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**	XXX	XXX	XXX
	NORMAL	XXX	XXX	XXX
	BASIC	XXX	XXX	XXX
5M 2592 × 1944 (default setting for P2)	**FINE**	XXX	XXX	XXX
	NORMAL	XXX	XXX	XXX
	BASIC	XXX	XXX	XXX
3M 2048 × 1536	**FINE**	XXX	XXX	XXX
	NORMAL	XXX	XXX	XXX
	BASIC	XXX	XXX	XXX
2M 1600 × 1200	**FINE**	XXX	XXX	XXX
	NORMAL	XXX	XXX	XXX
	BASIC	XXX	XXX	XXX
1M 1280 × 960	**FINE**	XXX	XXX	XXX
	NORMAL	XXX	XXX	XXX
	BASIC	XXX	XXX	XXX
PC 1024 × 768	**FINE**	XXX	XXX	XXX
	NORMAL	XXX	XXX	XXX
	BASIC	XXX	XXX	XXX
TV 640 × 480	**FINE**	XXX	XXX	XXX
	NORMAL	XXX	XXX	XXX
	BASIC	XXX	XXX	XXX
3:2 3264 × 2176 (for P1)	**FINE**	XXX	XXX	XXX
	NORMAL	XXX	XXX	XXX
	BASIC	XXX	XXX	XXX
3:2 2592 × 1728 (for P2)	**FINE**	XXX	XXX	XXX
	NORMAL	XXX	XXX	XXX
	BASIC	XXX	XXX	XXX

• If memory remains for more than 999 pictures, camera exposure count display will show 999.

• 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

49

ISO Taking Pictures Using Sensitivity: Setting Sensitivity

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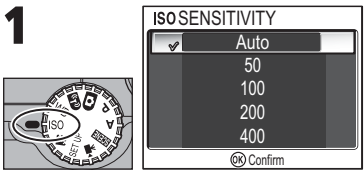
In **P** and **A** modes, sensitivity can be selected from the following options:

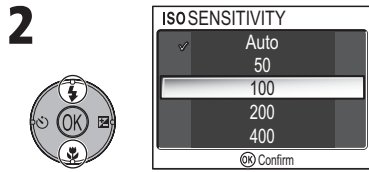| Option	Description
Auto (default setting)	Approximately equivalent to ISO 50 (for COOLPIX P1) or ISO 64 (for COOLPIX P2) under normal conditions; when lighting is poor, however, camera automatically compensates by raising sensitivity to maximum of ISO 200 equivalent.
50	Approximately equivalent to ISO 50.
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.

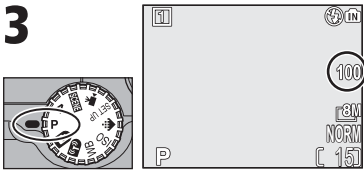To choose a value for sensitivity:

1 SENSITIVITY menu is displayed.

2 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**, **100**, or **200** when using the flash (🔣27).

🖉 **The Shooting Menu**

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

More on Photography

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** 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).
☀ **Daylight**		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.

More on Photography

52

Setting White Balance

To choose a white balance setting:

1	**WB** WHITE BALANCE 1/2	2	**WB** WHITE BALANCE 1/2
	A-WB Auto		A-WB Auto
	PRE White bal. preset		PRE White bal. preset
	☀ Direct sunlight		☀ Direct sunlight
	☀ Incandescent		☀ Incandescent
	☀ Fluorescent		☀ Fluorescent
	ⓄⓀ Confirm		ⓄⓀ Confirm
WHITE BALANCE menu is displayed.		Highlight option and press ⓄⓀ.	

3	🗂	ⓘⓝ	At settings other than **A-WB**, current set-
			ting is shown in shooting display.
	⊛	📷8M	
		NORM	
	P 1/60 F2.7 [15]		

