Be sure to perform the paper settings before selecting **Print selection**, **Print all images**, or **DPOF printing**.

To Set the Size of Paper on the Camera

When printing according to the size of paper that can be set on the camera, select the **Paper size** option in the **PictBridge** dialog.
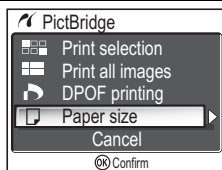
1	**2**
PictBridge Print selection Print all images DPOF printing Paper size Cancel ⑩ Confirm	**PAPER SIZE** 1/2 Default 3.5" × 5" 5" × 7" Postcard 100mm × 150mm ⑩ Confirm
Highlight **Paper size** and press ⑩.	Select size of paper and press ⑩. • Select **Default** to print according to the paper settings of the printer. • Following size options can be selected: **3.5" × 5"** (89mm × 127mm), **5" × 7"** (127mm × 178mm), **Postcard**, **100mm × 150mm** (3.9 in. × 5.9 in.), **4" × 6"** (102mm × 152mm), **8" × 10"** (203mm × 254mm), **Letter** (8.5 in. × 11 in., 216mm × 279mm), **A3** (11.7 in. × 16.5 in., 297mm × 420mm), **A4** (8.3 in. × 11.7 in., 210mm × 297mm) Selectable size options may vary depending on the printer.
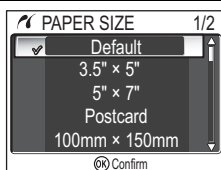
6 Select pictures to print
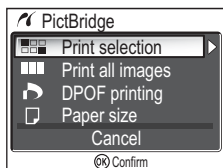
1	⋌ PictBridge **▣▣▣ Print selection** ▶ ▦ Print all images 🢔 DPOF printing 🗋 Paper size 　　　Cancel 🞔 Confirm	**2**	⋌ PRINT SELECTION 2005 .12 .01 12:00　　　[　4/　5] **MENU** Back　🞔 Confirm
Highlight **Print selection** and press 🞔. • To print one copy of all pictures in the memory or on the memory card, highlight **Print all images** and press 🞔.		Scroll through pictures.	
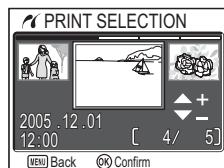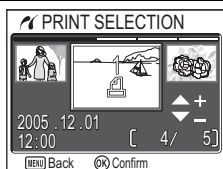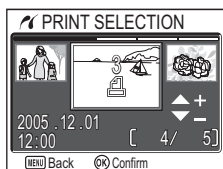
3	⋌ PRINT SELECTION 2005 .12 .01 12:00　　　[　4/　5] **MENU** Back　🞔 Confirm	Select current picture. 1 (number of prints) and 凸 icon are marked on the selected picture.
4	⋌ PRINT SELECTION 2005 .12 .01 12:00　　　[　4/　5] **MENU** Back　🞔 Confirm	Use multi selector up (+) or down (–) to specify number of prints (up to 9). • To deselect picture, press multi selector down (–) when number of prints is 1. • Repeat steps 2 to 4 to select additional pictures.
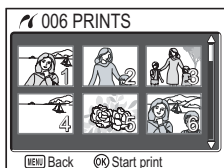
More on Playback

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5

006 PRINTS

MENU Back   OK Start print

View selected pictures. Press multi selector up or down to view pictures not visible in display.
• To return to the PRINT SELECTION screen, press **MENU** button.

6
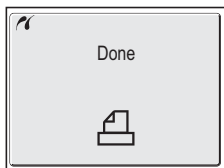
Printing
002/006

⌛

⊗Cancel

Start printing.
• To interrupt printing, press ⊗.

7

Done

Message shown on the left is displayed when printing is complete. Turn camera off and disconnect USB cable.
• To print continuously press ⊗. The display returns to the PictBridge dialog (🔲71).

Error Messages

If an error message is displayed, an error has occurred. After checking the printer and resolving any problems as directed in the printer manual, highlight **Resume** and press ⊗ to resume printing. Select **Cancel** to exit without printing the remaining images.

Resume may not be selected depending on the type of error. If this happens, select **Cancel**.

PRINTER ERROR
CHECK PRINTER
STATUS

Resume
Cancel
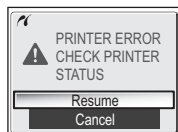
Printing Displayed Picture

Connect the camera to the printer. Press ⊗ with the picture displayed to display the Print menu. To print a single picture according to the printer paper size settings, press multi selector up or down to select **Start print** and press ⊗.
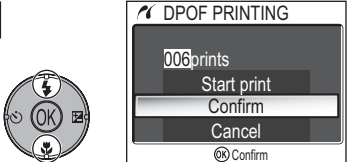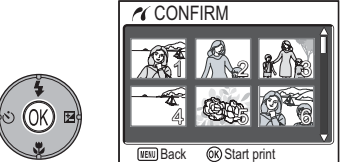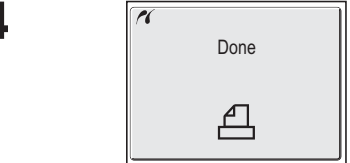
To change the number of prints or paper size, press multi selector up or down and select **Copies** or **Paper size**.

PRINT MENU

Start print
Copies
Paper size

OK Confirm
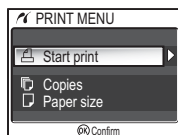
Directly Printing the Pictures Specified in a Print Set

The pictures stored in the memory or on the memory card are printed directly, according to the print order specified in **Print set** (🐾66).
If selecting **DPOF printing** in the **PictBridge** dialog (🐾71), the DPOF printing dialog will be displayed.

1	DPOF PRINTING 006prints Start print Confirm Cancel 🔘Confirm	**2**	CONFIRM MENU Back 🔘Start print
Highlight **Confirm**. • To start printing immediately, highlight **Start print** and press 🔘. • To exit without printing pictures, highlight **Cancel** and press 🔘.		View selected pictures. Press multi selector up or down to view pictures not visible in display. • To return to the DPOF PRINTING menu, press **MENU** button.	
3	Printing 002/006 ⏳ 🔘Cancel	Start printing. • To interrupt printing, press 🔘.	
4	Done 🖨	Message shown on the left is displayed when printing is complete. Turn camera off and disconnect USB cable. • To print continuously, press 🔘. The display returns to the PictBridge dialog (🐾71).	

More on Playback

DPOF Printing

- **DPOF printing** is only available if a print order has been created for the pictures stored in the memory or a memory card using **Print set**.
- When printing directly with a printer that supports PictBridge, shooting information cannot be printed even if **Info** is set in **Print set**.

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Picture Editing

Available Picture Editing

The COOLPIX P1/P2 can edit a picture using the following editing functions and store it as a separate file.
Edited copies are identified by identifiers corresponding to the editing function and file numbers assigned automatically by the camera (🔳25).

Editing function	Description	Purpose	Identifier
Crop	Crops part of a picture.	To enlarge a subject or retouch the composition.	RSCN
D-Lighting	Adjusts the picture tone automatically.	To brighten a picture which is dark due to backlight or insufficient flash light volume.	FSCN
Small Picture	Creates a small copy of the picture.	To display pictures on web pages, or send as e-mail attachment.	SSCN

Restrictions for Editing Pictures

The following restrictions apply when editing a picture the second time.

1st editing	2nd editing		
	Crop	**D-Lighting**	**Small Picture**
Crop	Not available*	Not available	Not available
D-Lighting	Available	Not available	Available
Small Picture	Not available	Not available	Not available

* Attempting the second editing displays the message "IMAGE CANNOT BE SAVED" (🔳155).

🖉 Other Restrictions on Editing Pictures

- Pictures cannot be edited if **Image size** is set to [3:2], or if recorded with 🖳 **Ultra HS** or 🔳 **Intvl timer shooting**.
- Pictures cannot be trimmed if recorded with Panorama assist mode.
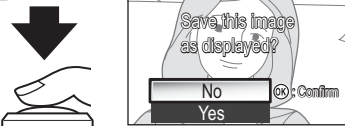
🖉 Notes on Picture Editing

- The COOLPIX P1/P2 editing functions may not be available for pictures taken with non-COOLPIX P1/P2 digital cameras.
- If a copy created using the COOLPIX P1/P2 is viewed on a different digital camera, the picture may not be displayed or may not be transferred to a computer.
- 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.
- Editing functions are not available when there is not enough free space in the memory or on the memory card.
- Edited copies are stored with the same recording date and time as the original.

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Cropping Pictures: Crop

When a picture is displayed in the Playback zoom mode (🔴57), you can crop part of a picture and save it as a separate file.

1

Zoom picture in and out.
Use multi selector to scroll picture until desired portion of image is displayed in monitor.

2

The confirmation dialog displayed. Press multi selector down to highlight **Yes**, and press ⓚ to create cropped copy.
• To exit without creating copy, highlight **No** and press ⓚ.

- Depending on the size of the original and the zoom ratio at the time the copy was created, copies will be ⌐8M 3,264 × 2,448 (COOLPIX P1 only), ⌐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, or □ 160 × 120 pixels in size.
- Cropped pictures are stored in JPEG format (compression ratio 1:8) as separate pictures from the original pictures.

Picture Editing

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Enhancing Contrast: D-Lighting

The tone adjusted picture is created automatically as a separate picture. Using D-Lighting, pictures that are backlit or have insufficient flash output can be adjusted to be brighter.
To enhance a picture, display the picture in Playback mode.

1

Highlight **D-Lighting** in the Playback menu.

D-Lighting

MENU Exit   OK Confirm   ? Help

2

D-Lighting
OK
Cancel   OK : Confirm
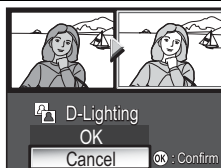
The tone adjusted picture is displayed.
• The original picture is displayed in top left corner of the monitor and the adjusted picture is displayed in the top right corner.

3

D-Lighting
OK   OK : Confirm
Cancel
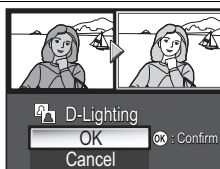
Highlight **OK**.
• Select **Cancel** to exit.

4

2005.12.01   100NIKON
12:00   0002.JPG

8M NORM   2/ 2
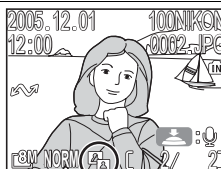
Save adjustments.
• D-Lighting icon is displayed on pictures created with D-Lighting.

Picture Editing

🔲 Creating a Smaller Picture: Small Pic.

To create a small copy of a picture, select **Small pic.** after displaying the image in Full-screen playback mode. The following resize options are available:

Size (pixels)	Description
🔲 **640 × 480**	Copy can be displayed full-screen on television or 13 in. monitor with no drop in quality.
🔲 **320 × 240**	Suited to display on web pages. Small file size reduces time needed to display picture in web browser.
🔲 **160 × 120**	Copy can be sent and received quickly as e-mail attachment. Where application supports display of JPEG images, picture can be viewed in message window.

1

Small pic.

[MENU] Exit   (OK) Confirm   (?) Help
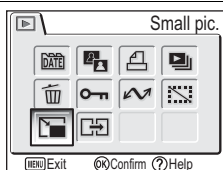
Highlight **Small pic.** in the playback menu and press ⊛.

2

🔲 SMALL PIC
🔲 640 × 480
🔲 320 × 240
🔲 160 × 120

[MENU] Exit   (OK) Confirm
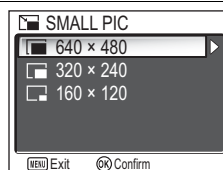
Highlight the picture size.

3

🔲 Create small picture file?

No   (OK): Confirm
Yes
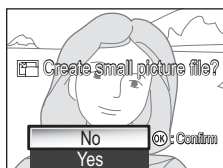
Confirmation dialog displayed.
Highlight **Yes** and press ⊛ to copy the picture.

- Highlight **No** and press ⊛ to exit without creating copy.

Picture Editing

🖉 Notes on Small Picture

- Copies are stored on the memory as BASIC-quality JPEG files (compression ratio 1:16).
- Small pictures cannot be zoomed.

Movies

▶️ Recording Movies

Movies will be recorded with sound recorded via the camera's built-in microphone. To record a movie:
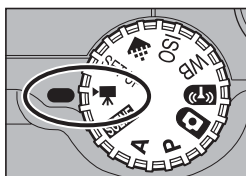
	1 Rotate the mode dial to ▶️
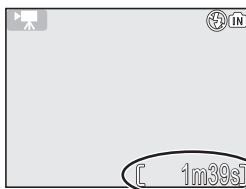
	2 Turn the camera on The monitor shows the available recording time.
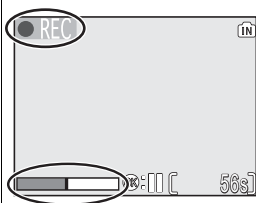
	3 Start recording Press the shutter-release button all the way down to start recording. • Camera focuses on subject in the center of the frame (🐾84). • During recording, ●REC icon blinks and progress will be shown by the indicator at the bottom of the monitor. • Press ⓚ to pause recording. Press ⓚ again to resume recording. • To finish recording, press the shutter-release button again. • Recording will end automatically when no more space is available in the memory or on the memory card.

☑ Notes on Movies

- Depending on the make of memory card used, recording may end before the memory card is full. If this happens, "OUT OF MEMORY" will be displayed, but the incomplete recording is stored as a movie.
- During recording, do not touch the built-in microphone.
- In the Movie shooting mode, the following options will be fixed:
  - Flash mode (🐾27) is ⚡ Flash Cancel when not recording Time-lapse movie.
  - Self-timer (🐾30) is **Off**.
  - **White balance** (🐾52) is A·WB **Auto**.
  - **Metering** (🐾88) is ▦ **Matrix**.
- While recording a movie, optical zoom is unavailable but digital zoom (up to ×2.0) is available. To use optical zoom, set before recording. When recording starts, optical zoom position is fixed.

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Movies

Selecting Movie Options

In Movie options, you can select the type of movie depending on how you plan to use the movie.

Option	Description	Max. recording time*1		
		Memory		Memory card
		About 32 MB (for P1)	About 16 MB (for P2)	256 MB
▶🎥TV **TV movie 640 ★**	Movies are recorded at 30 frames per second. Each frame is 640 × 480 pixels.	25 s	11 s	3 m 35 s*2
▶🎥TV **TV movie 640**	Movies are recorded at 15 frames per second. Each frame is 640 × 480 pixels.	50 s	22 s	7 m 15 s
▶🎥 **Small size 320** (default setting)	Movies are recorded at 15 frames per second. Each frame is 320 × 240 pixels.	1 m 39 s	45 s	14 m 15 s
▶🎥LP **Smaller size 160**	Movies are recorded at 15 frames per second. Each frame is 160 × 120 pixels. Small size allows longer movies to be recorded.	5 m 27 s	2 m 30 s	47 m 5 s
▶🎥 **Time-lapse movie**	Camera takes up to 1800 stills at specified intervals and joins them to create silent movie with frame rate of 30 frames per second and frame size of 640 × 480 (🖼83). Shoot flowers opening, a butterfly emerging from a cocoon, etc.	9.9 s (298 frames)	4.5 s (136 frames)	60 s (1800 frames)
▶🎥SE **Sepia movie 320**	Record sepia-toned movies at 5 frames per second and frame size of 320 × 240.	1 m 39 s	45 s	14 m 15 s
▶🎥BW **B/W movie 320**	Record black-and-white movies at 15 frames per second and frame size of 320 × 240.	1 m 39 s	45 s	14 m 15 s

*1 Approximate maximum total recording time for the memory card is indicated as a guide. Actual total recording time varies depending on the make of memory cards even when they have the same memory capacity.

*2 To prevent **TV movie 640 ★** from ending unexpectedly, use card rated for 10MB/s.

📝 Movies

Movies are recorded as QuickTime movie files with the extension ".MOV" and can be played back on a computer after transfer.

Movies

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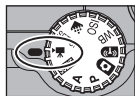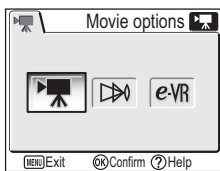
1 Rotate the mode dial to 🎥.	**2** Movie menu is displayed.* Movie options
3 Highlight **MOVIE OPTIONS**. Movie options MENU Exit ⓄⓀ Confirm ⑦ Help	**4** Options menu is displayed. MOVIE OPTIONS 1/2 TV movie 640 ★ TV movie 640 Small size 320 Smaller size 160 Time-lapse movie MENU Exit ⓄⓀ Confirm
5 Highlight movie type. • Press multi selector left to return to previous screen. MOVIE OPTIONS 1/2 TV movie 640 ★ TV movie 640 Small size 320 Smaller size 160 Time-lapse movie MENU Exit ⓄⓀ Confirm	**6** Exit menu. Selected option is set. Movie options MENU Exit ⓄⓀ Confirm ⑦ Help
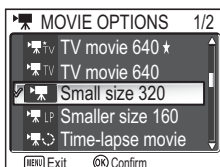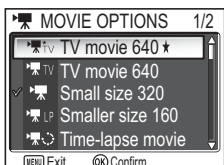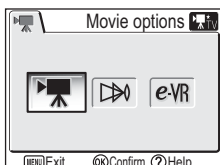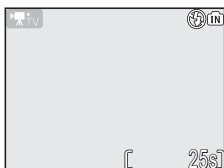
Movies

7   Return to Movie shooting screen.   25s

* The menu option set most recently appears selected.
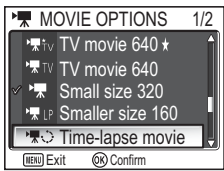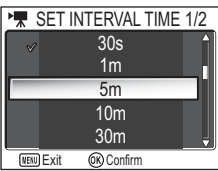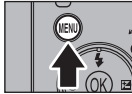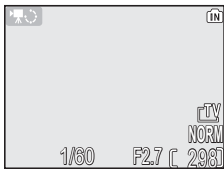
🔍 Movie Menu

Pressing the shutter-release button halfway in the Movie menu exits and returns to Movie shooting screen.

