

Chapter 3

Shooting

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Basic Shooting

This section explains the general flow of shooting operation and provides basic shooting instructions.

Operation Flow

To record an image, follow the steps below.

Turn on the Camera



Turn the camera on. → P.24

Select a Recording Mode



Choose from five recording modes (📷 · 🎤 · 📄 · 🖨️ · 📺). For basic shooting, select 📷 (Still Picture) mode. → P.49

Select the Storage Memory



Choose the recording destination from CF card (📷 CARD), PC card (PC CARD) and internal memory (IN). → P.50

Select a Folder



Choose a folder in the storage memory in which to store the image files. → P.51

Select the Image Quality Mode



Choose from nine image quality modes (2048 / FINE · 1024 / FINE · 640 / FINE). → P.52

Check the Position of the Subject



Check the position of the subject in the viewfinder or on the LCD monitor. → P.53

Set the Size of the Subject



Use the zoom lever to decide the size of the subject. → P.54

Shoot

Press the shutter release button. → P.55

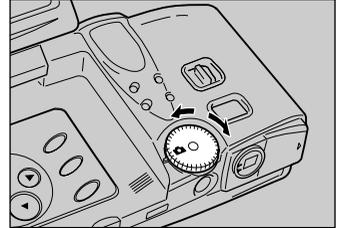
Selecting a Recording Mode

The camera offers five recording modes (📷 · 🗣️ · 📄 · 📺 · 📹). Select the mode best suited to your photographic needs.

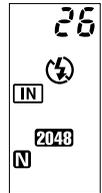
In this section, 📷 (Still Picture) mode is used.

1 Set the mode dial to [📷].

See • P.25 “How to Use the Mode Dial”



The recording data will be displayed on the LCD panel or LCD monitor.



● Switching the LCD Monitor Display

You can change the display on the LCD monitor by pressing the DISPLAY button. The display changes in the following sequence each time the DISPLAY button is pressed: Initial display → Information display → No display → LCD monitor off. → “LCD Monitor Display” (See below)



LCD Monitor Display (Camera Mode)

Press the DISPLAY button to display recording information such as the recording mode, image quality mode, and recordable picture count. Each time you press the DISPLAY button, the display will switch in the following order:

● In Still Picture mode

Initial display Information display No display



LCD
monitor
Off

* 🗣️, 📹 and the recordable time are displayed when the initial display or information display are displayed in Voice Memo mode or Motion Picture mode.

Selecting the Storage Memory

Select the storage memory in which to record the image files.

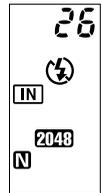
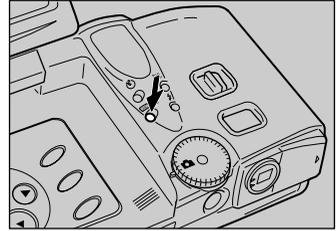
| LCD Panel | LCD Monitor | Recording Destination |
|---|---|---------------------------------------|
|  |  | Records images on the CF card |
|  |  | Records images on the PC card |
|  |  | Records images in the internal memory |

- 1 Press the  button and select the storage memory (CF card, PC card or Internal memory).

The storage memory changes each time the button is pressed.

The storage memory will be displayed.

-  **Note** • You can set the storage memory to be automatically selected when the power is turned on. → P.116 “Keep Settings”



Selecting a Folder

Select a folder in the storage memory in which to store the image files.

① Set the mode dial to [📷, 🎤, 📄, 📺 or 📁].

② Press the MENU button.

③ Select [FOLDER].

The Select Folder menu will be displayed.

④ Select a folder in which to save the files and then select [OK].

The screen will return to the Setup menu.

⑤ Select [EXIT].



The selected folder will be displayed on the LCD monitor.



- Note**
- You can create new folders and delete unnecessary folders. → P.121 “Adding or Deleting a Folder”
 - Up to 9999 images can be stored in a folder.

Selecting an Image Quality Mode

The camera offers nine image quality modes. Select the mode best suited to your photographic needs.

| LCD Panel | LCD Monitor |
|--|---|
| 2048 F N E | 2048 × 1536 F, 2048 × 1536 N, 2048 × 1536 E |
| 1024 F N E | 1024 × 768 F, 1024 × 768 N, 1024 × 768 E |
| 640 F N E | 640 × 480 F, 640 × 480 N, 640 × 480 E |

* The recordable picture count varies as you switch the image quality mode.

* The factory default setting is **2048**, **N**.

1 Press the PIC button and select an image quality mode.

The image quality mode changes each time the button is pressed.

- Note** • To record the image without compressing the data, select the non-compressed (NC) mode. → P.75 “Non-Compressed Mode”

The selected image quality mode will be displayed.

The image quality mode setting will be saved even when the power is turned off.

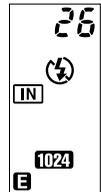
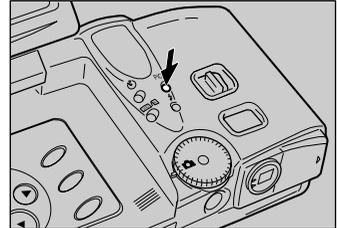


Image quality mode display when the DISPLAY button is pressed. (“Information display” → P.49)



● Data Guide

| Size (No. of pixels) | Image quality (Compression rate) | F Fine | N Normal | E Economy |
|------------------------|-------------------------------------|-------------------------|--------------------------|-------------------------|
| | 2048 2048 × 1536 | | Approx. 1.12 MB/Image | Approx. 568 KB/Image |
| 1024 1024 × 768 | | Approx. 376 KB/Image | Approx. 184 KB/Image | Approx. 88 KB/Image |
| 640 640 × 480 | | Approx. 152 KB/Image | Approx. 72 KB/Image | Approx. 40 KB/Image |

- Note** • Image sizes are 2048 × 1536 pixels, 1024 × 768 pixels and 640 × 480 pixels. Image sizes are indicated as **2048**, **1024** and **640** in this manual and on the product.
- For the recordable picture count by image quality mode, see “Recording Capacities” (P.136).