More on Photography

53

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
         OK Confirm
```
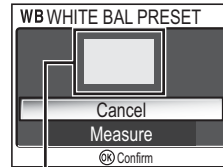
White balance measuring window

<div style="writing-mode: vertical">More on Photography</div>

| 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 WB **WB bracketing**, preset white balance cannot be used.

54

More on Playback

Viewing Pictures on the Camera
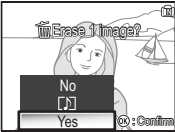
Full-screen Playback Mode

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 in Wireless transfer mode).

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.
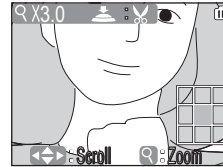
To	Press	Description
Highlight pictures		Use multi selector to highlight pictures.
Change number of pictures displayed	▦(**W**)/ Q(**T**)	With 4 thumbnails displayed, press the ▦ (**W**) button once to view 9 thumbnails. With 9 thumbnails displayed, press the ▦ (**W**) button once to view 16 thumbnails. 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

Taking a Closer Look: 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 (🔲57).
While Quick playback zoom is in effect, use Q (**T**) and ⊞ (**W**) to zoom the picture in and out.

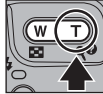| To	Press	Description
Zoom in	Q(**T**)	Press Q (**T**) while quick playback zoom is in effect to increase zoom to a maximum of 10×. While image is zoomed in, Q icon and zoom ratio are displayed in top left corner of monitor.
View other areas of picture		Use multi selector to scroll to areas of picture not visible in monitor. To use multi selector to view other pictures, cancel zoom.
Zoom out	⊞(**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 (640 × 480 pixels or smaller) (🔲77).

56

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.

Histogram display

Press $\circledR$ 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

> 0025.JPG
> • P
> • 1/60
> • F2.7
> • 🔲 0.0
> • AUTO
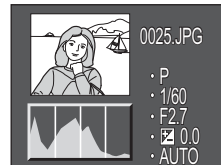
> ### 🖉 Images in the Memory
>
> The pictures in the memory and on the memory card cannot be displayed simultaneously. To display pictures stored in the memory, select either of the following:
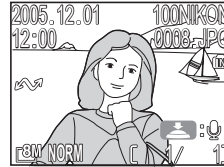> • Remove the memory card from the camera, and display the pictures.
> • Copy pictures stored in the memory to a memory card (🔲114), and display the pictures.

> ### 🖉 Shooting Information
>
> The shooting conditions displayed in the full-screen playback mode or shooting mode can be specified. See "🔲 Monitor Settings" (🔲120) in the Set-up menu.

More on Playback

57

Voice Memos: Recording and Playback

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

More on Playback

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 playback	⬇ 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	

58

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.

More on Playback

59

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.
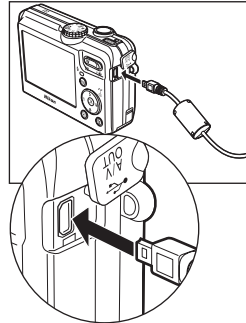
3 Connect the A/V cable to the television or VCR
Insert the yellow plug of the A/V cable into the video-in jack on your television or VCR and the white plug into the audio-in jack.
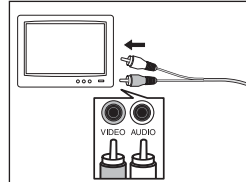
4 Tune the television to the video channel
For more information, see the manual for your television or VCR.

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 (🔲129). Be sure that the standard selected matches that used in the device.

60

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" (🖼133) for more information.
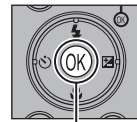
Before Connecting the Camera

Pictures can be copied from the camera to the computer by:
- Pressing the ⊛ (Transfer 〰) button 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

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

* The camera ⊛ (〰) button 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.

61

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
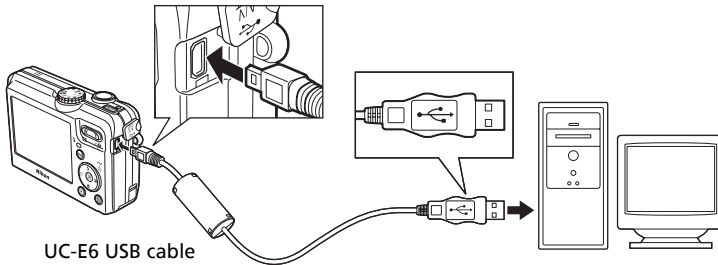
You can now turn the camera on.

More on Playback

🖉 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.

62

Transferring Images

When the PictureProject Transfer is displayed in the computer monitor, pressing the Ⓞ (Transfer ⋏) button 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 ⋏) Button

When the PictureProject transfer screen is displayed in the computer monitor, press the Ⓞ (Transfer ⋏) button on the camera. Images marked with an ⋏ icon (🔲112, 130) will be transferred. When the Ⓞ (Transfer ⋏) button is pressed, the transfer will start 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 the camera Ⓞ (Transfer ⋏) button, 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, the camera Ⓞ (Transfer ⋏) button 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 the Ⓞ (Transfer ⋏) button 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

63

Disconnecting the Camera