Recording a Time-Lapse Movie

Selecting **Time-lapse movie** from the MOVIE menu displays the menu shown in Step 2, below.

1	**MOVIE OPTIONS 1/2** TV movie 640 ★ TV movie 640 Small size 320 Smaller size 160 Time-lapse movie MENU Exit OK Confirm	**2**	**SET INTERVAL TIME 1/2** 30s 1m 5m 10m 30m MENU Exit OK Confirm
Highlight **Time-lapse movie** and press ⊗.		Choose interval between frames from **30 s** (thirty seconds), **1 m** (one minute), **5 m** (five minutes), **10 m** (ten minutes), **30 m** (thirty minutes), and **60 m** (sixty minutes). Press ⊗ to set and return to Movie menu.	

3	1/60 F2.7 298	Return to Movie shooting screen.

4	Start recording. Camera will take pictures at the specified interval until shutter-release button is pressed again, memory card is full, or 1800 frames have been recorded.

Movies

✐ Notes on Time-Lapse Movie

- If possible, use the optional EH-62C AC adapter when recording time-lapse movies.
- Take a test shot and view the results before beginning recording.

✐ Time-Lapse Movie

- To save power, the monitor turns off between frames. The display turns on automatically immediately before the camera takes the next shot.
- The file size of time lapse movies varies greatly depending on the option selected for image quality.
- Movies recorded at settings of **FINE** and **NORMAL** may seem slightly jerky when viewed on the camera but will play back normally when displayed on a computer.

Selecting Auto-Focus Mode

The Auto-focus mode for movie recording can be set. Select **Auto-focus mode** in the Movie menu, and choose from the following two modes.

Option	Description
S-AF **Single AF** (default setting)	Camera focuses when shutter-release button is pressed halfway. Focus locks when focus operation is complete.
C-AF **Continuous AF**	Camera adjusts focus continuously. To prevent the sound of the camera focusing from interfering with recording, select **Single AF**.

Setting Electronic VR

The vibration reduction for movie recording can be set. Select **Electronic VR** in the Movie menu, and select **On** or **Off**.

Option	Description
e-VR **On**	Reduces effects of camera shake.
VR **Off** (default setting)	Vibration reduction off.

Movies

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Viewing Movies

In Full-screen playback mode (■24), movies can be played with sound. Movies are indicated by 🎥 icon and can be viewed by pressing ⓞ. Playback controls are displayed at the top of the monitor; press multi selector right or left to highlight a control, then press ⓞ to perform the selected operation.
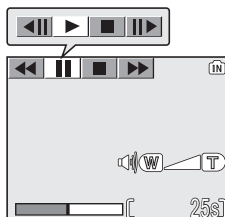
Control	Button	Description
Rewind	◀◀	While movie is in progress, use multi selector to select ◀◀, then press and hold ⓞ.
Advance	▶▶	Use multi selector to select ▶▶, then press and hold ⓞ. Playback ends at the last frame.
Pause	❙❙	Use multi selector to select ❙❙, then press ⓞ to pause display.
Rewind movie by one frame	◀❙❙	When movie is paused, use multi selector to select ◀❙❙, then press ⓞ.
Advance movie by one frame	❙❙▶	When movie is paused, use multi selector to select ❙❙▶, then press ⓞ.
Resume	▶	When movie is paused, use multi selector to select ▶, then press ⓞ.
Stop	■	Use multi selector to select ■, then press ⓞ to return to playback mode.

Movies

🔍 Playback Volume

The zoom buttons control volume during playback (except playing a Time-lapse movie). Press the ■ (**W**) button to decrease volume, the 🔍 (**T**) button to increase.

🔍 Deleting Movies

To delete a movie, press the 🗑 button. A confirmation dialog will be displayed; press multi selector up or down to highlight an option, then press ⓞ.
• **Yes** : delete the movie and return to playback mode
• **No** : exit to playback mode without deleting the movie

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Using the Shooting Menu

Rotate the mode dial to **P** or **A** (🖥6) to use the Shooting menu.
The Shooting menu contains the following options:

Option	Description	🖥
White balance	Match white balance to your light source.	52
Metering	Select a metering method from **Matrix**, **Center-weighted**, **Spot**, and **Spot AF area**.	88
Continuous	Shooting method from seven options, such as 🖂 **Single**, 🔳 **Continuous H**, 🔳 **5 shot buffer**, and 🔳 **Multi-shot 16**.	89
BSS	Turn the Best Shot Selector (BSS) on or off.	92
Auto bracketing	Allow continuous shooting with gradually changing exposure or white balance.	93
Flash exp. comp.	Set flash output.	94
Image adjustment	Adjust contrast of pictures.	94
Image sharpening	Control how much outlines in your pictures are sharpened.	95
Saturation control	Adjust vividness of the color of a picture.	96
Sensitivity	Help exposure compensation and minimize blur when lighting is poor and the flash is off.	50
Image quality	Select image quality.	47
Image size	Select an image size to fit display size or print size.	47
AF area mode	Select an area to be focused from **Auto**, **Manual** and **Center**.	97
Auto-focus mode	Select an Auto-focus mode between **Single AF** and **Continuous AF**.	100
Fixed aperture	Maintain aperture when camera is zoomed in or out.	100
Noise reduction	Reduce mottling contained in a picture taken at low shutter speed.	101
Reset	Reset **User setting**.	102
User setting	Store two sets of camera settings.	103
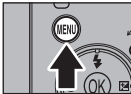
The Shooting Menu

To display the Shooting menu:

1	Rotate the mode dial to **P** or **A**.	**2**	Shooting menu is displayed.*

1 Rotate the mode dial to **P** or **A**.

2
White balance AWB
WB ☑ ☐ BSS BKT
🔆 ◑ ◇ ⊛ ISO
⠿ ⠿ 🔲 ☒ 🔳
NR ⁄ 🔲
MENU Exit   OK Confirm ? Help

Shooting menu is displayed.*

3
Metering ☑
WB ☑ ☐ BSS BKT
🔆 ◑ ◇ ⊛ ISO
⠿ ⠿ 🔲 ☒ 🔳
NR ⁄ 🔲
MENU Exit   OK Confirm ? Help

Highlight menu option.

4
☑ METERING
☑ Matrix
☑ Center-weighted
☐ Spot
🔲 Spot AF area
MENU Exit   OK Confirm

Setting screen for selected option is displayed.

5
☑ METERING
☑ Matrix
☑ Center-weighted
☐ Spot
🔲 Spot AF area
MENU Exit   OK Confirm

Highlight option. Pressing ⊛ selects option and returns to previous screen.
• To exit without changing settings, press MENU.

6
Return to Shooting screen.

* The menu option set most recently appears selected.

The Shooting Menu

🔍 Shooting Menu

Pressing the shutter-release button halfway in the Shooting menu exits and returns to Shooting screen.

🔘 Metering

Rotate the mode dial to **P** or **A** and press the MENU button to select **Metering**, and then press ⓚ.
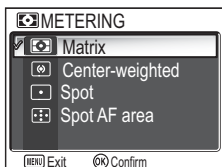
The Metering menu offers a choice of four metering methods for determining how the camera sets exposure.

🔘 METERING
✔ 🔘 Matrix
  ◉ Center-weighted
  ⊡ Spot
  ⊞ Spot AF area

MENU Exit   ⓚ Confirm

Option	Description
🔘 **Matrix** (default setting)	Compares measurements from multi areas of frame with library of typical compositions to produce optimal exposure for entire image. Best choice in most situations.
◉ **Center-weighted**	Use for portraits; adjusts exposure according to lighting at the center of the frame, but still preserves background details. Can be used with AF lock (🖪98) to meter off-center subjects.
⊡ **Spot**	Camera measures light in area shown by circle in center of monitor. Ensures that subject in metering target will be correctly exposed even when background is much brighter or darker. Can be used with AF lock (🖪98) to meter off-center subjects.
⊞ **Spot AF area**	Links spot metering to active focus area when auto or manual focus area selection is in effect (🖪97).

✐ Notes on Metering

When the digital zoom is in effect, the camera automatically switches to the setting just like **Center-weighted**. The metering target does not appear.

🔍 Metering

When ◉ **Center-weighted** or ⊡ **Spot** is selected, the metering target is displayed in the center of the monitor.
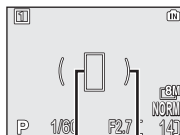
Spot metering target
Center-weighted metering target

The Shooting Menu

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<img> Continuous

Rotate the mode dial to **P** or **A** and press the MENU button to select **Continuous**, and then press ⊛.

<img> CONTINUOUS   1/2
<img> Single
<img> Continuous H
<img> Continuous L
<img> Multi-shot 16
<img> Ultra HS
MENU Exit   ⊛ Confirm

Depending on the shooting condition, <img> **Single** or six continuous options can be selected.

Option	Description
<img> **Single** (default setting)	Camera takes one picture each time shutter-release button is pressed.
<img> **Continuous H** (for P1)	While shutter-release button is pressed, camera records up to 5 pictures at up to 2.3 frames per second.
<img> **Continuous L** (for P1)	While shutter-release button is pressed, camera records up to 19 pictures at up to 2.0 frames per second.
<img> **Continuous** (for P2)	While shutter-release button is pressed, camera records up to 11 pictures at up to 2.5 frames per second.
<img> **Multi-shot 16**	Each time shutter-release button is pressed down, camera takes 16 consecutive shots at rate of about 1.7 frames (for P1)/2.0 frames (for P2) per second. Camera arranges pictures in four rows to form a single picture measuring $3,264 \times 2,448$ pixels (for P1) or $2,592 \times 1,944$ pixels (for P2).
<img> **Ultra HS**	While shutter-release button is pressed, camera records up to 100 pictures (for P1) or 40 pictures (for P2) at up to 30 frames per second. **Image quality** is automatically set to **NORMAL** and **Image size** to <img> **640 × 480**. With each sequence, camera creates new folder in which all photos in sequence are stored. Folder name consists of "N_" followed by three-digit sequence number assigned automatically by camera. Exposure count is shown in shooting display.

The Shooting Menu

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Option	Description
🔂 **5 shot buffer**	While shutter-release button is pressed and held, pictures can be recorded at rate of up to about 1 frame (for P1)/1.2 frames (for P2) per second. When the shutter button is released, continuous shooting will stop. Only the last five images taken during each continuous shooting burst will be recorded to the memory or memory card.
📷 **Intvl timer shooting**	Camera takes pictures automatically at a specified interval. See "Interval Timer Shooting" (🔳91).

The Shooting Menu

✐ Other Camera Settings

- Settings other than **S Single** cannot be used in combination with **BSS** (🔳92), **BKT Auto bracketing** (🔳93) or **WB WB bracketing**. The latest setting is used and the earlier setting is canceled.
- **Noise reduction** (🔳101) has no effect even if this option is set to **On**.
- With **Continuous H**, **Continuous L**, **Multi-shot 16**, **Ultra HS**, and **5 shot buffer**, settings for focus, exposure, and white balance are determined by the first picture in each series. Flash is automatically set to Flash Cancel ⊛.
- Digital zoom (🔳21) cannot be used at settings of **Multi-shot 16** or **Ultra HS**.
- When using the self-timer, **S Single** is automatically set. The settings will return to the original after an image has been taken using the self-timer.

✐ Ultra HS

- During shooting, progress is shown by the zoom indicator in the monitor, from **S** (start) to **E** (end). To interrupt shooting before one hundred pictures have been recorded, lift your finger from the shutter-release button.
- During shooting, pressing the 🗑 button while the ⧗ icon appears displays the delete confirmation dialog. From this screen, you can delete all the pictures in the same folder as the picture you are deleting.

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Interval Timer shooting

1

☐ CONTINUOUS   2/2
🖽 5 shot buffer
⏱ Intvl timer shooting

MENU Exit   ⓞⓀ Confirm
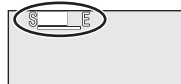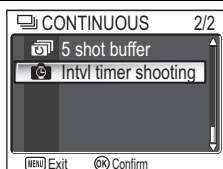
Highlight **Intvl timer shooting** and press ⓞⓀ.

2

☐ SET INTERVAL TIME 1/2
        ✓   30s
               1m
               5m
               10m
               30m

MENU Exit   ⓞⓀ Confirm
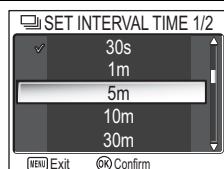
Choose interval between pictures from **30 s** (30 seconds), **1 m** (1 minute), **5 m** (5 minutes), **10 m** (10 minutes), **30 m** (30 minutes), and **60 m** (60 minutes).
Press ⓞⓀ to set and return to Shooting menu.

3
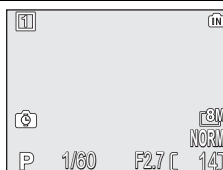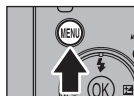
Return to shooting mode.

4

Start recording. Camera will take pictures at a specified interval until shutter-release button is pressed again, memory or memory card is full, or 1800 frames have been recorded.

✏ Notes on Interval Timer shooting

- To prevent shooting from ending unexpectedly, use the optional EH-62C AC adapter for interval timer shooting.
- Because the same settings are fixed during Interval timer shooting, set Continuous mode to **S Single** and take a picture to confirm that settings are correct. After this, take pictures with Interval timer shooting.

✏ During Recording

- To save power, the monitor turns off between pictures. The display turns on automatically immediately before the camera takes the next shot.
- Full screen review is not available during interval timer shooting.

The Shooting Menu

BSS Best Shot Selector

Rotate the mode dial to **P** or **A** and press the MENU button to select **BSS**, and then press ⊛.

BSS BEST SHOT SELECTOR
✓ BSS Off
BSS On
MENU Exit   ⊛ Confirm
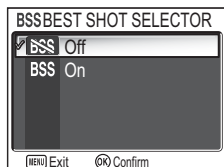
When the "Best Shot Selector" (BSS) is on, the camera takes a maximum of ten pictures as long as the shutter-release button is held down. These images are then compared and the sharpest picture (the picture with highest level of detail) is saved to the memory or memory card. BSS is recommended for situations in which inadvertent camera movement can produce blurred pictures, for example when:

- the camera is zoomed in
- the camera is in Macro close-up mode
- lighting is poor and the flash cannot be used

Option	Description
BSS **Off** (default setting)	BSS off; camera functions normally.
BSS **On**	BSS on. Flash mode set to ⊛ automatically and focus, exposure, and white balance for all photos are determined by the first picture in each series.

✐ Notes on BSS

BSS may not produce the desired results with a moving subject or if you change the composition while the shutter-release button is pressed all the way down.

✐ Restrictions on BSS

- Cannot be used with **BKT Auto bracketing**, **WB WB bracketing** (🖬93), self timer (🖬30) or **Continuous** settings other than **S Single** (🖬89). The latest setting is used and the earlier setting is canceled.
- **Noise reduction** (🖬101) has no effect even if this option is set to **On**.

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BKT Auto Bracketing

Rotate the mode dial to **P** or **A** and press the MENU button to select **Auto bracketing**, and then press ®.

BKT AUTO BRACKETING
- ☒ Off
- **BKT** Auto bracketing
- ☒ WB bracketing

MENU Exit   ® Confirm
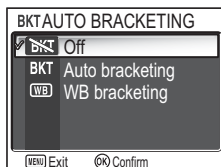
In some situations, you may find it difficult to select appropriate Exposure compensation and **White balance** settings, and yet not have time to check the results and adjust settings after each shot. Auto bracketing can be used to vary these settings automatically over a series of pictures, "bracketing" a selected exposure compensation or white balance setting.

Option	Description
☒ **Off** (default setting)	Restores normal exposure and white balance.
BKT Auto bracketing	Each time the shutter-release button is fully pressed, the camera takes three shots, one shot with the current exposure, and two shots varying the exposure by values of +0.5 and -0.5 compensation.
☒ **WB bracketing**	The camera records three shots each time shutter-release button is fully pressed, bracketing current white balance setting to produce one picture with normal white balance, one picture with bluish cast, and one picture with reddish cast. Recording time roughly triples.

When Auto Bracketing is set

• The Flash mode is set to ⊕.

Restrictions on Auto Bracketing and WB Bracketing

• Cannot be used with **Continuous** settings other than ☒ **Single** (🐾89), or **BSS** (🐾92). The latest setting is used and the earlier setting is canceled.
• **Noise reduction** (🐾101) has no effect even if this option is set to **On**.
• While **White balance** (🐾52) is set to **White bal. preset**, ☒ **WB bracketing** cannot be used for shooting.
• If the space in the memory or on the memory card is capable of storing only a few images, only that number of images will be stored.

Exposure Compensation

When Exposure compensation (🐾33) and **BKT Auto bracketing** are set simultaneously, exposure will be compensated at the sum of both compensation values.

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right-margin vertical text
The Shooting Menu

⚡️± Flash Exp. Comp.

Rotate the mode dial to **P** or **A** and press the MENU button to select **Flash Exp. Comp.**, and then press ⊛.

This option is used to adjust flash output by -2.0EV to +2.0EV in increments of 1/3EV.
Highlight desired value and press ⊛.