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

When **Mass Storage** (default setting) 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.
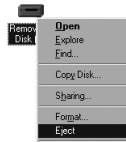
Windows Me
Click the 🔌 (Unplug or Eject Hardware) icon in the taskbar and select **Stop USB Disk** from the menu that appears.
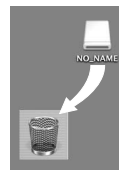
Windows 98SE
In My Computer, click with the right mouse button on the removable disk corresponding to the camera and select **Eject** from the menu that appears.

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

Mac OS X

64

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. Depending on the digital photo lab, take the camera and ask for printing.	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**[*2] into a printer equipped with a card slot, and print them.		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.		XXX

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

*2 A separate dongle must be purchased. For more information, see the manual for the dongle.

📷 **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 using PictureProject 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
▣▣▣ **Print selected**	Set to print selected pictures.
XXX **Choose date**	Set to print all pictures from a selected date.
凸 **Delete print set**	Delete all print settings.

To use 凸 **Print set**:

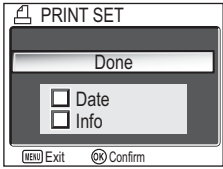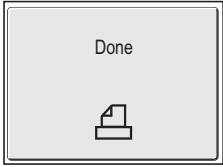| **1**	**2**
▣ PLAYBACK MENU 1/2 🗓 List by date 🔳 D-Lighting 凸 Print set ▣ Slide show 🗑 Delete 🔲 Exit ⓞ Confirm ⑦ Help	凸 PRINT SET ▣▣▣ Print selected ▷ 🗓 Choose date 凸 Delete print set 🔲 Exit ⓞ Confirm
Highlight **Print set** in the playback menu and press ⓞ.	Highlight **Print selected** and press ⓞ. • To cancel all print settings, highlight **Delete print set** and press ⓞ.
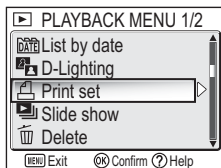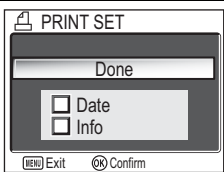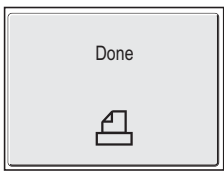
More on Playback

66
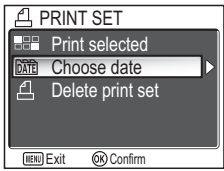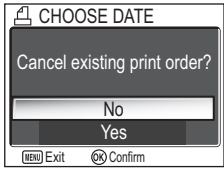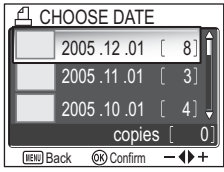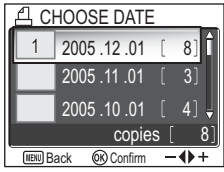
3 Scroll through pictures.

🖶 PRINT SELECTION

2005 .12 .01
12:00　　　　[4/ 5]
[MENU] Back　　⊙K Confirm

4 Select current picture. 1 (number of prints) and 🖶 icon are marked on the selected picture.

🖶 PRINT SELECTION

2005 .12 .01
12:00　　　　[4/ 5]
[MENU] Back　　⊙K Confirm

5

🖶 PRINT SELECTION

2005 .12 .01
12:00　　　　[4/ 5]
[MENU] Exit　　⊙K Confirm

Use multi selector up (+) or down (–) to specify number of prints (up to 9) and press ⊙K.
- 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

Done

☐ Date
☐ Info

[MENU] Exit　　⊙K Confirm

▼

Done

🖶

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 ⊙K. ✔ will appear in box next to item.
- To print shutter speed and aperture on all pictures in print order, highlight **Info** and press ⊙K. ✔ will appear in box next to item.
- To turn selected item off, highlight and press ⊙K.
- To complete print order and return to playback, highlight **Done** and press ⊙K. **Done** is displayed and the screen returns to the Playback menu.

More on Playback

67

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 **DATE** Choose date ▶ 🖪 Delete print set MENU Exit OK Confirm	**2**	🖪 CHOOSE DATE Cancel existing print order? No Yes MENU Exit OK Confirm

In the PRINT SET screen (🖐66), highlight **Choose date** and press ⓪.
• If individual print orders are not being set, advance to step 3.

Highlight **Yes** and press ⓪.
• To cancel, highlight **No** and press ⓪.

3	🖪 CHOOSE DATE 2005 .12 .01 [8] 2005 .11 .01 [3] 2005 .10 .01 [4] copies [0] MENU Back OK Confirm –◀▶+	**4**	🖪 CHOOSE DATE 1 2005 .12 .01 [8] 2005 .11 .01 [3] 2005 .10 .01 [4] copies [8] MENU Back OK Confirm –◀▶+

Select date.

Set print order and press ⓪.
• 1 (number of prints) and 🖪 icon are marked on the selected picture.
• Use multi selector right or left to specify number of prints (up to 9) (🖐66).

5	🖪 PRINT SET Done ☐ Date ☐ Info MENU Exit OK Confirm ⬇ Done 🖪

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 ⓪. ✔ will appear in box next to the item.
• To print shutter speed and aperture on all pictures in print order, highlight **Info** and press ⓪. ✔ will appear in box next to item.
• To turn selected item off, highlight and press ⓪.
• To complete print order and return to playback, highlight **Done** and press ⓪. **Done** is displayed and the screen returns to the Playback menu.

More on Playback

68

📝 **Print Set**

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

🔍 **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, the date of **Date imprint** option will be printed even if using a printer that supports DPOF.

🔍 **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.

More on Playback

69

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

            ⓞⓚ Confirm
```
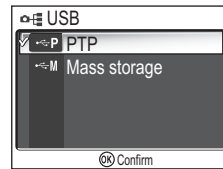
2 Connect the USB cable

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.**
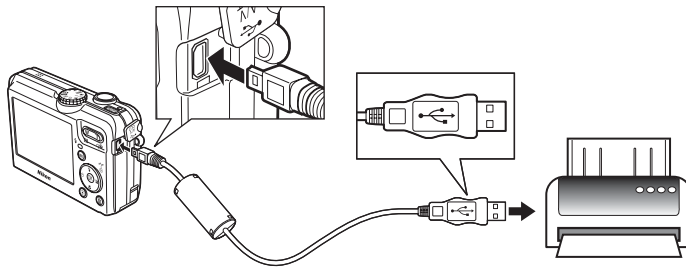
✐ Before Printing

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.

70

More on Playback

3 Turn the camera and printer on

The lens will extend and the recorded picture will be displayed after the opening screen.
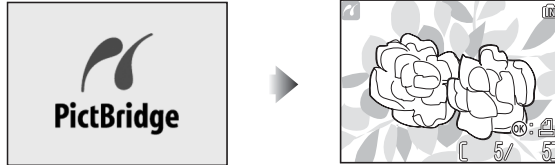
- Press ■ (**W**) or ⚲ (**T**) to switch to thumbnail view.
- Press ⓚ to print only the displayed image. (🖼74)

4 Display the PictBridge menu.

Press the MENU button to display the PictBridge menu.
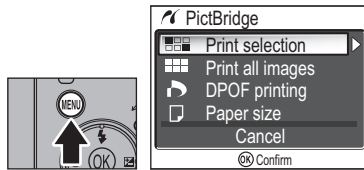
- Press the MENU button to return to the picture display.

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.
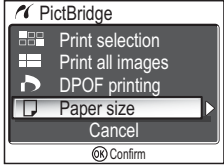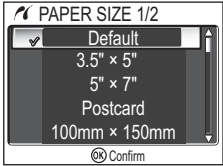
5 Confirm the settings on the printer

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**.
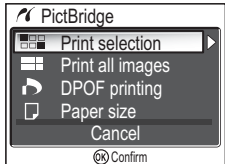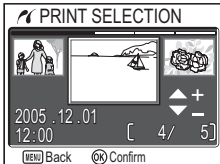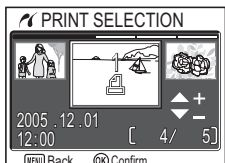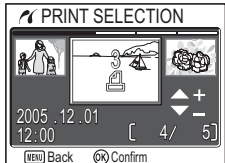
To Set the Size of Paper on the Camera

When printing according to the size of paper that can be set on the camera, select the **Paper size** option in the **PictBridge** dialog.
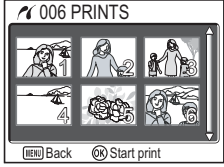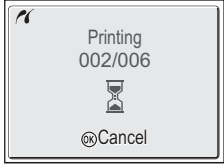
<table>
<tr>
<td>**1**</td>
<td>
PictBridge
- Print selection
- Print all images
- DPOF printing
- Paper size ▶
- Cancel

Ⓢ Confirm
</td>
<td>**2**</td>
<td>
PAPER SIZE 1/2
- Default
- 3.5" × 5"
- 5" × 7"
- Postcard
- 100mm × 150mm

Ⓢ Confirm
</td>
</tr>
<tr>
<td colspan="2">
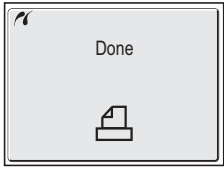Highlight **Paper size** and press Ⓢ.
</td>
<td colspan="2">
Select size of paper and press Ⓢ.
- Select **Default** to print according to the paper settings of the printer.
- Following size options can be selected: **3.5" × 5"** (89mm × 127mm), **5" × 7"** (127mm × 178mm), **Postcard**, **100mm × 150mm** (3.9" × 5.9"), **4" × 6"** (102mm × 152mm), **8" × 10"** (203mm × 254mm), **Letter** (8.5" × 11", 216mm × 279mm), **A3** (11.7" × 16.5", 297mm × 420mm), and **A4** (8.3" × 11.7", 210mm × 297mm) Selectable size options may vary depending on the printer.
</td>
</tr>
</table>

More on Playback

72

6 Select pictures to print

1	**PictBridge** **Print selection** ▶ Print all images DPOF printing Paper size Cancel ⑯ Confirm	**2**	**PRINT SELECTION** 2005 .12 .01 12:00 [4/ 5] MENU Back ⑯ Confirm
Highlight **Print selection** and press ⑯. • To print one copy of all pictures in the memory or on the memory card, highlight **Print all images** and press ⑯.		Scroll through pictures.	

|		
3	**PRINT SELECTION** 2005 .12 .01 12:00 [4/ 5] MENU Back ⑯ 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 ⑯ 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

73

5

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.

006 PRINTS

MENU Back   OK Start print

6

Start printing.
• To interrupt printing, press ⊛.

Printing
002/006

⊛Cancel

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 PictBrigde 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
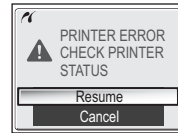
🔍 **Printing Displayed Picture**

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 ⊛.
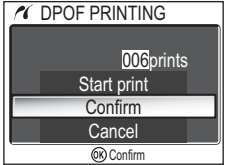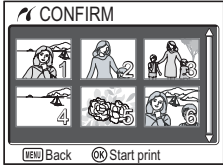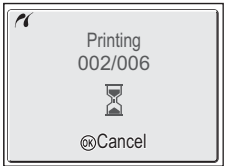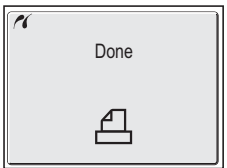To change the number of prints or paper size, press multi selector up or down and select **Copies** or **Paper size**.