⚡️±FLASH EXPOSURE COMP.
+0.3
▲
0 ✓
▼
-0.3

MENU Exit   ⊛ Confirm
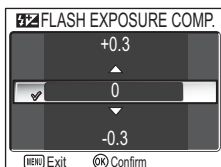
◑ Image Adjustment

Rotate mode dial to **P** or **A** and press MENU button to select **Image adjustment**, and then press ⊛.

Image adjustment is used to adjust contrast automatically for optimal results before recording pictures to the memory or the memory card.

◑ IMAGE ADJUSTMENT
✓ A◑ Auto
○ Normal
◑+ More contrast
◑- Less contrast

MENU Exit   ⊛ Confirm
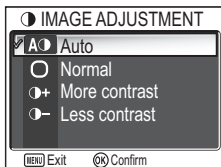
Option	Description
A◑ **Auto** (default setting)	Camera automatically adjusts contrast according to shooting conditions.
○ **Normal**	Camera performs same standard contrast adjustment on all pictures. Suitable for a wide variety of scenes, from dark to bright.
◑+ **More contrast**	Picture processed to emphasize difference between light and dark areas, enhancing contrast. Useful when shooting under overcast skies or shooting low contrast subjects such as landscapes.
◑- **Less contrast**	Picture processed to decrease difference between light and dark areas, reducing contrast. Recommended when light is very bright, creating strong shadows on subject.

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◆ Image Sharpening

Rotate the mode dial to **P** or **A** and press the **MENU** button to select **Image sharpening,** and then press ⊛.

The camera automatically processes pictures to emphasize the borders between light and dark areas of the picture, making edges seem sharper.
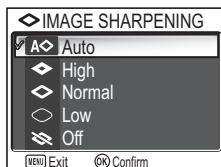
Option	Description
A◆ **Auto** (default setting)	Camera sharpens edges for optimal results; amount of sharpening varies from shot to shot.
◆ **High**	Pictures processed to increase sharpness, making edges more distinct.
◆ **Normal**	Camera performs same standard level of sharpening on all images.
◇ **Low**	Sharpening reduced below normal level.
❧ **Off**	No sharpening performed. Suitable for pictures that will later be retouched on a computer.

The Shooting Menu

✐ Image Sharpening Effects

Cannot be previewed in the monitor. You can view the results in the playback mode.

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⑧ Saturation Control

Rotate the mode dial to **P** or **A** and press the MENU button to select **Saturation control**, and then press ⑥.

This option is used to heighten or reduce the vividness of colors.

⑧ SATURATION CONTROL
⑧+2 Maximum
⑧+1 Enhanced
✓ ⑧±0 Normal
⑧−1 Moderate
⑧−2 Minimum
MENU Exit　　⑥ Confirm
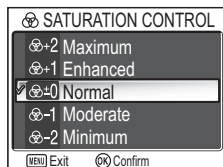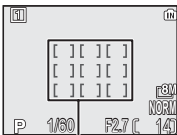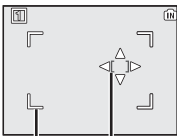
Option	Description
⑧+2 **Maximum**	Use for vivid, photoprint effect when taking pictures that will be printed "as is," without further modification.
⑧+1 **Enhanced**	
⑧±0 **Normal** (default setting)	Best choice in most situations.
⑧−1 **Moderate**	Use when taking pictures that will later be retouched on a computer.
⑧−2 **Minimum**	

The Shooting Menu

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[+] AF Area Mode

Rotate the mode dial to **P** or **A** and press the MENU button to select **AF area mode**, and then press ⊛.

This option is used to determine how the focus area is selected.

[+] AF AREA MODE
- ✓ ▣ Auto
- [ᴘ] Manual
- ▣ Center

MENU Exit ⊛ Confirm

Option	Description	
▣ **Auto** (default setting)	Camera automatically selects focus area containing subject closest to camera. Selected focus area is displayed in green (focused) or red (not focused) when shutter-release button is pressed halfway. This setting is useful when your subject is moving or you have little time to check focus.	Focus area
[ᴘ] **Manual**	User selects an area from 99 focus areas manually using multi selector. This option can be used instead of AF lock (🖐98) to focus on a relatively motionless subject that is not at the center of the frame. For more information see "Using [ᴘ] Manual Option" (🖐99).	Focus area Selectable area
[▪] **Center**	Center focus area is used. This option can be used in combination with AF lock (🖐98) to focus on off-center subjects.	Focus area

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- When the subject is in focus, focus area will be displayed in green.
- When the subject is out of focus, focus area will blink in red.
- When **AF area mode** is [▣] **Auto**, focus area will be displayed when the shutter-release button is pressed halfway.

 Notes on Focus Area Selection

- In Scene mode (🖳34), the camera automatically selects optimal focus area for the selected mode.
- In Movie mode, camera automatically focuses on the subject using the center focus area. **AF area mode** cannot be used.
- While digital zoom (🖳20) is in effect, the center focus area is used. **AF area mode** cannot be used.

 AF Lock

Focus and exposure are locked when the shutter-release button is pressed halfway, and remain locked while the Shutter-release button is held in this position (AF lock). AF lock can be used to take pictures of off-center subjects or in situations in which the camera is unable to focus using autofocus (🖳23).

Procedures for AF lock are described below. In this example, **AF area mode** (🖳97) is set to [▣] **Center**.
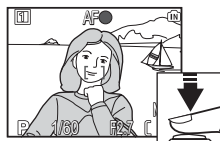
1   Focus
    Position the subject in the center of the frame in the monitor and press the shutter-release button halfway.

2   Check the focus indicator
    When the subject is in focus, the focus indicator on the monitor is lit. Focus area shows green on the monitor.
    • Focus and exposure will remain locked while the shutter-release button is pressed halfway.
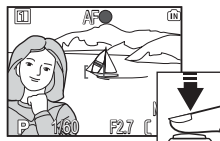
3   Recompose the picture
    Keeping the shutter-release button pressed halfway, recompose your picture. Do not change the distance between the camera and your subject while AF lock is in effect. If your subject moves, remove your finger from the shutter-release button and focus again at the new distance.
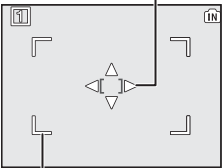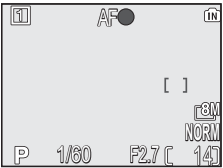
4   Take the picture
    Press the shutter-release button the rest of the way down to shoot.

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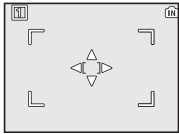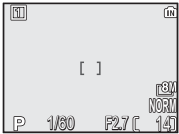
Using [ ] Manual Option

Focus area can be specified from the selectable area in the screen.

1

Focus area selection guide

Selectable area

Select **Manual** in **AF area mode**.
Focus area selection guide and selectable area are displayed.

2

Move focus area so that your subject is positioned in it in your composition.
• You can move focus area to the directions displayed.

3

Press shutter-release button halfway.
When subject is in focus, focus area is displayed in green. Press shutter-release button the rest of the way down to shoot.

Notes on Shooting in [ ] Manual

Flash mode (🔲27), Exposure comp. (🔲33), Focus mode (🔲31), and Self-timer mode (🔲30) cannot be set while the focus area selection guide and selectable area are displayed. Press ⓘ to hide the focus area selection guide before adjusting these settings. To change focus area, press ⓘ again after making setting for them.

When the guide and selectable area are displayed

When the guide and selectable area are hidden

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Z Auto-focus Mode

Rotate the mode dial to **P** or **A** and press the MENU button to select **Auto-focus mode,** and then press ⊗.

This option is used to determine how the camera focuses when shooting still pictures.

Z AUTO-FOCUS MODE
S-AF Single AF
C-AF Continuous AF

MENU Exit   ⊗ Confirm
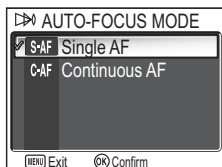
Option	Description
S-AF Single AF (default setting)	Camera focuses only when shutter-release button is pressed halfway.
C-AF Continuous AF	Camera adjusts focus continuously until shutter-release button is pressed halfway, minimizing time needed to focus before picture is taken.

Confirming Focus

Regardless of the option chosen, pictures can be taken even when the camera is not in focus; check the focus area or focus indicator before shooting.

Av Fixed Aperture

Rotate the mode dial to **P** or **A** and press the MENU button to select **Fixed aperture**, and then press ⊗.

This option is used to control whether aperture varies with zoom position.

Av FIXED APERTURE
Off
On

MENU Exit   ⊗ Confirm
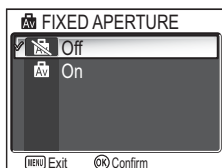
Option	Description
Off (default setting)	Aperture changes with zoom position.
On	Aperture is kept as close as possible to selected f/-number. To prevent selected f/-number from exceeding exposure range at new zoom position, choose aperture of around f/5 to f/7.3.

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The Shooting Menu

NR Noise Reduction

Rotate the mode dial to **P** or **A** and press the MENU button to select **Noise reduction**, and then press ⊛.
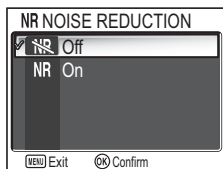
At shutter speeds slower than 1/4 second, "noise" in the form of randomly-spaced, brightly-colored pixels may appear in pictures, particularly in shadows. When you take pictures in dark places, this option is used to reduce "noise" at slow shutter speeds.

NR NOISE REDUCTION
✔ 🕱 Off
NR On

MENU Exit   ⊛ Confirm

Option	Description
🕱 **Off** (default setting)	Noise reduction off; camera functions normally.
NR **On**	Noise reduction takes effect at slow shutter speeds which cause "noise." Time required to save pictures in the memory or on the memory card more than usual.

The Shooting Menu

🖉 Restrictions on Noise Reduction

Cannot be used with **BKT Auto bracketing**, 🔲 **WB bracketing** (🐾93), **BSS** (🐾92) or **Continuous** settings other than 🅂 **Single** (🐾89) even if this option is set to **On**.

🖉 ISO Sensitivity

When raising ISO sensitivity (🐾50), "noise" may appear in a picture.
In this case, "noise" in pictures taken at slow shutter speeds will be reduced automatically when **Noise reduction** is **On**.

⟋ Reset

Rotate the mode dial to **P** or **A** and press the MENU button to select **Reset**, and then press ⓘ.

This option is used to restore settings for the current User setting bank (🔲103) to their original state.

⟋ RESET

Confirm reset of
user settings 1
to default values.

No
Reset

⑥ Confirm
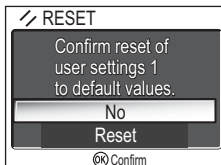
Option	Description
No	Exit menu, leaving settings unchanged.
Reset	Restore settings to default values.

Choosing **Reset** restores the following options for the current User setting bank to their default values. Settings in the other bank are unaffected.

Basic settings	Default
Flash mode	Auto
Exposure comp.	±0
Focus mode	Autofocus
Self-timer	Off

Mode dial settings	Default
Image Mode[*1]	
Image quality	NORMAL
Image size	⌐**8M** (for P1) ⌐**5M** (for P2)
Sensitivity	Auto
White balance[*2]	Auto

Menu options	Default
Metering	Matrix
Continuous	Single
BSS	Off
Auto bracketing	Off
Flash exp. comp.	±0
Image adjustment	Auto
Image sharpening	Auto
Saturation control	Normal
AF area mode	Auto
Auto-focus mode	Single AF
Fixed aperture	Off
Noise reduction	Off

[*1] Settings are restored regardless of User setting.

[*2] Slightly adjusted values are also reset.

CSM User Setting

Rotate the mode dial to **P** or **A** and press the MENU button to select **User setting**, and then press ⊛.

When **User setting 1** is selected

Camera settings can be stored in two separate "banks," Bank 1 and Bank 2. By default, changes to camera settings are stored in Bank 1. To store another combination of frequently-used settings, select Bank 2 and adjust settings as desired. To switch from one combination of settings to the other, select the desired bank in the **User setting** menu.

To select a User settings bank:

1

User setting
WB	⊡	⊟	BSS	BKT
⊞	◐	◇	⊛	ISO
⊞	⊞	[+]	⊳	Av
NR	⁄⁄	CSM		

MENU Exit   ⊛Confirm   ⑦Help

Highlight **User setting** and press ⊛.

2

CSM USER SETTING

	PRE ⊡ ⊟ BSS
1	⊠ ⊞+2.0 A◐ A◇
2	⊛±0 A·ISO NORM 8M
	[■] S·AF 🚫 🔲

MENU Exit   ⊛Confirm

Highlight bank and press ⊛ to select bank and return to Shooting menu.
• Store items using button and Shooting menu.

User settings banks store the following settings:

Shooting menu options			
White balance*	Auto bracketing	Saturation control	AF area mode
Metering	Flash exp. comp.	Sensitivity	Auto-focus mode
Continuous	Image adjustment	Image quality	Fixed aperture
BSS	Image sharpening	Image size	Noise reduction

Other settings		
⚡ (Flash mode)	⊞ (Exposure compensation)	♣ (Focus mode)

* Any changes to preset white balance apply to both banks, regardless of the bank currently selected.

The Shooting Menu

103

Using the Playback Menu

The Playback menu contains the following options:

Option	Description	![icon]
List by date	Group pictures by date of recording. Perform five kinds of operations.	107
D-Lighting	Adjust the tone (brightness) of a picture and save a copy.	78
Print set	Select pictures for printing on a DPOF-compatible device; specify number of copies and information to be included on prints.	66
Slide show	View pictures in an automatic slide show.	109
Delete	Delete all or selected pictures.	111
Protect	Protect selected pictures from accidental deletion.	112
Transfer marking	Change transfer setting of the recorded pictures.	112
Hide image	Hide selected pictures when creating a slide show or showing pictures to an audience.	113
Small pic.	Create small copies of current picture.	79
Copy	Copy pictures from the memory to the memory card, or vice versa.	114

To display the Playback menu:

1
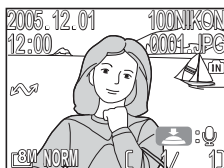
Press the ▶ button.
• Playback screen is displayed.

2
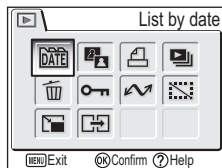
Press the **MENU** button to display the Playback menu.*
• Highlight menu option and press ⓞ.
• Press **MENU** to exit and return to Playback screen.

* The menu option set most recently appears selected.

Some options in the Playback menu contain the Picture selection screen and Choose date screen.

See "Navigating the Picture Selection Screen" (105), "Navigating the Choose Date Screen" (106), and the descriptions of the various menus starting from page 107 for more information.

Navigating the Picture Selection Screen

When **Print set** (66), **Delete** (111), **Protect** (112), **Transfer marking** (112), **Hide image** (113) or **Copy** (114) is used to select a picture, a Picture selection screen, such as the screen on the right, is displayed.

See "To use Print set:" (66) for more information on **Print set**.
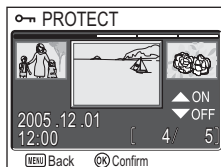
To select pictures:
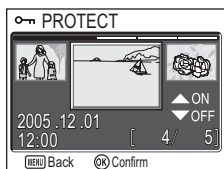
1 Highlight picture. • Selected picture appears in the center.	**2** Set picture. An icon corresponding to the function appears. • Repeat steps 1 and 2 for all pictures to select. • To cancel option, highlight pictures and press multi selector up or down to remove icon.
3	End selection and switch screens. • For **Protect**, **Transfer marking**, and **Hide image**, no further operations are required. • For **Delete** and **Copy**, a confirmation dialog is displayed. Select **Yes** and press to delete or copy.
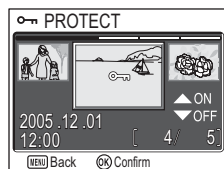
105

Navigating the Choose Date Screen

When **Choose date** is selected in **Print set** (🖼66), **Delete** (🖼111) or **Transfer marking** (🖼112), CHOOSE DATE screen, such as the screen on the right, is displayed. The same menu operation can be performed on all pictures recorded on the same date.

See "Setting Print Order by Day" (🖼68) for more information on **Print set**.

To select date of recording:

CHOOSE DATE
2005 .12 .01 [5]
2005 .11 .01 [3]
2005 .10 .01 [2]
images total [0]
Back   Confirm OFF ◄► ON
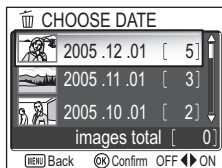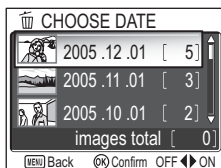
1	CHOOSE DATE 2005 .12 .01 [5] 2005 .11 .01 [3] 2005 .10 .01 [2] images total [0] Back Confirm OFF ◄► ON
Highlight dates. The screens show when **Choose date** is selected from the **Delete** option. • A thumbnail image of the first shot, the date of recording, and the number of images for that date are displayed.	
2	CHOOSE DATE 2005 .12 .01 [5] 2005 .11 .01 [3] 2005 .10 .01 [2] images total [5] Back Confirm OFF ◄► ON
Set date. An icon corresponding to the function appears. • Repeat steps 1 and 2 when setting other dates. • To cancel option, highlight dates and press left on the multi selector to remove icon.	
3	End selection and switch screens. • For **Transfer marking**, all pictures for selected date are set for transfer. • For **Delete**, a delete confirmation dialog is displayed. Select **Yes** and press to delete all pictures for selected date of recording.
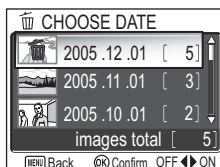
Pictures Displayed as Others

In the screen in step 1, pictures are grouped up to 30 days from the newest date of recording. Older pictures are grouped in the last item as **Others** and are treated as having the same date of recording.