PRINT MENU
Start print
Copies
Paper size
OK Confirm

74
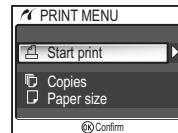
Directly Printing the Pictures Specified in a Print Set

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 006 prints Start print Confirm Cancel Confirm	**2**	CONFIRM 1 4 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 PictBrigde 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**.

75

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

Editing copies that have already been edited have restrictions as follows.

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" (🔲157).

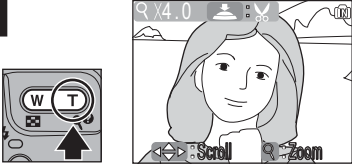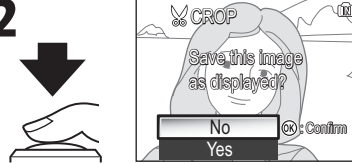### 🖉 Other Restrictions on Editing Pictures

- Pictures cannot be edited if **Image size** is set to ꞈ3:2, or if recorded with 🔲 **Ultra HS** or 🔲 **Intvl timer shooting**.
- Pictures cannot be trimmed if recorded with Panorama assist mode.

🖉 Images in the Memory

- 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.

76

Picture Editing

Cropping Pictures – Crop

When a picture is displayed in the Playback zoom mode (🖼️56), you can crop part of a picture and save it as a separate file.

1

Q X4.0

◁▷: Scroll   ℚ: Zoom

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

2

✂️ CROP

Save this Image
as displayed?

No   ⊛: Confirm
Yes

The confirmation dialog displayed. Press multi selector down to highlight **Yes**, and press ⊛ to create cropped copy.
• To exit without creating copy, high-light **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

77
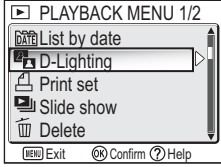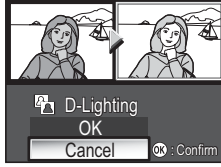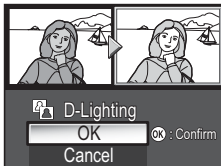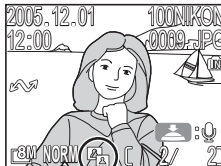
Enhancing Contrast: D-Lighting

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.
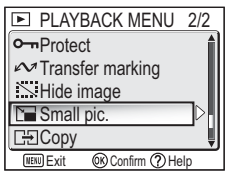

Picture Editing

1	**PLAYBACK MENU 1/2** List by date **D-Lighting** Print set Slide show Delete Exit Confirm Help	**2**	D-Lighting OK Cancel : Confirm
Highlight **D-Lighting** in the Playback menu.		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 : Confirm Cancel	**4**	2005.12.01 100NIKON 12:00 0009.JPG 8M NORM 2
Highlight **OK**. • Select **Cancel** to exit.		Save adjustments. • D-lighting icon is displayed on pictures created with D-Lighting.	

78

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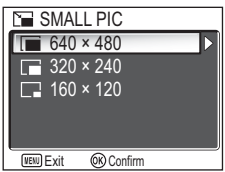
Size (pixels)	Description
▪ **640×480**	Copy can be displayed full-screen on television or 13″ monitor with no drop in quality.
▫ **320×240**	Suited to display on web pages. Small file size reduces time needed to display picture in web browser.
▫ **160×120**	Copy can be sent and received quickly as e-mail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

1

▶ PLAYBACK MENU 2/2
on Protect
⤳ Transfer marking
▦ Hide image
⊡ Small pic.
⊞ Copy
MENU Exit   OK Confirm ? Help
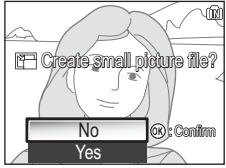
Highlight **Small pic.** in the playback menu and press ⊛.

2

⊡ SMALL PIC
▪ 640 × 480
▫ 320 × 240
▫ 160 × 120
MENU Exit   OK Confirm

Highlight the picture size.

3

⊡ Create small picture file?
No
Yes
OK : Confirm

Confirmation dialog displayed.
Highlight **Yes** and press ⊛ to copy the picture.
• Highlight **No** and press ⊛ to exit without creating copy.

Picture Editing
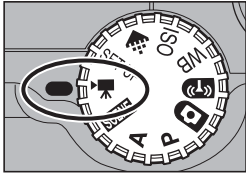
📝 **Notes on Small Picture**

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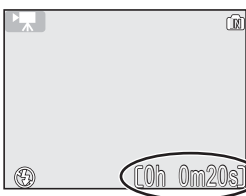
Movies

🎥 Recording Movies

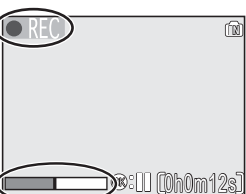Movies will be recorded with sound recorded via the camera's built-in microphone. To record a movie:

1 Rotate the mode dial to 🎥

2 Turn the camera on
The monitor shows the available recording time.

[0h 0m20s]

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 ⑯ to pause recording. Press ⑯ 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, "CANNOT RECORD MOVIE" 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 ⑨ 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.