When Using Choose Date

Because pictures that are hidden (🖼113) and pictures with no date set (🖼16, 118) are not grouped, the above operations cannot be performed. However, the above operations may be performed on pictures with no date set but shot with other cameras.
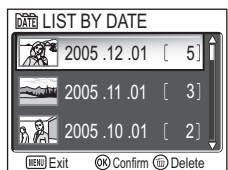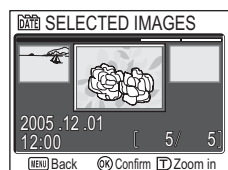
DATE List by Date

Press the MENU button in Playback mode to select **List by date**, and then press ⓞ.

This option is used to sort pictures in the memory or memory card by date of recording.
The following five options are available:
D-Lighting, **Print set**, **Delete**, **Transfer marking**, and **Small pic**.

To select pictures by date and activate the Playback menu:

1	2
DATE LIST BY DATE 2005 .12 .01 [5] 2005 .11 .01 [3] 2005 .10 .01 [2] MENU Exit ⓞ Confirm 🗑 Delete	DATE SELECTED IMAGES 2005 .12 .01 12:00 [5/ 5] MENU Back ⓞ Confirm T Zoom in
Highlight dates. • A thumbnail image of the first shot, the date of recording, and the number of images for that date are displayed. • Pressing 🗑 deletes all of the pictures from that date.	Display confirmation dialog. • Confirm pictures for that date. • Pressing Q (**T**) switches to Full-screen playback mode. Pressing 🔲 (**W**) returns to the confirmation dialog.

✎ Pictures Displayed as Others

In the screen in step 1, pictures are grouped up to 30 days from the newest date of recording. Older pictures are grouped in the last item as **Others** and are treated as having the same date of recording.

✎ When Using List by Date

Because pictures that are hidden (🖸113) and pictures with no date set (🖸16, 118) are not grouped, the above operations cannot be performed. However, the above operations may be performed on pictures with no date set but shot with other cameras.
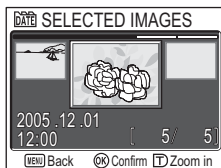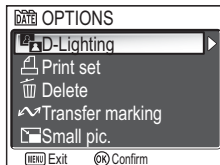
3 Highlight picture.	**DATE** SELECTED IMAGES 2005 .12 .01 12:00 5/ 5 [MENU] Back (OK) Confirm [T] Zoom in
4 Display OPTIONS screen. • Select operation for picture. • After switching to Full-screen playback mode in step 2, selecting a picture and pressing (OK) displays the OPTIONS screen.	**DATE** OPTIONS 🔆 D-Lighting ▶ 🖨 Print set 🗑 Delete ∿ Transfer marking 🖻 Small pic. [MENU] Exit (OK) Confirm
5 Highlight menu option.	**DATE** OPTIONS 🔆 D-Lighting 🖨 Print set ▶ 🗑 Delete ∿ Transfer marking 🖻 Small pic. [MENU] Exit (OK) Confirm
6 Display settings screen for the selected menu. • For more information on further operations, see "Enhancing Contrast: D-Lighting" (🐾78), "🖨 Print Set" (🐾66), "🗑 Delete" (🐾111), "∿ Transfer Marking" (🐾112), and "🖻 Creating a Smaller Picture: Small Pic." (🐾79).	🖨 PRINT SET 🖨 3 ▲ + ▼ − [MENU] Back (OK) Confirm
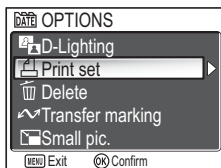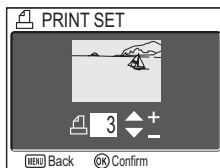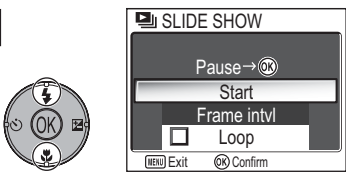
◨ Slide Show

Press the **MENU** button in Playback mode to select
Slide show, and then press ⓪.

This option is used to play pictures back in an automated "slide show" with two
seconds between each picture. Hidden pictures are not played back.
To change the display interval, highlight **Frame intvl** and press ⓪ to display the
FRAME INTVL screen (🔲110).
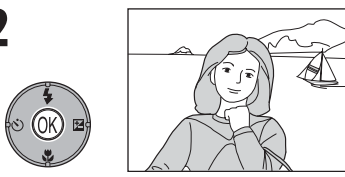
- Pictures are played back in the order they were recorded (smallest file number
  to largest file number).
- The maximum playback time for a slide show is 30 minutes.

1	◨ SLIDE SHOW Pause→⓪ Start Frame intvl ☐ Loop [MENU] Exit [⓪] Confirm	**2**	

Highlight **Start**.   Begin slide show.

The following operations can be performed during the show:

To	Press	Description
Pause		Pause slide show and menu will be displayed. Highlight **Restart** and press ⓪ to resume show. Highlight **Frame intvl** to change the display interval. The default setting is **3s**. Highlight **End** and press ⓪ to end show. Pause Restart Frame intvl End [MENU] Exit [⓪] Confirm
Skip to next frame		Skip to next slide. Hold it down to fast forward through show.
Return to previous frame		Return to previous slide. Hold it down to rewind through show.
End slide show	**MENU**	End slide show and return to Full-screen playback mode.
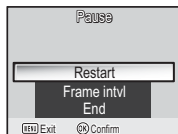
The Playback Menu

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✐ Images in the Memory

The pictures in the memory and on the memory card cannot be displayed simultaneously. To display pictures in the memory, select either of the following:
- Remove the memory card from the camera (🗏 13), and display pictures.
- Copy pictures stored in the memory to a memory card (🗏 114), and display the pictures.

✐ "Loop"

If **Loop** is selected in the starting screen, the slide show will repeat automatically. To select or deselect the loop option, highlight **Loop** and press ⑳. A check mark next to **Loop** indicates that the loop option is selected.

> 🖻 SLIDE SHOW
>
> Pause→⑳
> Start
> Frame intvl
> ☑ Loop
>
> MENU Exit   ⑳ Confirm
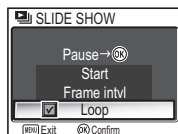
✐ Notes on the Slide Show

- If no operations are performed for 30 minutes after the slide show is started, the monitor will turn off with **Auto off**, and the camera will turn off after three minutes. (Camera will also turn off when **Loop** is set.)
- Movies are displayed as still images showing the movie's first frame.

Changing the Display Interval

The Slide show menu on the previous page and the pause dialog shown above contain a **Frame intvl** option for choosing how long each picture will be displayed. To change the display interval, highlight **Frame intvl** and press ⑳. The menu of interval settings shown at right will be displayed; highlight the desired setting and press ⑳.

> 🖻 FRAME INTVL
>
> 2s
> ✓ 3s
> 5s
> 10s
>
> MENU Exit   ⑳ Confirm
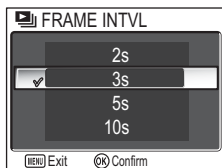
✐ Frame Interval

Due to differences in file size and the speed at which pictures can be read from the memory card, the actual interval may differ from the value selected.

110

🗑 Delete

Press the **MENU** button in Playback mode to select **Delete**, and then press ⊛.

This option is used to delete selected pictures or all pictures stored in the memory or on the memory card.

- When the memory card is not inserted in the camera, pictures stored in the memory are deleted.

🗑 DELETE
🗑 Erase selected images ▶
📅 Choose date
🗑 Erase all images

MENU Exit   OK Confirm

- When the memory card is inserted in the camera, pictures stored on the memory card are deleted.
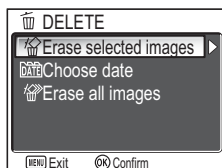
Option	Description
🗑 **Erase selected images**	Delete recorded pictures in the Picture selection screen (🔲105).
📅 **Choose date**	Delete selected pictures from same date of recording in CHOOSE DATE screen (🔲106).
🗑 **Erase all images**	Delete all pictures stored in the memory or on the memory card. • In the delete confirmation dialog, highlight **Yes** and press ⊛ to delete all pictures.

The Playback Menu

🖉 **Notes on Voice Memo**

Voice memo can be deleted with **Delete** in the Playback menu. To delete only the voice memo recorded to the picture, press 🗑 in Full-screen playback mode, Thumbnail playback mode, or Playback zoom mode (🔲58).

🖉 **Notes on Deletion**

- ***Once deleted, pictures cannot be recovered.*** If desired, transfer images to a computer before deletion.
- Pictures marked with a ⊶ icon are protected and cannot be deleted (🔲112).

111

O--n Protect

Press the **MENU** button in Playback mode to select **Protect**, and then press ⊗.
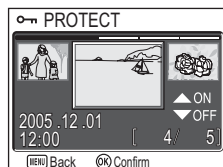
This option is used to protect pictures from accidental deletion.

O--n PROTECT

▲ ON
▼ OFF
2005 .12 .01
12:00   4/ 5
[MENU] Back   [OK] Confirm

🖉 Notes on Protecting Pictures

Protected pictures cannot be deleted using the 🗑 button or the **Delete** menu. However, all pictures, including protected files, will be deleted when the memory or the memory card is formatted (♥127).

✍ Transfer Marking

Press the **MENU** button in Playback mode to select **Transfer marking**, and then press ⊗.
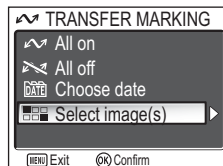
This option is used to mark stored pictures for transfer to a computer.

When you connect the camera to a computer via the UC-E6 USB cable or wireless LAN and press ⊗, only

pictures marked with a ✍ icon will be transferred (♥61, 144).

✍ TRANSFER MARKING
✍ All on
✍ All off
📅 Choose date
🔳 Select image(s) ▶
[MENU] Exit   [OK] Confirm

Option	Description
✍ **All on**	Mark all pictures in the memory or on the memory card for transfer.
✍ **All off**	Remove transfer marking from all pictures in the memory or on the memory card.
📅 **Choose date**	Add or remove the ✍ icon to all pictures from same date of recording in CHOOSE DATE screen (♥106).
🔳 **Select image(s)**	Add or remove the ✍ icon to pictures in the Picture selection screen (♥105).

The Playback Menu

🖉 **Notes on Transfer Marking**

- No more than 999 pictures can be marked for transfer. If the memory or the memory card contains more than 999 pictures, transfer all pictures using PictureProject. See the *Picture-Project Reference Manual* (on CD) for details.
- The COOLPIX P1/P2 cannot be used to transfer images selected for transfer with another model of Nikon digital camera. Use COOLPIX P1/P2 to reselect the pictures.
- As the default setting of the **Auto Transfer** option is **On** (🖼129), all pictures taken are set to be transferred and the ⤳ icon is added when displayed.

🖉 **The ⤳ Icon**

The selected pictures are indicated by a ⤳ icon in Playback mode.
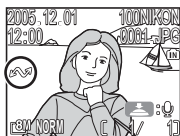
Full-screen playback   Thumbnail playback

🖾 **Hide Image**

> Press the **MENU** button in Playback mode to select **Hide image**, and then press ⓞ.

When creating a slide show or showing pictures to an audience, this option is used to hide selected pictures (🖼105).

🖾 HIDE IMAGE

▲ ON
▼ OFF

2005 .12 .01
12:00   [4 / 5]

MENU Back   OK Confirm
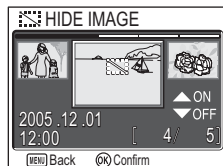
🖉 **Formatting Memory or Memory Cards**

Hidden pictures will be deleted if memory or memory card is formatted.

🖉 **"ALL IMAGES ARE HIDDEN"**

If all pictures in the current folder are hidden, the message "ALL IMAGES ARE HIDDEN" will be displayed in review and full-screen playback. Use **Hide image** to reveal some of the pictures in the current folder.

113

🔁 **Copy**

Press the **MENU** button in Playback mode to select **Copy**, and then press ⊗.
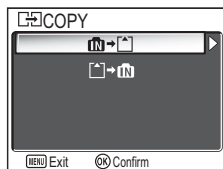
Copy stored pictures from the internal memory to the memory card, or vice versa. You can either choose pictures to copy, or copy all pictures.

🔁COPY

📷➡️📁
📁➡️📷

MENU Exit   ⊗ Confirm

Option	Description
📷➡️📁	Copy stored pictures from the memory to the memory card.
📁➡️📷	Copy stored pictures from the memory card to the memory.

🖉 Image Copy

- When **Selected images** is selected, 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 15 (DSCN0015.JPG), the copied pictures are assigned numbers starting from DSCN0033.
- When **All images** is selected, all folders in the memory or on the memory card are copied. The folder name has a new folder number assigned automatically by the camera (one is added to the maximum folder number in the destination memory). If a new folder is not created, an error message will be displayed and the copying is not executed.
- If the space in the destination memory is not enough for the copy, copying is canceled and an error message is displayed.
- The available file formats for copy are JPEG, MOV and WAV. You cannot copy an image file in other than these file formats.
- Copying of pictures taken with another make of camera or retouched on a computer is not guaranteed by Nikon.

🖉 Print Set, Transfer Marking, and Protect

If pictures set with **Print set** (📷66) or **Transfer marking** (📷112) are copied, settings are not copied. However, if pictures set with **Protect** (📷112) are copied, protect setting is copied and copied picture is protected.

114

Using the Set-up Menu

The Set-up menu contains the following options:

Option	Description	⚙
Menus	Choose a type of the camera menu.	116
Welcome screen	Choose the welcome screen to be displayed when the camera is turned on.	117
Date	Set the camera clock.	118
Monitor settings	Set display, brightness and hue of the monitor.	120
Date imprint	Imprint pictures with the date and/or time of recording.	122
Shot confirmation	If **On** is selected for this option, the self-timer lamp will light after shooting.	124
AF assist	Choose whether the AF-assist illuminator lights when the subject is poorly lit.	125
Sound settings	Set button sound and adjust volume of shutter and start-up sounds.	126
Auto off	Choose how long the monitor will remain on before turning off automatically to save power.	127
Format memory/card	Format the memory or the memory card for use in the camera.	127
Language	Choose a language for camera menus and messages.	128
Interface	Set USB mode or the video mode.	128
Auto transfer	Choose whether or not to set **Transfer marking** option to the picture taken.	129
Reset all	Restore camera settings to their default settings.	130
Firmware version	Display the current camera firmware version.	131

The Set-up Menu

To display the Set-up menu:
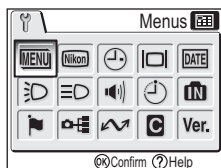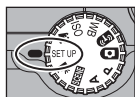
1	Menus [⊞] MENU Nikon ⌚ ▢ DATE ⅀D ⊒D ◀)) ⌚ 🔅 ▶ ⛁ ⟿ C Ver. ⊛Confirm ⑦Help	**2**	Welcome screen [--] MENU Nikon ⌚ ▢ DATE ⅀D ⊒D ◀)) ⌚ 🔅 ▶ ⛁ ⟿ C Ver. ⊛Confirm ⑦Help
Rotate the mode dial to **SET UP**. • Set-up menu is displayed.*		Highlight menu option and press ⊛. • To exit, rotate the mode dial to a different setting or press ▶.	
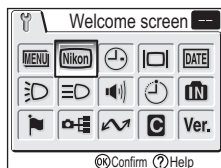
* The menu option set most recently appears selected.

MENU **Menus**

Rotate the mode dial to **SET UP** to select **Menus**, and then press ⊛.

This option is used to switch the menu display of the Shooting menu, Movie menu, Playback menu, or Set-up menu to ▤ **Text** or ⊞ **Icons**.

MENU MENUS
 ▤ Text
 ⊞ Icons
 ⊛Confirm
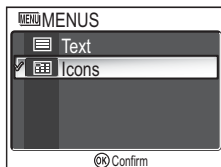
Nikon **Welcome Screen**

Rotate the mode dial to **SET UP** to select **Welcome screen**, and then press Ⓚ.

This option is used to choose the welcome screen displayed when the camera is turned on.

Nikon WELCOME IMAGE SELECT

▲
      Disable welcome
      Nikon
COOLPIX   Animation
▼   Select an image
Ⓚ Confirm

Option	Description
Disable welcome	No welcome screen is displayed when camera is turned on.
Nikon	Image shown at right is displayed when camera is turned on.
Animation (default setting)	Short animation is displayed when camera is turned on.
Select an image	You can choose the welcome screen from pictures stored in the memory or on the memory card. 1 SELECT IMAGE screen is displayed. Highlight a picture using the multi selector. 2 Press Ⓚ. To select a picture stored in the camera memory, remove the memory card.

✐ **Small Pictures and Cropped Copies**

Resized copies created with the small picture (🖪79) and cropping options (🖪77) can only be selected for the welcome screen if they are 640 × 480 pixels or larger (640 × 480 only for small picture).

🔍 **"Select an Image"**

When **Select an image** is selected, the chosen picture will appear at startup even when the memory card containing the image is removed from the camera. If you select **Select an image** after choosing a custom welcome screen, the confirmation dialog shown at right will be displayed. Select **Yes** to choose a new picture for the welcome screen, **No** to exit leaving the welcome screen unchanged.

Nikon WELCOME IMAGE SELECT

Replace current image?
No
Yes
Ⓚ Confirm

The Set-up Menu

117

⏱ **Date**

Rotate the mode dial to **SET UP** to select **Date**, and then press ⊗.

This option is used to set the camera clock and to choose home time zone and new city time zone (travel destination time zone).

⏱ DATE

2005. 12. 01 13:00

Date   ▶   --
Time zone   🏠
⊗ Confirm
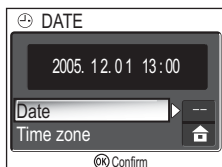
Date

Date is used to set the camera clock to the current date and time. See "Basic Set-up" (🗌16).