80

Movies

Selecting Movie Options

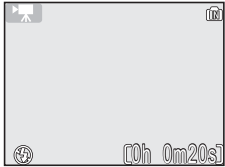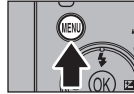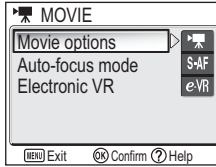In Movie options, you can select the type of movie depending on how you plan to use the movie.
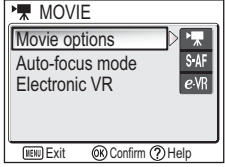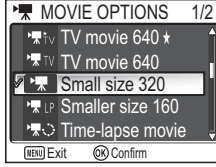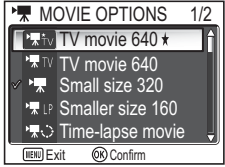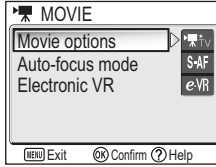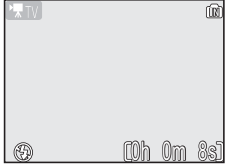
Option	Description	Max. recording time*		
		Memory		Memory card
		About 32 MB (for P1)	About 16 MB (for P2)	256 MB
▶■✱TV **TV movie 640 ★**	Movies are recorded at 30 frames per second. Each frame is 640 × 480 pixels.	XXXs	XXXs	XXXmXX Xs**
▶■TV **TV movie 640**	Movies are recorded at 15 frames per second. Each frame is 640 × 480 pixels.	XXXs	XXXs	XXXmXX Xs
▶■ **Small size 320** (default setting)	Movies are recorded at 15 frames per second. Each frame is 320 × 240 pixels.	XXXs	XXXs	XXXmXX Xs
▶■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.	XXXm XXXs	XXXm XXXs	XXXm
▶■◌ **Time-lapse movie**	Camera takes up to 1050 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.	XXXs	XXXs	XXXs
▶■SE **Sepia movie 320**	Record sepia-toned movies at 5 frames per second and frame size of 320 × 240.	XXXm XXXs	XXXm XXXs	XXXmXX Xs
▶■BW **B/W movie 320**	Record black-and-white movies at 15 frames per second and frame size of 320 × 240.	XXXm XXXs	XXXm XXXs	XXXmXX Xs

* 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.

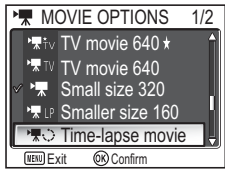** To prevent **TV movie 640 ★** from ending unexpectedly, use card rated for 10MB/s.
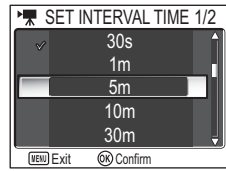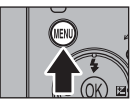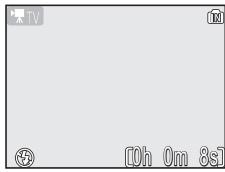
Movies

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

Movies

81

1

Rotate the mode dial to 🎥.

2

🎥 MOVIE

Movie options

Auto-focus mode

Electronic VR

MENU Exit   OK Confirm ⑦ Help

Movie menu is displayed.

3

🎥 MOVIE

Movie options

Auto-focus mode

Electronic VR

MENU Exit   OK Confirm ⑦ Help

Highlight **MOVIE OPTIONS**.

4

🎥 MOVIE OPTIONS   1/2

🎥TV TV movie 640 ★

🎥TV TV movie 640

🎥 Small size 320

🎥LP Smaller size 160

🎥○ Time-lapse movie

MENU Exit   OK Confirm

Options menu is displayed.

5

🎥 MOVIE OPTIONS   1/2

🎥TV TV movie 640 ★

🎥TV TV movie 640

🎥 Small size 320

🎥LP Smaller size 160

🎥○ Time-lapse movie

MENU Exit   OK Confirm

Highlight movie type.
• Press multi selector left to return to previous screen.

6

🎥 MOVIE

Movie options

Auto-focus mode

Electronic VR

MENU Exit   OK Confirm ⑦ Help

Exit menu. Selected option is set.

7

Return to Movie shooting screen.

Movies

82

Recording a Time-Lapse Movie

Selecting **Time-lapse movie** from the MOVIE menu displays the menu shown in Step 1, below.

1 MOVIE OPTIONS 1/2 ★Tv TV movie 640 ★ ★Tv TV movie 640 ★ Small size 320 ★LP Smaller size 160 ★⟳ Time-lapse movie MENU Exit OK Confirm Highlight **Time-lapse movie** and press ⊛.	**2** ★ SET INTERVAL TIME 1/2 30s 1m 5m 10m 30m MENU Exit OK Confirm 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 shooting display.
3 ★Tv [0h 0m 8s]	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 1050 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.