Time Zone

Select the time zone. The normal time zone setting is 🏠 (home time zone). If you select ➜ (new city time zone), the time difference is automatically calculated and the date and time in the selected region are displayed.

⏱ TIME ZONE
2005.12.01. 13:00
🏠 London, Casablanca   ▶
☐ DaylightSaving
➜ London, Casablanca
☐ DaylightSaving
⊗ Confirm
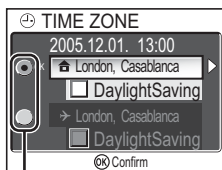
Dot marks selected option

1	⏱ TIME ZONE 2005.12.01. 13:00 ⊙ᴼᴷ 🏠 London, Casablanca ▶ ☐ DaylightSaving ⊙ ➜ London, Casablanca ☐ DaylightSaving ⊗ Confirm	Select home time zone or new city time zone. • To set the clock to the home time zone, highlight 🏠 and press ⊗. • To set the clock to the new city time zone, highlight ➜ and press ⊗. • To turn daylight saving time on, highlight **DaylightSaving** and press ⊗. The ✔ icon is displayed in ☐.

2	⊕ HOME TIME ZONE
	🏠 London, Casablanca ◀▶
	[MENU] Back (OK) Confirm
Selected time zone is displayed.	

3	⊕ HOME TIME ZONE
	🏠 London, Casablanca ◀▶
	[MENU] Back (OK) Confirm
Choose time zone and press (OK). Time zone is set.	

The camera supports the following time zones:

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

* When daylight saving time is turned on.

The Set-up Menu

✎ Time Zones

Time zone increments of less than one hour are not supported. When traveling 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, 118).

Monitor Settings

Rotate the Mode Dial to **SET UP** to select **Monitor settings**, and then press ⓦ.

This option is used to set the display's appearance, brightness and hue.

> **MONITOR SETTINGS**
>
> Photo info ▶ --
> Brightness 3
> Hue 0
>
> ⓦ Confirm
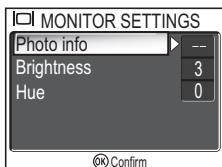
Photo Info

Select this option to hide or display the monitor indicators.

Option	Description	Monitor
Show info	Display current settings or operation guide in monitor when taking or viewing pictures.	
Auto info	Display current settings or operation guide in the monitor for five seconds.	
Hide info	Hide current settings or operation guide.	
Framing grid	Display a framing grid in the monitor in **P** (Programmed auto) mode or **A** (Aperture-priority auto) mode. Current settings or operation guide are displayed in monitor (for five seconds in the Shooting mode).	

Brightness

This option is used to adjust the monitor brightness to one of five grades.

Select **Brightness** and press ⓞ to display the brightness adjustment screen.

Select brightness by using the picture on the screen as a gauge and press ⓞ.

BRIGHTNESS

ⓞ Confirm
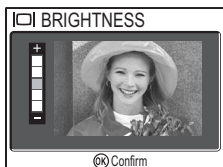
Hue

This option is used to control monitor hue (tone).

Select **Hue** and press ⓞ to display the hue adjustment screen.

Select hue by using the picture on the screen as a gauge and press ⓞ.

HUE

ⓞ Confirm

DATE Date Imprint

Rotate the mode dial to SET UP to select **Date imprint**, and then press ⓚ.
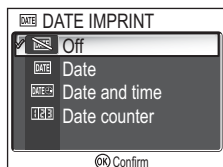
This option is used to imprint the date or the date and time of recording on pictures as they are recorded to the memory or memory card. It cannot be used to imprint a date stamp on pictures after recording.

```
DATE DATE IMPRINT
✓ ⬚ Off
  DATE Date
  DATE⊙ Date and time
  123 Date counter
       ⓚ Confirm
```

Option	Description
⬚ **Off** (default setting)	Time and date do not appear on pictures.
DATE **Date**	Date is imprinted at bottom right corner of all pictures taken while this option is in effect.
DATE⊙ **Date and time**	Date and time are imprinted at bottom right corner of all pictures taken while this option is in effect.
123 **Date counter**	Number of days from stored date until date of recording is imprinted at bottom right corner of all pictures taken while this option is in effect.

The Set-up Menu

Restrictions on Date Imprint

- Imprinted date cannot be deleted.
- **Date imprint** cannot be selected if the camera clock has not been set (⬛16, 118).
- When shooting with the following, **Date imprint** is automatically canceled: 🖳 **Continuous H** (P1), 🖳 **Continuous L** (P1), 🖳 **Continuous** (P2), 🗇 **5 shot buffer**, ▣ **Multi-shot 16** (⬛89), ▭ **PANORAMA ASSIST** (⬛38), 🏃 **SPORTS** (⬛41), Movie mode (⬛80), BKT **Auto bracketing**, WB **WB bracketing** (⬛93) and **BSS** (⬛92).
- Date imprinted at an **Image size** (⬛47) setting of ⟨TV⟩ **640 × 480** may be difficult to read. We recommend that image size is ⟨PC⟩ **1024 × 768** or larger when using the **Date imprint** option.
- The date is recorded in the order selected in **Date** (⬛16, 118).
- Imprinted data forms a permanent part of the image and will appear whenever the image is printed, regardless of whether the **Date** option is chosen in the **Print set** menu (⬛66).

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Date Counter

This option is used to store the date and imprint the number of days from that date until the date of recording on pictures.

If the stored date is earlier than the date of recording, the number of days that have elapsed is imprinted on pictures.

If the stored date is later than the date of recording, ▲ followed by the number of days until the date of storage is imprinted on pictures.

DATE COUNTER

▲ 77

1 2006 02 16
Number of days

Confirm

Stored dates   Display options

Option	Description	
Stored dates	In the Date counter menu, select Stored dates, and display the STORED DATES menu. Up to three dates can be stored. Highlight option, then press ⓞ.	STORED DATES 1 2006 02 16 2 2005 10 20 3 -- -- -- Confirm
	Enter date. Follow steps described in Basic Setup (🖥16). Dates between 1 January 1910 and 31 December 2037 can be stored. Select a stored date number and press ⓞ, the date will be imprinted.	DATE Y M D 2005 12 . 01
Display options	In the Date counter menu, select Display options, and display the DISPLAY OPTIONS menu. The type of display can be selected. Highlight option, then press ⓞ.	DISPLAY OPTIONS Number of days Years and days Yrs, mnths, days Confirm
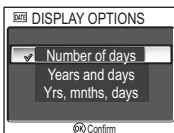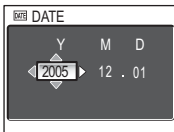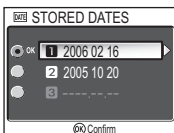
⅀D **Shot Confirmation**

Rotate the mode dial to **SET UP** to select **Shot confir-mation**, and then press ⓄⓀ.
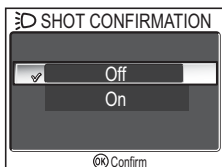
This option is used to light the self-timer lamp after shooting.

⅀D SHOT CONFIRMATION

| ✓ | Off |
| | On |

ⓄⓀ Confirm

Option	Description
Off (default setting)	If **Off** is selected, the self-timer lamp will not light after shoot-ing.
On	If **On** is selected for this option, the self-timer lamp will light after shooting to confirm that the shutter has been released. When 🔲 **Multi-shot 16** or ▤ **5 shot buffer** is selected for **Continuous**, the lamp will light after all pictures in the series have been taken. The lamp will not light at a setting of 🔲 **Ultra HS** or if the flash fired when the picture was taken.

⊟ AF Assist

Rotate the mode dial to **SET UP** to select **AF assist**, and then press ⊛.

The COOLPIX P1/P2 is equipped with an AF-assist illuminator. If lighting is poor, the built-in AF-assist illuminator will light when the shutter-release button is pressed halfway, allowing the camera to focus even when the subject is poorly lit.

⊟ AF ASSIST
≳⊘ Off
⊟ Auto

⊛ Confirm

Option	Description
≳⊘ **Off**	The AF-assist illuminator does not light. The AF-assist illuminator can be turned off for shooting in situations in which the AF-assist illuminator is too bright for human subjects or in which flash photography is prohibited. When the AF-assist illuminator is turned off, it will not light even when the subject is poorly lit. Under these conditions, however, the camera may not be able to focus accurately.
⊟ **Auto** (default setting)	If lighting is poor, the AF-assist illuminator lights when the shutter-release button is pressed halfway, allowing the camera to focus the subject (🖼23).

🖉 AF-Assist Illuminator Provides the Following Range

- Zoom out: a range of approx. 0.5 - 1.4 m (1 ft. 8 in. - 4 ft. 7 in.)
- Zoom in: a range of approx. 0.5 - 1.4 m (1 ft. 8 in. - 4 ft. 7 in.)

🖉 AF-Assist Illuminator

When the **AF-assist** option is set to **Auto**, the AF-assist illuminator will light in the following cases:
- **AF area mode** is set to [■] **Auto** or [▪] **Center** in the Shooting menu, or the focus area in the center of the frame is selected when **AF area mode** is set to [▫] **Manual**.
- Shooting in the scene mode such as 🌄 **PARTY/INDOOR**, 🏖 **BEACH/SNOW**, 🌅 **SUNSET**, 🗐 **COPY**, 🔳 **BACK LIGHT**, or 🗂 **PANORAMA ASSIST**.
- Focus area in the center of the frame is selected and scene mode is 🎎 **PORTRAIT**, 🌃 **NIGHT PORTRAIT**, or 🌷 **CLOSE UP**.

The Set-up Menu

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◀️ Sound Settings

Rotate the mode dial to **SET UP** to select **Sound settings**, and then press ⊛.
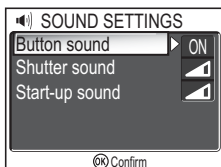
This option is used to control the sound settings listed below.

◀️ SOUND SETTINGS

Button sound	▶ ON
Shutter sound	◢
Start-up sound	◢

⊛ Confirm

Option	Description	
Button sound	Control the sound played when buttons are pressed. The button sound is played in the following cases: • Rotating the mode dial to another mode. • Pressing ▶ to displayed shooting or playback mode. • Pressing ⊛ to select option or menu. • Battery is low. • You cannot take pictures because of the memory or memory card status. • An error occurs.	◀️ BUTTON SOUND Off On ⊛ Confirm
Shutter sound	Adjust volume of shutter sound.	◀️ SHUTTER SOUND ◀️◢ Loud Normal Off ⊛ Confirm
Start-up sound	Adjust volume of sound played when camera is turned on.	◀️ START-UP SOUND ◀️◢ Loud Normal Off ⊛ Confirm

The Set-up Menu
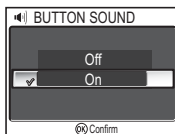
🖉 Shutter Sound

Shutter sound is not produced in the following cases:
- Shooting in Movie mode (🐾80).
- Shooting in 🏃 **SPORTS** mode (🐾41).
- **Continuous** (🐾89) is set to 🔁 **Continuous H** (P1), 🔁 **Continuous L** (P1), 🔁 **Continuous** (P2), 🔳 **Multi-shot 16**, 🔁 **Ultra HS**, or 🔳 **5 shot buffer**.
- **BSS** is set to **On** (🐾92).
- **Auto Bracketing** is set to **BKT Auto Bracketing** (🐾93).

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⏱ Auto Off

Rotate the mode dial to **SET UP** to select **Auto off**, and then press ⓞ.

This option is used to choose the time before the monitor turns off automatically to save power from thirty seconds (**30s**), one minute (**1m**, default setting), five minutes (**5m**) or thirty minutes (**30m**). For more details on **Auto off**, see page 15.

⏱ AUTO OFF

	30s
✓	1m
	5m
	30m

⊗ Confirm
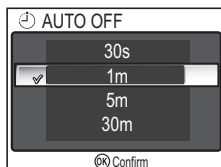
🔟/🗂 Format Memory/Card

Rotate the mode dial to **SET UP** to select **Format memory** or **Format card**, and then press ⓞ.

This option is used to allow the memory or the memory card to be formatted for use in the camera.

• Before formatting the memory, remove the memory card from the camera. **Format memory** is displayed in the Set-up menu.

🗂 MEMORY CARD FORMAT

Quick format	▶
Format	

⊗ Confirm

• When the memory card is inserted in the camera, the memory card will be formatted. **Format card** is displayed in the Set-up menu.
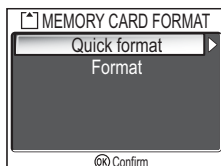
Option	Description
Quick format	Only the data recorded on the memory card is formatted.
Format	The entire memory card is formatted including areas with no data. **Format** takes relatively more time than **Quick format**.

✓ Notes on Formatting Memory/Card

• During formatting, the message "FORMATTING" appears. While the message is displayed, do not turn the camera off or remove the battery or memory card.
• Formatting the memory or the memory card permanently deletes all data they contain, including protected pictures and any other data that may be in the memory or on the memory card. Before formatting, be sure to transfer any valued pictures to a computer (🐾61).

ⓠ Notes on Formatting Memory Card

• Before using a new memory card immediately following purchase, format memory card.
• Repeatedly shooting and deleting pictures reduces the performance of memory cards leading to a decline in camera performance. Using **Format** regularly for memory cards is recommended to maintain memory card performance.
• **Format** is not available when ▭◼ (🐾14) is displayed.

The Set-up Menu

Language

Rotate the mode dial to **SET UP** to select **Language**, and then press ⊛.

Deutsch	Русский
✓English	Svenska
Español	日本語
Français	中文(简体)
Italiano	中文(繁體)
Nederlands	한글

MENU Back   ⊛Confirm

This option is used to choose the language for menus and messages displayed in the monitor from **Deutsch** (German), **English**, **Español** (Spanish), **Français** (French), **Italiano** (Italian), **Nederlands** (Dutch), **Русский** (Russian), **Svenska** (Swedish), 日本語 (Japanese), 中文**(简体)** (Simplified Chinese), 中文(繁體) (Traditional Chinese) or 한글 (Korean).

Interface (USB/Video Mode)

Rotate the mode dial to **SET UP** to select **Interface**, and then press ⊛.

INTERFACE
USB   ⟷•P
Video mode   NTSC

⊛ Confirm
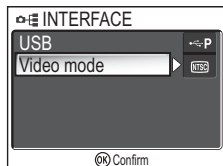
USB

Select the USB option used when transferring images on a computer or when connecting the camera to a printer supporting PictBridge. Choose **USB**, and select the USB option (🗐61).

Video Mode

Before connecting your camera to a video device such as a television or VCR (🗐60), choose a video mode that matches the video standard used in the device. Choose **Video mode**, select the video mode item, and press ⊛.

Your Nikon digital camera supports NTSC **NTSC** and PAL **PAL** standards.

VIDEO MODE
✓ NTSC NTSC
PAL PAL

⊛ Confirm

The Set-up Menu

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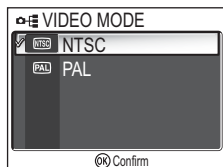
✎ Auto Transfer

> Rotate the mode dial to SET UP to select **Auto Transfer**, and then press ⑳.

This option is used to choose whether or not to add the ✎ (transfer) icon when pictures are taken.

When you connect the camera to a computer with PictureProject installed via the UC-E6 USB cable and press ⑳ (the center of the multi selector), only pictures marked with a ✎ icon will be transferred (🐾61).

When you connect the camera to a computer with a wireless LAN and press ⑳, only pictures marked with a ✎ icon will be transferred (🐾144).
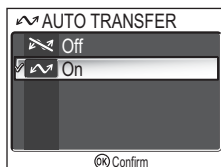
Option	Description
✂ **Off**	Select this option to set pictures or movies to not be transferred automatically when they are taken or recorded.
✎ **On** (default setting)	Select this option to set pictures or movies to be transferred automatically when they are taken or recorded.

📷 Set a ✎ Icon to Stored Pictures

The ✎ icon can be added or removed from stored pictures using the **Transfer marking** option (🐾112) in the Playback menu.

C Reset All

Rotate the mode dial to SET UP to select **Reset all**, and then press ⓒ.

This option is used to restore the settings listed below to their original state.

The following settings are affected:

C RESET ALL

Reset all settings to default values

No
Reset

ⓒ Confirm

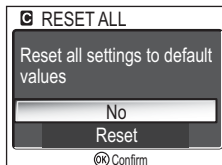| Scene menu	Default
SCENE	PORTRAIT (FACE AF)
Advanced options	Normal

Shooting menu	Default
White balance	Auto
Metering	Matrix
Continuous	Single
Interval of Interval timer shooting	30 s
BSS	Off
Auto bracketing	Off
Flash exp. comp.	±0
Image adjustment	Auto
Image sharpening	Auto
Saturation control	Normal
Sensitivity	Auto
Image quality	Normal
Image size	⌈8M (for P1) ⌈5M (for P2)
AF area mode	Auto
Auto-focus mode	Single AF
Fixed aperture	Off
Noise reduction	Off
User setting	1

Movie menu	Default
Movie options	Small size 320
Interval of Time-lapse movie	30 s
Auto-focus mode	Single AF
Electronic VR	Off

Playback menu		Default
Slide show	Frame intvl	3 seconds
	Loop	Off
Small pic.		640 × 480

The Set-up Menu

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Set-up menu	Default
Menus	Icons
Welcome screen	Animation
Photo info	Show info
Brightness	3
Hue	6
Date imprint	Off
Shot confirmation	Off
AF assist	AUTO
Button sound	On
Shutter sound	Normal
Start-up sound	Normal
Auto off	1 m
Auto transfer	On

Button setting	Default
Flash	⚡AUTO
Exposure compensation	0
Self-timer	Off
Focus mode	Autofocus
Aperture for **A** (aperture-priority auto) mode	F2.7
Flexible program value for **P** (programmed auto) mode	0
Digital zoom	×1

⌀ Resetting File Numbering to 0001

To reset file numbering (🔲25) to 0001, select **Reset all** after either deleting all pictures (🔲111) or formatting the memory or memory card (🔲127).

Ver. Firmware Version

Rotate the Mode Dial to **SET UP** to select **Firmware Version**, and then press ⍟.

This option is used to check a firmware version for your camera. The 12-digit number below is the camera's MAC address.

To return to the Set-up menu, press multi selector left.

COOLPIX P1 Ver.XX
MAC address
XX-XX-XX-XX-XX-XX
◑Back

Functions of the Wireless Transfer Mode

The COOLPIX P1/P2 has a wireless communication feature based on the IEEE802.11b/g standards. Wirelessly connect the camera to a computer or printer and save the images to the computer or print them using the functions below.

Option	Description	🔧
Easy Transfer	Compare the images in the memory or memory card with the images stored in a computer and transfer only those images not already stored in the computer.	142
Shooting Date	Transfer images by a specific recording date.	143
Marked Images	Transfer only those images with the transfer mark (⤳) (🔧112).	144
Selected Images	Transfer only selected images.	145
Shoot & Transfer	Immediately send recorded images. You can check the recorded images and send only the images necessary, and you can also save them to the memory or memory card at the same time.	146
PC Mode	Transfer images using a computer. PictureProject Transfer can be used for transferring images.	147
Wireless Printing	Print images from a printer connected to a computer.	148

See pages 133 to 138 for more information on setting up Wireless transfer mode. See page 140 and later for steps on transferring images.

Wireless Transfer Mode

Optional Wireless Printer Adapter

Using the optional PD-10 wireless printer adapter (🔧149), wirelessly transfer images directly from the camera to a printer and print. The PD-10 wireless printer adapter requires a series A USB connection so printers with such a connection are supported (some printers are not supported).
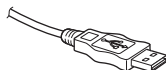
Using the Wireless Transfer Mode

The following conditions and preparations are required to use the Wireless transfer mode (🕮134).

Requirements for Using the Wireless Transfer Mode

Wireless LAN Environment (IEEE802.11b/g Compatible)

Set up the following devices or environment.

• When making a peer-to-peer connection between the camera and computer (**Ad-hoc mode**):

Set up a computer with an internal or external wireless LAN adapter.

• When making a connection via an access point (**Infrastructure mode**):

Set up a wireless LAN environment using a wireless LAN access point. Check that the computer which will receive the images is connected to the wireless LAN network.

Wireless LAN access point
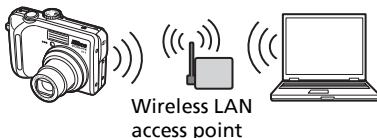
Operating Systems that Support Wireless Transfer Mode

Operations of the Wireless transfer mode are confirmed for the following operating systems:

• Windows XP Professional/Home Edition (SP1 or later; SP2 is recommended)
• Mac OS X (10.3 or later)

The latest information on supported operating systems is available on the Nikon Web site listed in Life-Long Learning (🕮1).

Software for Setting up Profile Information in the Camera

• Wireless Camera Setup Utility (hereafter referred to as the Setup Utility)
The Setup Utility sets the profiles and wireless LAN environment information in the camera. If this is not set properly, the camera cannot connect to the wireless LAN. The "Wireless Camera Setup Utility/PictureProject Installer CD" (hereafter referred to as the CD-ROM) supplied with the camera is required for installation.

🖉 Wireless LAN environment

For further information about wireless LAN environment, contact the manufacturer of the wireless LAN adapter or the access point for the wireless LAN, or refer to the commercial guidebook.

Before Using the Wireless Transfer Mode

To use Wireless transfer mode, use the Setup Utility to set, in the camera, the profiles of the computers and printers that will connect to the camera. This is necessary so that the camera can recognize the profile devices.

The procedure is outlined below. For more information, refer to the page for each operation.

Steps to make up the wireless connection

1 Check the wireless LAN settings of the computer (135-136)

Keep a note of the necessary items (see chart on pages 135 and 136) when setting up profile information using the Setup Utility to complete set-up more easily.

2 Set the camera's USB mode to PTP (61)

You must set the **USB** option to **PTP** (default setting) in the **Interface** menu of the camera's Set-up menu.

3 Connect the camera to the computer using the supplied UC-E6 USB cable (62)

Confirm that the mode dial is set to **SET UP**.

4 Start the Setup Utility on the computer (137)

Start the Setup Utility if it is already installed on the computer. If the Setup Utility is not installed, install using the CD-ROM provided with the camera. After the Setup Utility is installed, the software starts.

5 Follow the instructions in the Setup Utility windows. (138)

To cancel setting up a profile, click the **Cancel** button in a window.

✔ Camera Batteries

Profiles cannot be set if the camera turns off while setting. Check in advance that the batteries are charged enough.

✔ Setting Profiles

A profile must be set using the Setup Utility (steps 1 to 5 above) for each computer connecting to the camera. Additionally, the Setup Utility controls image transfer from the camera. Install the Setup Utility in all computers that will be set as profile devices.

Wireless Transfer Mode

Checking the Wireless LAN Settings of a Computer

Check the wireless LAN settings of the computer before starting the Setup Utility and entering profile information. Check the following items while referring to the manual and other reference materials of your computer and wireless LAN device.

Item	Description
Network Name (SSID)	Enter the network ID belonging to the computer (required). Use any value that is automatically displayed.
Type	Select **Camera to Computer (Ad-hoc)** or **Access Point (Infrastructure)** (required). Select **Camera to Computer (Ad-hoc)** when making a peer-to-peer connection between the camera and computer, and **Access Point (Infrastructure)** when making a connection via an access point. However, the camera and computer must be set to the same setting. The items below differ depending on what is selected for **Type**.

When **Camera to Computer (Ad-hoc)** is selected for **Type**:

Item	Description
Channel	Select the same number (1 to 11) that is set for the channel number in the computer (required).
Authentication	Select **Open** or **Shared** (select the same method that is set in the computer).
Security	Select **None**, **WEP 64 bits** or **WEP 128 bits** (select the same method that is set in the computer).
Security Key Format	When **WEP 64 bits** or **WEP 128 bits** is selected for **Security**, select the same setting as the computer (unnecessary when **None** is selected for **Security**).
Security Key	Enter the security key set in the computer (unnecessary when **None** is selected for **Security**).
Key Index	When **WEP 64 bits** or **WEP 128 bits** is selected for **Security**, select the same setting as the access point (unnecessary when **None** is selected for **Security**). Default setting is **1**.
Configure	Select **Auto** or **Manual** for the method of setting the camera IP address.
IP Address	When **Manual** is selected for **Configure**, enter the camera IP address.

Wireless Transfer Mode

When **Access Point (Infrastructure)** is selected for **Type**:

Item	Description
Authentication	Select **Open**, **Shared** or **WPA-PSK** (select the same setting as the access point).
Security	Select **None**, **WEP 64 bits**, **WEP 128 bits** or **TKIP** (select the same setting as the access point).
Security Key Format	When **WEP 64 bits** or **WEP 128 bits** is selected for **Security**, select the same setting as the access point (unnecessary when **None** is selected for **Security**).
Security Key	Enter the security key set in the access point (unnecessary when **None** is selected for **Security**).
Key Index	When **WEP 64 bits** or **WEP 128 bits** is selected for **Security**, select the same setting as the access point (unnecessary when **None** is selected for **Security**). Default setting is **1**.
Configure	Select **Auto** or **Manual** for the method of setting the camera IP address.
IP Address	When **Manual** is selected for **Configure**, enter the camera IP address.

Authentication and Security for Wireless Transfer

The following combinations are available on the COOLPIX P1/P2.

Authentication	Open	Shared	WPA-PSK
Security	None/WEP	WEP	TKIP

If the security format is changed, security level may lower (from highest security level to lowest: AES, TKIP, WEP, None).

MAC Address Filtering

When MAC Address filtering is set for a wireless LAN that the camera is connected to, the camera MAC address is needed. Confirm the camera MAC address (🐼131).

Port Number

For wireless communication, UDP port number of 5353 and TCP port number of 15740 are used.
If your computer has a firewall, the firewall settings may need to be changed.

Starting the Setup Utility on a Computer

When the Setup Utility is installed on a computer connecting to the camera.
- Windows : Select Start → All Programs → Nikon → Wireless Camera Setup Utility.
- Macintosh : Applications folder → open the Wireless Camera Setup Utility folder in the Nikon Software folder, and double click the Wireless Camera Setup Utility icon.

Create a profile for the computer.
A window with three tabs (**Get Started**, **Profiles** or **Wireless Printing**) appears. Select **Get Started**, click **Next** and start the setting.

When the Setup Utility is not installed on a computer connecting to the camera.
Install the software using the CD-ROM supplied with the camera. Select **Easy Install** in the **Install Center** window of the installation wizard. The Setup Utility is installed after PictureProject is installed.

Select **Wireless Setup Only** on the **Install Center** window to install only the Setup Utility.

Select the display language for the Setup Utility on the language selection window (Europe only; customers in other areas can proceed with creating a profile).

The Setup Utility starts automatically after installation so create a profile for the computer.

(When the program starts automatically after installation, a setting window with no tabs is displayed.)

(Europe only)

✓ Before Running the Setup Utility

Check the following settings.
- **PTP** is set for the camera USB mode.
- The camera is connected to the computer using a USB cable.
- The mode dial is set to **SET UP**.

🔍 Installation

See the *Quick Start Guide* or *PictureProject Reference Manual* (on CD) for further information on installation.

Setting a Profile

After the Setup Utility starts, follow the instructions in the window and enter the appropriate data. The main steps are as follows. **Press the *Help* button to display more information on the various operations.**

1 Select a profile name and icon
Enter the profile name (up to 16 single-byte alphanumerics) that appears in the camera monitor and select the icon.
When you are finished, click **Next**.

2 Follow the instructions on the screen and enter the network settings
See the table on page 135-136 for required items.
- If multiple printers are connected to a computer, select the printer using wireless printing (🔲148). If no printers are connected to the computer, click **Next** without selecting a printer.

3 Complete the profile setting
A window appears informing that settings are complete. Click **Close**.
- Two profiles (one for the computer and one for wireless printing) are set in the camera.

🖉 Number of Profiles

You can create a maximum of nine profiles (computers, printers connected to a computer, optional PD-10 wireless printer adapter in the camera. If nine profiles have already been created and you want to add a new profile, delete an unneeded profile first (🔲139). When setting the tenth profile, delete unneeded profiles using the Setup Utility.

🔍 Wireless Printing

- When the computer and printer are turned off, wireless printing is not available.
- Setting or changing the printer for wireless printing can be performed anytime from the **Wireless Printing** tab in the Setup Utility. The camera and computer do not need to be connected via USB cable for this.
- To not perform wireless printing, you can use the Setup Utility to delete profile information from the camera. Connect the camera and computer via USB cable for this (🔲139).

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Wireless Transfer Mode

Managing Profile Information

You can use the Setup Utility to view or delete profile information saved in the camera or edit a profile name.

1 Start the Setup Utility

2 Select the Profiles tab
Select the desired profile name from the list. To check a profile, click **View Profile**. To edit a profile name, click **Rename**. To delete a profile, click **Delete**.

⚠ Before Running the Setup Utility

Check the following settings.
- **PTP** is set for the camera USB mode.
- The camera is connected to the computer using a USB cable.
- The mode dial is set to **SET UP**.

Transferring Images to a Computer

To display the WIRELESS MENU:

1
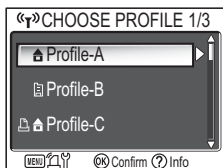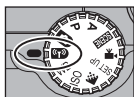
Rotate the mode dial to ![wireless icon] and turn the camera on. The CHOOSE PROFILE screen is displayed.
- Profiles are displayed in order from the most recently used profile.
- Press ❷ (Info) on the CHOOSE PROFILE screen to display the SSID of the selected profile and whether it is a computer or printer. If the camera cannot connect to the profile device, you can check whether the profile settings and the settings saved in the camera match.

«т»CHOOSE PROFILE 1/3
- ⌂ Profile-A
- 🖹 Profile-B
- 🖳⌂ Profile-C

MENU ⌂Ỵ ⊛ Confirm ⑦ Info

2
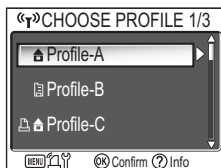
Highlight the profile to which to connect.
- If the last transfer is ended without confirmation and the same profile is selected in this step, a termination message appears for 2 seconds when connected.

«т»CHOOSE PROFILE 1/3
- ⌂ Profile-A
- 🖹 Profile-B
- 🖳⌂ Profile-C

MENU ⌂Ỵ ⊛ Confirm ⑦ Info

3
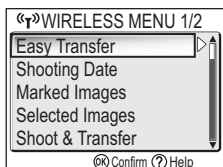
The WIRELESS MENU is displayed in the monitor of the camera when a connection to the wireless LAN is made and transmission starts.
- Press ⊛ before transmission starts to return to the CHOOSE PROFILE screen.

«т»WIRELESS MENU 1/2
- Easy Transfer
- Shooting Date
- Marked Images
- Selected Images
- Shoot & Transfer

⊛ Confirm ⑦ Help

4
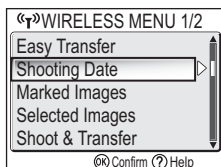
Highlight option for transferring images. See page 142 and later for more information on each menu item.
- When **Type** is set to **Camera to computer (Ad-hoc)**, connection time is shortened when the computer's IP address is fixed.

«т»WIRELESS MENU 1/2
- Easy Transfer
- Shooting Date
- Marked Images
- Selected Images
- Shoot & Transfer

⊛ Confirm ⑦ Help

✐ Mode Dial Operation in the Wireless Connection

Rotating the mode dial while the camera is wirelessly connected disconnects the wireless connection and stops the transfer of images.

✐ About the Signal Indicator

The strength of the wireless LAN signal is displayed on the monitor with a five-level indicator. When the camera is out of range of the wireless LAN, the indicator is displayed in red. If the signal strength is weak, remove any obstacles between the camera's antenna and computer.

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Wireless Transfer Mode

📝 If an Error Message Appears

When a profile cannot be selected (when transmission has not started), "NETWORK CONNECTION FAILED" is displayed. After WIRELESS MENU is selected and camera cannot connect to profile device, "Failed to connect to XXX" is displayed. Check the selected computer or access point and fix the cause of the error. Highlight **Try Again** and press ⊛ to reconnect. Select

Choose Profile to cancel the connection and return to the CHOOSE PROFILE screen. If **Try again** cannot be selected due to the source of the error, select **Choose Profile**.
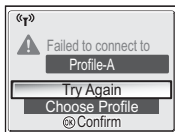
📝 Wireless Transfer LED

The wireless transfer LED (in the antenna on the side of the camera) indicates the wireless transfer status as shown below.

Blinks : Searching for profile device.
Lights : Connected to profile device or transferring data.
Off : Not connected.

In order to reduce power consumption, the wireless transfer LED may switch to blinking status if no data is transferred within a set period of time based on operating conditions.

📝 Notes on Wireless Transfer Mode

* If no operations are performed for approximately three minutes, the camera will enter Standby mode and the monitor will turn off automatically. The camera will enter Standby mode even during transfer but transfer will continue.
* Video output is not available in Wireless transfer mode.

📝 Resuming Cancelled Transfer Operations

If the transferring of images by wireless LAN connection is interrupted due to a weak signal or low battery, the images can be resent. Select **Yes** when the message "Resume interrupted transfer?" is displayed while Wireless transfer mode is enabled. Transferring is resumed for those images that could not be transferred. Select **No** to cancel transfer operations.

📝 ⊛ Button

In Wireless transfer mode, the ⊛ button on the camera is used only to perform menu operations. Pressing the ⊛ button does not transfer images with 🔀 (transfer mark), unlike when using PictureProject via a USB connection (🐱61). See the procedures on pages 140 to 147 for more information on transferring images using Wireless transfer mode.

📝 Memory Card Write Protection

When the memory card switch is in the "Lock" position, images cannot be transferred. Slide the switch to the "Write" position before transferring images.

📝 Optional Wireless Printer Adapter Connection Configuration

When the **MENU** button is pressed in the CHOOSE PROFILE screen, the optional PD-10 wireless printer adapter can be selected as a profile. See the manual of the wireless printer adapter for details on the wireless printer adapter.

Wireless Transfer Mode

141

Transferring Images Not in a Computer: Easy Transfer

1

«T» WIRELESS MENU 1/2

Easy Transfer
Shooting Date
Marked Images
Selected Images
Shoot & Transfer

ⓘ Confirm ⓗ Help

Highlight **Easy Transfer** on the WIRE-LESS MENU.

2

Transferring images to computer
0002 / 0006

«T»

ⓘCancel

Press ⓘ to transfer images not yet stored in the computer.
The following items are displayed during transfer.
• Number of transferred images/total images
• Signal status (five-level indicator)

3

«T»

Transfer completed.

Profile-A

Connection terminated.
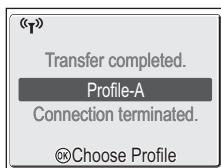
ⓘChoose Profile

A message is displayed when transfer is complete. Press ⓘ to return to the CHOOSE PROFILE screen.
• To end Wireless transfer mode, rotate the mode dial to a different setting. To finish using the camera, turn the power off.