83

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.
2·VR **Off** (default setting)	Vibration reduction off.

Movies

84

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.
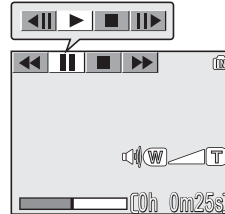
Control	Button	Description
Rewind	◀◀	While movie is in progress, use multi selector to select ◀◀, then press and hold ⓞ.
Advance	▶▶	Use multi selector to select ▶▶, then press and hold ⓞ. Playback ends at the last frame.
Pause	❚❚	Use multi selector to select ❚❚, then press ⓞ to pause display.
Rewind 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. 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
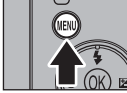• **No** : exit to playback mode without deleting the movie

85

The Shooting Menu

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 **⑤ Single**, **⑭ Continuous H**, **⑤5 shot buffer**, and **⑭ 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 **Off**.	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 dotted noise 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

86

To display the Shooting menu:

1		**2**	SHOOTING MENU 1/4

1

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

2

SHOOTING MENU 1/4

White balance | A-WB
Metering
Continuous | S
BSS | BSS
Auto bracketing

MENU Exit   OK Confirm ? Help

Shooting menu is displayed.
The most recent values for the menu options are displayed selected.

3

SHOOTING MENU 1/4

White balance | A-WB
Metering
Continuous | S
BSS | BSS
Auto bracketing

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

P 1/60   F2.7 15

Return to Shooting screen.

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

The Shooting Menu

⏣ **Metering**

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

```
⏣ METERING
⏣ Matrix
⊙ Center-weighted
⊡ Spot
⊞ Spot AF area

MENU Exit    OK Confirm
```

The Metering menu offers a choice of four metering methods for determining how the camera sets exposure.

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).

The Shooting Menu

🖉 **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**

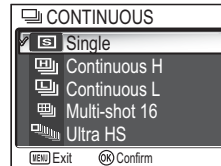When ⊙ **Center-weighted** or ⊡ **Spot** is selected, the metering target is displayed in the center of the monitor.
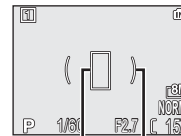
Spot metering target
Center-weighted metering target

88

🖵 **Continuous**

Rotate the mode dial to **P** or **A** and press the MENU button to select **Continuous**, and then press ⑳.

```
🖵 CONTINUOUS
  ✓ ⑤ Single
    🖵 Continuous H
    🖵 Continuous L
    🖵 Multi-shot 16
    🖵 Ultra HS
MENU Exit    ⑳ Confirm
```

Depending on the shooting condition, ⑤ **Single** or six continuous options can be selected.

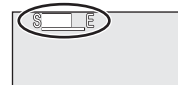| Option	Description
⑤ **Single** (default setting)	Camera takes one picture each time shutter-release button is pressed.
🖵 **Continuous H**	While shutter-release button is pressed, camera records up to 5 pictures (for COOLPIX P1) or 3 pictures (for COOLPIX P2) at up to 2.5 frames per second.
🖵 **Continuous L**	Camera shoots at up to 1.5 frames per second while shutter-release button is pressed. Number of pictures that can be recorded before ⌛ icon is displayed and shooting is suspended varies with image mode; up to XXX FINE/⌈8M⌋ pictures (for P1) or XXX FINE/⌈5M⌋ pictures (for P2) can be recorded.
🖵 **Multi-shot 16**	Each time shutter-release button is pressed down, camera takes 16 consecutive shots at rate of about 1.5 frames per second. Camera arranges pictures in four rows to form a single picture measuring 3,264 × 2,448 pixels (for P1) or 2,592 × 1,944 pixels (for P2).
🖵 **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 ⌈TV⌋ **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

89

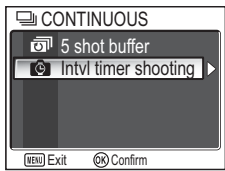| Option	Description
🔲 **5 shot buffer**	While shutter-release button is pressed and held, pictures can be recorded at rate of up to about 1 frame per second. When the shutter button is released, continuous shooting will stop. Only the last five images taken during each continuous shooting burst will 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
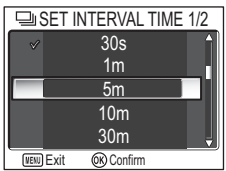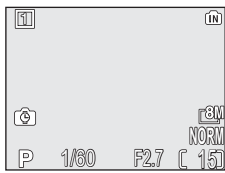
📝 Other Camera Settings

- Settings other than ⓢ **Single** cannot be used in combination with **BSS** (🖃92), **Auto bracketing** (🖃93), or **Noise reduction** (🖃101).
- 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 🔲 **Multishot 16** or 🔲 **Ultra HS**.
- When using the self-timer, ⓢ **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.