✐ Checking Connection with Profile Device

In WIRELESS TRANSFER mode, highlight an item and press ⓘ to display the screen to check the connection with the profile device. After this screen is displayed, the operations of the different transfer modes can be performed.
• Press ⓘ while this screen is displayed to return to the CHOOSE PROFILE screen.

Connecting to
Profile-A
«T»
ⓘCancel
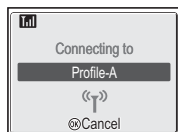
✐ Save Location of Transferred Images

• Images transferred to the computer using the Wireless transfer mode (🖼142 - 147) are saved to the following location.
  Windows XP : PictureProject folder in My Pictures folder
  Macintosh : PictureProject folder in Picture folder
• When images are transferred with a computer that has PictureProject installed using a Wireless transfer mode (🖼142 - 146) other than PC mode, PictureProject automatically starts and displays transferred images. The save location can be changed.
• For computers without PictureProject installed, Explorer (for Windows) or Finder (for Macintosh) starts and displays the save location. The save location cannot be changed.
• If a camera in PC mode (🖼147) is connected to a computer without PictureProject installed, drag and drop images from the mounted camera to the desired save location.

Wireless Transfer Mode

Transferring Images by Specific Recording Date: Shooting Date
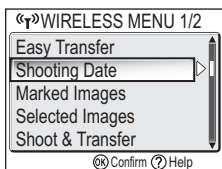
1 (())WIRELESS MENU 1/2 Easy Transfer **Shooting Date** ▷ Marked Images Selected Images Shoot & Transfer ⊛ Confirm ⑦ Help Highlight **Shooting Date** on the WIRE-LESS MENU.	**2** 📶 SHOOTING DATE 2005 .12 .01 [5] 2005 .11 .01 [3] 2005 .10 .01 [2] images total [0] Ⅿᴱⁿᵁ Exit ⊛ Confirm OFF◀▶ON The SHOOTING DATE screen is displayed after connection confirmation screen (🔳142) is displayed.
3 📶 SHOOTING DATE 2005 .12 .01 [5] (()) 2005 .11 .01 [3] 2005 .10 .01 [2] images total [3] Ⅿᴱⁿᵁ Exit ⊛ Confirm OFF◀▶ON Highlight the shooting date of the images to be transferred and press multi selector right. The ((T)) (Wireless transfer) mark appears on the selected date. • Select all recording dates for images to be transferred. • Press multi selector left to cancel the setting.	**4** 📶 **Transferring images to computer** 0002 / 0006 (()) ⊛Cancel Press ⊛ to transfer all images with the specified recording date. The following items are displayed during transfer. • Number of transferred images/total images • Signal status (five-level indicator)
5 (()) Transfer completed. **Profile-A** Connection terminated. ⊛Choose Profile	A message is displayed when transfer is complete. Press ⊛ to return to the CHOOSE PROFILE screen. • To end Wireless transfer mode, rotate the mode dial to a different setting. To finish using the camera, turn the power off.
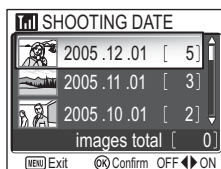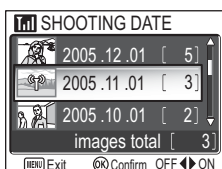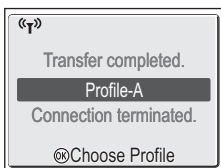
✐ When Using Shooting Date

Because pictures that are hidden (🔳113) and pictures with no date set (🔳16, 118) are not grouped, the above operations cannot be performed. However, the above operations may be performed on pictures with no date set but shot with other cameras.

Wireless Transfer Mode

143

Transferring Images with Transfer Mark: Marked Images

1
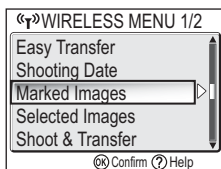
Highlight **Marked Images** on the WIRE-LESS MENU.

«ɪ»WIRELESS MENU 1/2
Easy Transfer
Shooting Date
Marked Images ▷
Selected Images
Shoot & Transfer

🆗 Confirm ⑦ Help

2

📶
Transferring images to computer
0002 / 0006
«ɪ»
🆗 Cancel

Press 🆗 to transfer all images with the transfer mark (⤴) (📼112).

The following items are displayed after connection confirmation screen (📼142) is displayed.

• Number of transferred images/total images
• Signal status (five-level indicator)
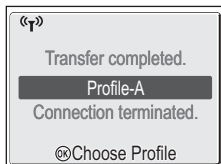
3

«ɪ»
Transfer completed.
Profile-A
Connection terminated.
🆗 Choose Profile

A message is displayed when transfer is complete. Press 🆗 to return to the CHOOSE PROFILE screen.

• To end Wireless transfer mode, rotate the mode dial to a different setting. To finish using the camera, turn the power off.

Wireless Transfer Mode

144

Selecting and Transferring Images: Selected Images

1
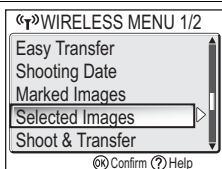
Highlight **Selected Images** on the WIRELESS MENU.

〈ʏ〉WIRELESS MENU 1/2
Easy Transfer
Shooting Date
Marked Images
Selected Images ▷
Shoot & Transfer
®Confirm ⑦Help

2
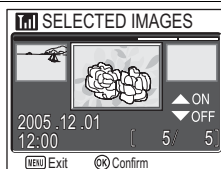
The SELECTED IMAGES screen is displayed after connection confirmation screen (📖142) is displayed.

📶 SELECTED IMAGES
2005.12.01
12:00   [5/ 5
▲ ON
▼ OFF
MENU Exit   ®Confirm

3
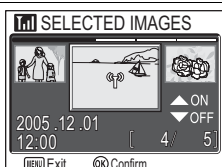
Set the selected image for transfer. The 〈ʏ〉 (Wireless transfer) mark appears on the selected image.
• Select all images to be transferred.
• Press multi selector down to cancel the setting.

📶 SELECTED IMAGES
2005.12.01
12:00   4/ 5
▲ ON
▼ OFF
MENU Exit   ®Confirm

4

Press ® to transfer the selected images. The following items are displayed during transfer.
• Number of transferred images/total images
• Signal status (five-level indicator)

📶
Transferring images to computer
0002 / 0006
〈ʏ〉
®Cancel

5

〈ʏ〉
Transfer completed.
Profile-A
Connection terminated.
®Choose Profile

A message is displayed when transfer is complete. Press ® to return to the CHOOSE PROFILE screen.
• To end Wireless transfer mode, rotate the mode dial to a different setting. To finish using the camera, turn the power off.
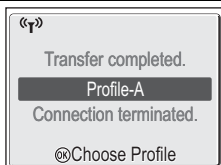
Wireless Transfer Mode

🖉 About the Transfer Mark

The 〈ʏ〉 (Wireless transfer) mark disappears after transfer.

145
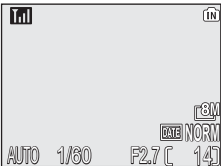
Immediately Transferring Recorded Images: Shoot & Transfer

1

«T»WIRELESS MENU 1/2
Easy Transfer
Shooting Date
Marked Images
Selected Images
Shoot & Transfer
🆗 Confirm ⑦ Help

Highlight **Shoot & Transfer** on the WIRELESS MENU.

2

The camera switches to the Shooting screen after connection confirmation screen (📖142) is displayed.

3

Transferring images to computer
«T»
🆗Cancel

When a picture is taken, the image is transferred to the computer. After the image is transferred, the camera returns to the Shooting screen in step 2 above. (Additional pictures cannot be taken until transfer is complete.)

• If a transfer confirmation dialog is displayed, select **Yes**. Select **No** to cancel transferring the recorded image to the computer.

Changing the Settings

Press the MENU button while the camera is in Standby mode to display the SHOOT & TRANSFER screen and make the following changes.

Menu item	Option	Description
Confirm Transfer	**On**	Displays a confirmation dialog prompting whether to transfer the recorded image to the computer each time a picture is taken.
	Off	Immediately transfers recorded image to the computer.
Save Images	**On**	Saves the recorded image to the memory or memory card.
	Off	Saves the recorded image only to the computer and not to the memory or memory card.

If **Save Images** is set to **Off** and an error occurs during **Shoot & Transfer** operation, picture is not saved. Saving important pictures is recommended.

🖉 Function Available for Shooting

• When **Shoot & Transfer** is enabled, ● (Auto shooting) mode (📖18) is enabled. If the mode dial is rotated while in Wireless transfer mode, the connection will be interrupted, so set Image mode (📖47) before starting **Shoot & Transfer**.
• Advanced red-eye reduction (📖29; when the camera detects "red-eye" and automatically corrects it when storing a picture) is disabled.

146

Transferring Images Using a Computer: PC Mode

1

《T》WIRELESS MENU 2/2
PC Mode

Ⓚ Confirm ⑦ Help
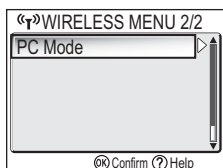
Highlight **PC Mode** on the WIRELESS MENU.

2

Connecting to
Profile-A
《T》
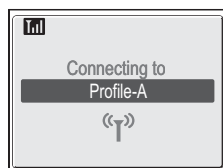
Press Ⓚ.
The PictureProject Transfer screen is displayed on the computer screen.
Click **Transfer** to transfer images.

⃠ When Multiple Computers Share the Same SSID

If the camera has multiple devices set with the same network name (SSID) as the profile device specified in the CHOOSE PROFILE screen (🐾 140) and those devices are started, the camera attempts to connect only to the specified profile device.

⃠ PC Mode Precautions

Be sure to perform all transfer operations from the computer.
• Use PictureProject Transfer when using PictureProject.
• If PictureProject is not being used, drag and drop the image from the mounted camera.

147

Printing Images from a Printer Connected to a Computer: Wireless Printing
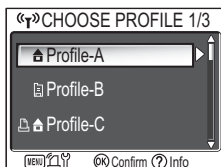
1

«T» CHOOSE PROFILE 1/3

- 🔺 Profile-A
- 📄 Profile-B
- 🖨️🔺 Profile-C

MENU 🗂️Ƴ   ⓄⓀ Confirm ⑦ Info

Rotate the mode dial to 🌐 and turn the camera on. The CHOOSE PROFILE screen is displayed.

- Profiles are displayed in order from the most recently used profile.
- Press ⑦ (Info) on the CHOOSE PROFILE screen to display the SSID of the selected profile and whether it is a computer or printer. If the camera cannot connect to the profile device, you can check whether the profile settings and the settings saved in the camera match.

2

«T» CHOOSE PROFILE 1/3

- 🔺 Profile-A
- 📄 Profile-B
- 🖨️🔺 Profile-C

MENU 🗂️Ƴ   ⓄⓀ Confirm ⑦ Info
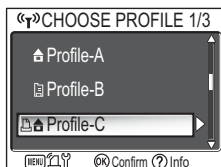
Highlight the printer (the profile device with a printer icon) that connects to the computer.

- If the last transfer is ended without confirmation and the same profile is selected in this step, a termination message appears for 2 seconds when connected.

3

📶 🖨️

Connected to printer via wireless.

🖨️

📶 🖨️ WIRELESS PRINTING

- ▦ Print selection ▶
- ▦ Print all images
- ↩ DPOF printing
- 🖵 Paper size
  Cancel

ⓄⓀ Confirm
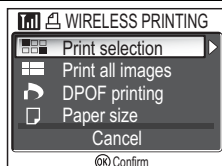
After the Wireless transfer connection screen is displayed, the picture selection screen is displayed. Pictures can be selected and printed in the same manner as steps 4 (🔳71) and after in "Printing via Direct USB Connection" (🔳70-74).

✐ Printing via the Wireless LAN

When connecting the camera to the computer on the wireless LAN via an access point, only the printer on the same network with the computer can be used. Printers on another network that is connected via a router (a network with a different access point) cannot be used.

✐ When Multiple Printers are Connected to a Computer

Start the Setup Utility on the computer with the printers connected. Select **Wireless Printing** tab and select the printer (🔳138).

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Technical Notes

Optional Accessories

The following optional accessories are available for your Nikon digital camera. Contact your local retailer.

Rechargeable battery	Additional EN-EL8 Li-ion batteries are available from your retailer or local Nikon representative.
Battery charger	MH-62 battery charger for EN-EL8 batteries
AC adapter	EH-62C AC adapter kit
Carrying case	CS-CP18 soft case
Wireless printer adapter	PD-10 wireless printer adapter

Approved Memory Cards

The following cards have been tested and approved for use:

SanDisk	16MB, 32MB, 64MB, 128MB, 256MB, 256MB*, 512MB, 512MB*, 1GB
Toshiba	16MB, 32MB, 64MB, 128MB, 128MB*, 256MB, 256MB*, 512MB
Panasonic	16MB, 32MB, 64MB, 128MB, 256MB*, 512MB*, 1GB*

* High speed type of 10MB/s.

Caring for Your Camera

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

✓ Keep dry

The device will be damaged if immersed in water or subjected to high levels of moisture.

✓ Handle the lens and all moving parts with care

Do not apply force to the lens, monitor, or to the connector, card slot, or battery chamber covers. These parts are especially susceptible to damage.

✓ 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 in the CCD image sensor, producing a white blur effect in photographs.

✓ Turn the product off before removing or disconnecting the power source

Do not unplug the product or remove the batteries 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. To prevent an accidental interruption of power, avoid carrying the product from one place to another while the AC adapter (available separately) is connected.

✓ Do not drop

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

✓ 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 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.

✎ AF-Assist Illuminator

The light-emitting diode (LED) used in the AF-assist illuminator (🖉125) conforms to the following IEC standard:

```
CLASS 1 LED PRODUCT
IEC60825-1 Edition 1.2-2001
```

Technical Notes

Cleaning

Lens

One key to cleaning the lens is to not touch it with your fingers. Remove dust or lint with a *blower* (typically a small device with a rubber bulb attached to one end that you pump to produce a stream of air out the other). 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 in the center of the lens and works out to the edges.

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.
The camera may be damaged if foreign matter gets inside the camera body. Nikon cannot accept liability for damage caused by dirt or sand.
Do not use alcohol, thinner, or other volatile chemicals.

✔ Avoid contact with liquid crystal

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

🖉 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 monitors, and does not indicate a malfunction. Images recorded using the product will not be affected.
- When you frame bright subjects, vertical comet-like streaks that whiten toward either end may appear in the monitor. 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 in a bright light.
- The monitor is lit by an LED backlit. Should the monitor begin to dim or flicker, contact your Nikon service representative.

Storage

Turn the camera off when not in use and check that the power-on lamp is off before putting the camera away. To prevent mold or mildew, store the camera in a dry, well-ventilated area. If you will not be using the product for long periods, remove the battery to prevent leakage and store the camera in a plastic bag containing a desiccant. Do not store the camera case (available separately) in a plastic bag, as this may cause the material to deteriorate. Note that desiccant gradually loses its capacity to absorb moisture and should be replaced at regular intervals. Do not store your camera with naphtha or camphor moth balls or in locations that:

• are poorly ventilated or damp
• 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; for example near a space heater or in a closed vehicle on a sunny day)
• are 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.

When the battery is not in use, replace the terminal cover and store the battery in a cool, dry place. The battery should be recharged at least once a year; run the battery flat before returning it to storage.

🖉 Batteries

- Check the battery level when taking the camera out and charge the battery if necessary (🖁8). Do not continue charging once the battery is fully charged, as this will result in reduced battery performance. If possible, carry a spare EN-EL8 battery when taking pictures on important occasions.
- 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.
- Used batteries are a valuable resource. Please recycle used batteries in accordance with local regulations.

Technical Notes

Error Messages

The following table lists the error messages and other warnings that appear in the monitor and how to deal with them.

Display	Problem	Solution	🔲
⏰ (blinks)	Clock not set.	Set clock to current date and time.	16
WARNING!! BATTERY EXHAUSTED ◻️▰	Battery exhausted.	Turn camera off and replace with fully charged battery.	10
[ ] AF● (flashes red)	Camera cannot focus.	Use AF lock to focus on another subject at same distance, then recompose picture.	98
✋	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.	20, 27, 28
PLEASE WAIT ⏳ WARNING!! PLEASE WAIT FOR THE CAMERA TO FINISH RECORDING ⏳	• Camera turned off. • The ▶ button pressed during recording pictures. • The mode dial rotated to another mode during recording.	Message clears from display automatically when recording is complete.	23
MEMORY CARD IS WRITE PROTECTED [◻️]	Write-protect switch of the memory card is in "Lock" position.	Slide write-protect switch to "write" position.	13

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Display	Problem	Solution	🔧
THIS CARD CANNOT BE USED ⚠	Error accessing memory card.	• Use approved card.	149
WARNING!! THIS CARD CANNOT BE READ 🗂		• Check that connectors are clean. • Turn the camera off and make sure the memory card is inserted correctly.	12
CARD IS NOT FOR-MATTED 🗂 Format No ▶	Memory card has not been formatted for use in camera.	Press multi selector up to highlight **FORMAT** and press ⓞⓚ to format card, or turn camera off and replace card.	13, 127
OUT OF MEMORY 🗂 or 🔳	*Camera in the shooting mode*: Insufficient memory to record pictures at current settings.	• Choose lower image quality/size.	47
		• Delete unwanted pictures.	24, 111
		• Insert new memory card.	12
	Camera connected to computer and the ⓞⓚ (Transfer ↝) Button pressed: Not enough space on memory to record information needed for transfer.	Disconnect camera, delete unwanted pictures, and try again.	111
Image has already been modified. D-Lighting cannot be used. 🅰	Image can not be adjusted using D-Light-ing.	Copies from D-Lighting, crop or small picture option can not be adjusted using D-Light-ing.	76

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Display	Problem	Solution	🗑
IMAGE CANNOT BE SAVED 🛅 or 🗋 (lit)	The destination is out of memory for copying picture.	• Format destination memory (the memory or memory card). • Insert new memory card or delete unwanted pictures from the memory or memory card.	127 12, 24, 111
	Error occurred while saving picture.		–
	Camera has run out of file numbers.	Insert new memory card or delete unwanted pictures from the memory or the memory card.	12, 24, 111
	Invalid picture chosen for creating cropped picture.	Check types of images that can be cropped.	76
	Invalid picture chosen for welcome screen.	Small pictures created in sizes of 320 × 240 pixels or smaller, or cropped copies cannot be selected.	117
CANNOT RECORD MOVIE 🗋	Error occurred while saving movie.	• Format memory card using **Format** option in the format menu. • Insert memory card with faster processing speed.	127 12, 81
	Takes long time to save movie on memory card.		
MEMORY CONTAINS NO IMAGES ◻	No pictures in the memory or the memory card.	• When this message is displayed although pictures are taken, turn the camera off and turn it on again. If error persists, contact retailer or Nikon representative. • Press ▶ button to return to the shooting mode.	14 15
		• To show pictures in the memory, remove memory card from camera.	13

Technical Notes

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Display	Problem	Solution	👢
FILE CONTAINS NO IMAGE DATA ◻	File created by computer or different make of camera.	View file on computer or correct make of camera.	–
ALL IMAGES ARE HIDDEN ◻	No pictures in the memory or on the memory card that can be viewed on COOLPIX P1/P2.		
MONITOR OFF ⚠	Internal circuit protection has activated because the camera was used for a long period of time.	Turn camera off and do not use for a while.	22
	Surrounding temperature exceeds specified temperature range for battery.	Use only in specified temperature range (0 to 40°C). Let battery cool down before using camera if battery is hot.	9
THIS IMAGE CANNOT BE DELETED ◻	Attempt to delete protected picture.	Remove protection before deleting picture.	112
NEW CITY IS IN THE CURRENT TIME ZONE ⚠	Travel destination is in same time zone as home location.	No need to specify new time zone if travel destination is in same time zone as home location.	118
WARNING! MODE DIAL IS NOT IN THE PROPER POSITION ⚠	Mode dial is positioned between two modes.	Adjust mode dial to select desired mode correctly.	6
WARNING! NO MENU IN AUTO MODE PLEASE USE ANOTHER MODE ⚠	The **MENU** button was pressed during 🄰 (Auto shooting) mode.	When the Mode Dial is set to 🄰 (Auto shooting), menu cannot be displayed.	–
LENS ERROR ⚠	Error has occurred during lens operation.	Turn camera off and then on again. If error persists, contact retailer or Nikon representative.	14

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Display	Problem	Solution	❸
COMMUNICATIONS ERROR ↻	USB cable disconnected or memory card removed while images are being transferred to computer.	If error appears on computer monitor, click **OK** to exit PictureProject. Turn camera off, reconnect cable or replace memory card, then turn camera on and transfer images.	12 - 62
	A computer is executing some form of processing.	If error appears on computer monitor, click **OK** and transfer images after the processing has completed.	–
	USB option set incorrectly to transfer images using camera's ⑱ (Transfer ↻) button.	Turn camera off and disconnect cable, then choose new USB setting in the camera Set-up menu and reconnect camera. If error persists, use transfer button in PictureProject to transfer images.	61, 62, 64
NO IMAGES ARE MARKED FOR TRANSFER ✉	No pictures selected for transfer when ⑱ (Transfer ↻) button pressed to transfer images to computer.	• Disconnect camera and select at least one picture for transfer, then begin transfer again. • Use Transfer button in PictureProject to transfer images.	62, 63, 64, 112
TRANSFER ERROR ↻	Error occurred when images were transferred to computer.	• Check that camera is connected and that battery is fully charged. • Check that optional EH-62C AC adapter is firmly connected to the camera.	14, 62 –

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Display	Problem	Solution	⚙
SYSTEM ERROR ⚠	Error has occurred in camera's internal circuitry.	Turn camera off, unplug optional AC adapter (if using), remove and reinsert batteries, and turn camera on. If error persists, contact retailer or Nikon representative.	10
PRINTER ERROR ⚠ CHECK PRINTER STATUS	Printer error occurs on your printer.	Read printer manual and solve the problem.	–

Error Messages During Wireless Transfer Mode

Display	Problem	Solution	❂
Transfer error ⚠	Error occurred when images were transferred to computer.	Check the signal.Remove any obstacles between the camera antenna and the profile device.	–
Profile not registered. Set up profile. ⚠	A profile for wireless transfer has not been set.	Set profile device with the Wireless Camera Setup Utility or the optional PD-10 wireless printer adapter.	138
⚠ NETWORK CONNECTION FAILED	Camera could not connect to wireless network.	Check the selected computer or access point. Check the network settings.	141
Battery exhausted. Transfer terminated. ▱	Battery has become depleted while images were being transferred.	Charge the battery and turn the camera on in Wireless transfer mode.	8
⚠ Failed to connect to XXX	Camera could not connect to selected profile device (computer).	Check the selected computer.	141
Connection error. ⚠	Wireless connection with the profile device stopped while the camera was connected to the network.	Check the signal.Remove any obstacles between the camera antenna and the profile device.	–

Troubleshooting

If your 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 listed in the right-most column for information on solving the problems listed here.

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 turn the camera on again, or, if you are using the optional AC adapter, disconnect and reconnect the adapter, and turn the camera on again. Note that disconnecting the power source as described above may result in the loss of any data not recorded to the memory or memory card at the time the problem occurred. Data already recorded to the memory or memory card will not be affected.

Problem	Possible cause	
Monitor is blank	• Camera is off.	14
	• Monitor is off.	5
	• Battery is not correctly inserted or battery-chamber/memory card slot cover is not properly latched.	10
	• Battery is exhausted.	14
	• Optional EH-62C AC adapter kit is not properly connected.	–
	• Camera is in Standby mode. Press shutter-release button halfway.	15
	• USB cable is connected.	–
	• Audio/video cable is connected.	–
Camera turns off without warning	• Battery is low.	14
	• Battery is cold.	152
No indicators appear in monitor	• Indicators may be hidden. Select the setting other than **Hide info** for **Photo info** option in the monitor settings menu.	120
Monitor is hard to read	• Ambient lighting is too bright: move to a darker location.	151
	• Monitor brightness needs adjustment.	121
	• Monitor is dirty: clean monitor.	151

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Problem	Possible cause	🔁
No picture is taken when shutter-release button is pressed	• Camera is in Playback mode. • Battery is exhausted. • Focus indicator flickers: camera unable to focus. • Red (⚡) lamp blinks: flash is charging. • Message "CARD IS NOT FORMATTED" appears in monitor: memory card is not formatted for use in camera. • Message "MEMORY CARD IS WRITE PROTECTED" appears in monitor: memory card is locked. • Message "OUT OF MEMORY" appears in monitor: insufficient memory to record picture at current **Image quality/size** setting.	18 14 22 22 13, 127 13 154
Pictures are too dark (underexposed)	• Flash is off. • Flash window is blocked. • Subject is outside range of flash. • Exposure compensation is too low.	27 20 29 33
Pictures are too bright (overexposed)	• Exposure compensation is too high.	33
Pictures are out of focus	• Subject was not in focus area when shutter-release button was pressed halfway. • Green (AF) lamp flashes: camera unable to focus. • AF-assist illuminator does not light when the lighting is poor. Select **Auto** in the **AF assist** option.	98 23 125
Pictures are blurred	• Camera shook during shot. Blurring caused by camera shake can be reduced by: ◆ Using the flash ◆ Using the Best Shot Selector (BSS) ◆ Using the self-timer with a tripod • When recording movies, set **Electronic VR** to **On**.	 27 92 30 84
Randomly-spaced, brightly-colored pixels ("noise") appear in image	• Shutter speed too slow. "Noise" can be reduced by: ◆ Using the flash ◆ Selecting 〓 (scene) mode and choosing 🌃 **NIGHT PORTRAIT**, 🌆 **NIGHT LANDSCAPE** or 🌄 **DUSK/DAWN** (In these modes, Noise reduction works automatically when shutter speed is low. Select an appropriate mode according to your shooting condition.)	 27 37 38 39

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Problem	Possible cause	🔧
Bright specks in picture	• Flash is reflecting from particles in air. Turn flash off or zoom in.	20, 27
Flash does not fire	• Flash is off. Note that flash turns off automatically when:	27
	◆ The mode dial is set to 🎥 (movie), or 🎬 (scene) mode with any of ⛰ **LANDSCAPE**, 🌅 **SUNSET**, 🌆 **DUSK/DAWN**, 🌃 **NIGHT LANDSCAPE**, 🏛 **MUSEUM**, 🎆 **FIREWORKS SHOW** or 🏃 **SPORTS** selected in the scene menu.	34, 80
	◆ **Continuous** (🗒89) is set to 🖳 **Continuous H** (P1), 🖳 **Continuous L** (P1), 🖳 **Continuous** (P2), 🖳 **Multi-shot 16**, 🖳 **Ultra HS**, or 🗒 **5 shot buffer** in **P** or **A** mode.	89
	◆ **BSS** is **On**.	92
	◆ **Auto Bracketing** is set to 🄱🄺🅃 **Auto Bracketing** or 🆆🅱 **WB bracketing** in **P** or **A** mode.	93
Colors are unnatural	• White balance does not match light source.	52
Picture or voice memo cannot be played back	• Picture or voice memo has been overwritten or renamed by computer or by another make of camera.	–
Copy cannot be created using small picture, crop, or D-Lighting	• Picture is a movie. Retouched copy can be created only for still pictures.	76
	• Picture is a retouched copy.	76
	• There is not enough free space in the memory or on the memory card to store new copy. Delete unwanted pictures from the memory to make free space.	111
Cannot zoom in on picture	• Picture is a movie.	
	• Picture was created with **Small pic.** option.	57
	• Picture has been cropped to sizes of 320×240 pixels or smaller.	

Problem	Possible cause	🟡
PictureProject does not start when camera is connected or memory card inserted in card reader or card slot	• Camera is off. • The optional EH-62C AC adapter kit is not properly connected, or battery is exhausted. • UC-E6 USB cable is not correctly connected, or card not properly inserted in card reader or card slot. • **USB** in the **Interface** menu set to **PTP** when camera connected to computer running Windows 2000 Professional, Windows Millennium Edition (Me), or Windows 98 Second Edition (SE). • Camera is not registered in Device Manager (Windows only). *See PictureProject Reference Manual (on CD) for further information.*	14 14 62 61 –
CHOOSE PROFILE screen does not appear in Wireless transfer mode	• Set the **USB** option to **PTP** in the **Interface** menu of the setup menu.	61
Signal is weak	• Set host. • Move closer to the access point. • Remove any obstacles between the camera antenna and computer. • Change camera facing.	138 –
Signal was interrupted and picture could not be sent	• Turn the camera off and then turn it on again.	141

Technical Notes

Specifications

Type	COOLPIX P1/P2 digital camera
Effective pixels	8.0 million (for COOLPIX P1)/5.1 million (for COOLPIX P2)
CCD	1/1.8 in. high-density CCD; total pixels: 8.31 million (for COOLPIX P1)/5.26 million (for COOLPIX P2)
Image size (pixels)	• 3,264×2,448 [8M] (for only COOLPIX P1) • 2,592×1,944 [5M] • 2,048×1,536 [3M] • 1,600×1,200 [2M] • 1,280×960 [1M] • 1,024×768 [PC] • 640×480 [TV] • 3,264×2,176 [3:2] (for COOLPIX P1) • 2,592×1,728 [3:2] (for COOLPIX P2)
Lens	3.5× Zoom-Nikkor ED lens
Focal length	F=7.5 - 26.3 mm (35-mm [135] camera-format equivalent: 36 - 126 mm)
f/-number	f/2.7 - f/5.2
Construction	Seven elements in six groups
Digital zoom	Up to 4× (35-mm [135] camera-format equivalent: 504 mm)
Autofocus (AF)	Contrast-detect through-the-lens (TTL) AF, AF-assist illuminator
Focus range	50 cm/1 ft. 8 in. - ∞; macro mode 4 cm/1.6 in. (W) - ∞
Focus area selection	Auto (nine-area automatic selection), Manual (99-area manual selection), Center (center focus area selection)
AF-assist illuminator	CLASS 1 LED PRODUCT (IEC60825-1 Edition 1.2^{-2001}) Maximum output: 1900μW
Monitor	2.5 in., 110,000-dot, amorphous silicon TFT transflective LCD with brightness adjustment
Frame coverage (shooting mode)	Approximately 100% horizontal and 97% vertical
Storage	
Media	Internal memory (approximately 32 MB for COOLPIX P1/16 MB for COOLPIX P2)/SD (Secure Digital) Memory cards
File system	Compliant with Design Rule for Camera File System (DCF), Exif 2.2, and Digital Print Order Format (DPOF)
File formats	Compressed: JPEG-baseline-compliant (1:4, 1:8, 1:16) Movies: QuickTime Sound files: WAV

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Exposure		
Metering	Four mode through-the-lens (TTL) metering; • 256-segment matrix • Spot • Center-weighted • Spot AF area	
Exposure control	Programmed auto, Aperture-priority auto, Exposure compensation (-2.0 – +2.0 EV in steps of 1/3 EV), Auto bracketing	
Range	W: -1.0 – +19.0 EV T: +0.5 – +19.0 EV (Sensitivity: Auto)	
Shutter	Mechanical and charge-coupled electronic shutter	
Speed	$8 - {}^1/_{2,000}$ s	
Aperture	Three-blade hexagonal iris diaphragm	
Range	10 (in steps of 1/3 EV)	
ISO Sensitivity (Recommended Exposure Index)	Approximately equivalent to ISO 50 (for COOLPIX P1), ISO 64 (for COOLPIX P2), 100, 200, 400; Auto (auto gain to ISO 200 equivalent)	
Self-timer	Ten-second, three-second duration	
Built-in Flash		
Range (approx.)	W: 0.5 - 3.8 m/1 ft. 8 in. - 12 ft. 6 in. T: 0.5 - 2.0 m/1 ft. 8 in. - 6 ft. 7 in. (Sensitivity: Auto)	
Flash control	Sensor flash system	
Interface	Hi-Speed USB 2.0, IEEE802.11/b11g	
Video output	Can be selected from NTSC and PAL	
I/O terminals	DC in; Digital I/O (audio-visual out and USB)	
Supported language	Chinese (Simplified and Traditional), Dutch, English, French, German, Italian, Japanese, Korean, Russian, Spanish, Swedish	
Power sources	• One rechargeable Nikon EN-EL8 rechargeable lithium-ion battery (supplied) • EH-62C AC adapter kit (available separately)	
Approximate battery life	Approximately 180 shots for COOLPIX P1/190 shots for COOLPIX P2 Based on CIPA standard[*1]	
Dimensions (W×H×D)	Approximately 91 × 60 × 39 mm/3.6 in. × 2.4 in. × 1.5 in. (excluding projection parts)	
Approximate weight	170 g (6.0 oz) without battery or memory card	
Operating environment		
Temperature	$0 - 40°C$ ($32 - 104°F$)	
Humidity	Less than 85% (no condensation)	

Technical Notes

Wireless Transfer	
Standards	IEEE 802.11b/g (standard wireless LAN protocol), ARIB STD-T66 (standard for low power data communications systems)
Communication protocols	IEEE 802.11g: OFDM IEEE 802.11b: DBPSK, DQPSK, CCK
Range (line of sight)	Approximately 30 m (98 ft.)
Operating frequency	2412–2462 MHz (11 channels)
Data rates *2	IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, and 54 Mbps IEEE 802.11b: 1, 2, 5.5, and 11 Mbps
Security	TKIP, 128/64-bit WEP
Access protocols	Infrastructure/ad-hoc

*1 Industry standard for measuring life of camera batteries. Measured at 25°C (77°F); zoom adjusted with each shot, built-in flash fired with every other shot, image mode set to NORM/**8M** (for COOLPIX P1) or NORM/**5M** (for COOLPIX P2).

*2 Maximum logical data rates according to IEEE standard. Actual rates may differ.

MH-62 Battery Charger

Rated input	AC 100 - 240 V, 50/60 Hz, 0.12 - 0.08 A
Charging output	DC 4.2 V/950 mA
Compatible batteries	Nikon EN-EL8 rechargeable Li-ion batteries
Charging time	Approximately 2.0 hrs when no charge remains
Operating temperature	0 - 40°C (+32 - 104°F)
Dimensions	Approximately 67 × 26 × 67 mm/2.6 in. × 1.0 in. × 2.6 in. (W×H×D)
Length of cord	Approximately 1,800 mm (70.9 in.)
Weight	Approximately 70 g (2.5 oz), excluding power cable

EN-EL8 Rechargeable Li-ion Battery

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

Technical Notes

🖉 **Design Rule for Camera File System (DCF)**

Your camera conforms to the **D**esign Rule for **C**amera **F**ile System (DCF), a standard widely used in the digital camera industry to ensure compatibility among different makes of camera.

🖉 **Exif Version 2.2**

Your camera supports Exif (**Ex**changeable **I**mage **F**ile Format for Digital Still Cameras) version 2.2, a standard that allows information stored with pictures to be used for optimal color reproduction when images are output on Exif-compliant printers.

🖉 **Specifications**

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

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Technical Notes

Nikon

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