90

Interval Timer shooting

1 Highlight **Intvl timer shooting** and press ⓞ.

> ⌣ CONTINUOUS
> 🔲 5 shot buffer
> ⏱ Intvl timer shooting ▶
> MENU Exit   OK Confirm

2 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.

> ⌣ SET INTERVAL TIME 1/2
> ✓ 30s
> 1m
> 5m
> 10m
> 30m
> MENU Exit   OK Confirm

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.

The Shooting Menu

Notes on Interval Timer shooting

- To prevent shooting from ending unexpectedly, use the optional EH-62C AC adapter for interval timer photography.
- Because the same settings are used during Interval timer shooting, setting Continuous mode to ⓢ **Single** is recommended.

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.

91

BSS Best Shot Selector

Rotate the mode dial to **P** or **A** and press the MENU button to select **BSS**, and then press ⑲.

BSS BEST SHOT SELECTOR
- ☑ BSS Off
- BSS On

MENU Exit   ⑲ Confirm
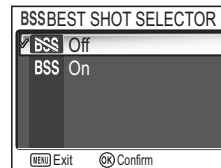
When the "Best Shot Selector" (BSS) is on, the camera takes a maximum of ten pictures as long as the shutter-release button is held down. These images are then compared and the sharpest picture (the picture with highest level of detail) is saved to the memory or memory card. BSS is recommended for situations 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.

The Shooting Menu

🖉 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.
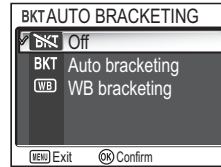
🖉 Restrictions on BSS

BSS cannot be used with the self timer (🖫30), **Continuous** (🖫89) settings other than ⓢ **Single**, BKT **Auto bracketing**, 🗓 **WB bracketing** (🖫93), or **Noise reduction** (🖫101).

92

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 takes 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 BKT Auto Bracketing is set

- The Flash mode is set to ⓩ.
- **Noise reduction** (🖪101) has no effect even if this option is set to **On**.

🖉 Restrictions on Auto Bracketing

- **Auto bracketing** cannot be used with **Continuous** settings other than 🅂 **Single**, or **BSS**. The latest setting is used and the earlier setting is canceled.
- 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 **Auto bracketing** are set simultaneously, exposure will be compensated at the sum of both compensation values.

The Shooting Menu

93

📷 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 ⓘ.

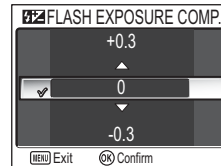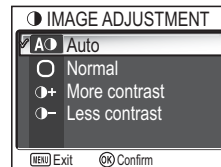📷FLASH EXPOSURE COMP.
+0.3
▲
0 ✓
▼
-0.3
MENU Exit   ⓘ Confirm

◐ 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.

The Shooting Menu

94

◆ 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.

◆ IMAGE SHARPENING
A◆ Auto
◆ High
◆ Normal
◯ Low
⬲ Off
MENU Exit   OK Confirm
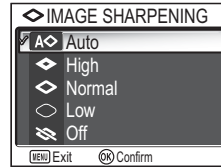
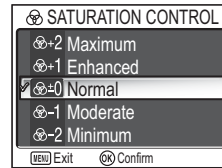| Option	Description
A◆ **Auto** (default setting)	Camera sharpens edges for optimal results; amount of sharpening varies from shot to shot.
◆ **High**	Pictures processed to increase sharpness, making edges more distinct.
◆ **Normal**	Camera performs same standard level of sharpening on all images.
◯ **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.

95

⊛ Saturation Control

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

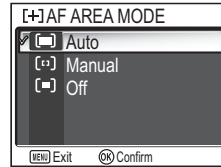This option is used to heighten or reduce the vividness of colors.

⊛ SATURATION CONTROL
⊛+2 Maximum
⊛+1 Enhanced
⊛±0 Normal
⊛-1 Moderate
⊛-2 Minimum
MENU Exit   OK Confirm

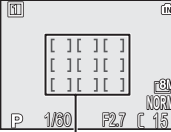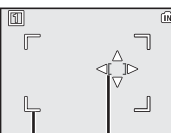| Option	Description
⊛+2 **Maximum**	Use for vivid, photoprint effect when taking pictures that will be printed "as is," without further modification.
⊛+1 **Enhanced**	
⊛±0 **Normal** (default setting)	Best choice in most situations.
⊛-1 **Moderate**	Use when taking pictures that will later be retouched on a computer.
⊛-2 **Minimum**	

The Shooting Menu

96

[+] 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.

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.
[□] **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 [□] Manual Option" (■99).
[■] **Off**	Center focus area is used. This option can be used in combination with AF lock (■98) to focus on off-center subjects.

The Shooting Menu

97

📝 Focus Area Display

- 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. Focus 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 [▪]**Off**.
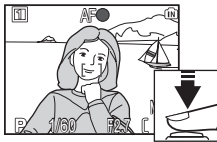
1 Focus

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.
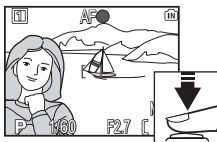
4 Take the picture

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

98