Checking the Position of the Subject

Check the position of your subject by looking through the viewfinder or at the LCD monitor.

■ Viewing Through the Viewfinder

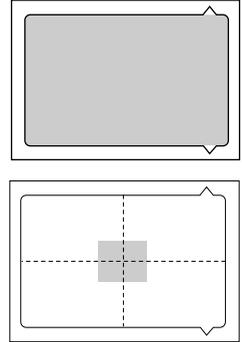
Aim the camera at the subject while looking through the viewfinder.

● Shooting Scope

Frame the subject within the viewfinder.

● Autofocus Field

Located in the center of the viewfinder and roughly corresponding to the area shown on the right, the autofocus field determines the focal distance.



■ Viewing the LCD Monitor

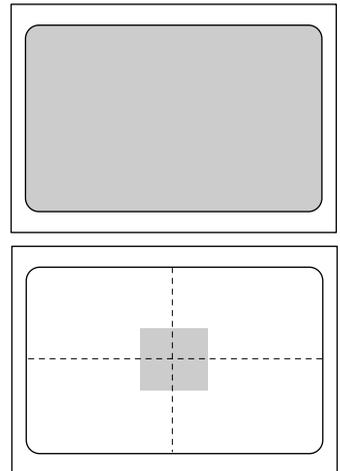
Aim the camera at the subject while looking at the LCD monitor.

● Shooting Scope

Frame the subject within the LCD monitor screen.

● Autofocus Field

Located in the center of the viewfinder and roughly corresponding to the area shown on the right, the autofocus field determines the focal distance.



• The shaded area and dotted lines are shown for illustration purposes only and do not actually appear in the viewfinder or on the LCD monitor.

Setting the Size of the Subject (Zoom)

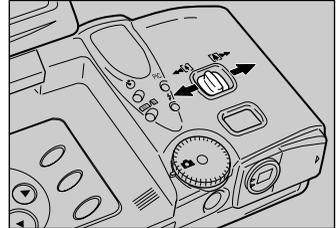
By pressing the zoom lever, you can vary the size of the subject without changing the distance between yourself and the subject (equivalent to 35 – 105 mm in 35 mm format).

1 Press the [▲] side or the [▼] side of the zoom lever.

Pressing the [▲] side will make the subject larger (telephoto setting) and pressing the [▼] side will make the subject smaller (wide setting).

The zoom bar will be displayed on the LCD monitor.

Adjust the size of the subject to your liking.



■ Digital Zoom Function

If you keep the [▲] side of the zoom lever pressed when the lens is at the maximum telephoto position or when macro mode (🌸 symbol is displayed) is set, with the recording mode set on 📷 (Still Picture) mode and the image quality mode set on 640, the digital zoom function is enabled and shots are enlarged 1.3 times, 1.6 times or 3.2 times.

To disable the digital zoom function, return the zoom lever to the [▼] side.



Magnification display

- Note**
- The digital zoom function can be used when the image quality mode is set on 640. It cannot be used in the following cases:
 - * when the recording mode is set on 🗣️ (Voice Memo), 📄 (Text), 📷 (Continuous Shooting) or 📹 (Motion Picture) mode
 - * when the image quality mode is set on non-compressed mode (NC)
 - When using the digital zoom function, decide the composition of the image on the LCD monitor before shooting.

Shooting (Still Picture Mode)

This section explains how to shoot pictures in Still Picture mode. Hold the camera correctly to keep it steady.

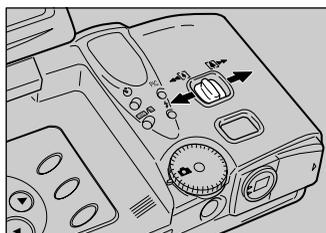
1 Aim the camera at your subject.

- Note**
- Use macro mode to shoot subjects closer than about 24 cm. → P.69 “Close-up Shooting (Macro Mode)”



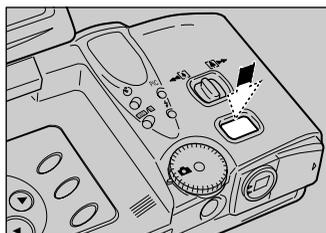
2 Press the zoom lever and decide the size of your subject.

- See**
- P.54 “Setting the Size of the Subject (Zoom)”
 - P.53 “Checking the Position of the Subject”



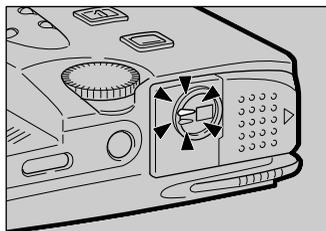
3 Press the shutter release button lightly with your fingertip.

The shutter release button works in a two-step action. When you press it lightly (halfway), the autofocus function is enabled to focus on the subject automatically. Keep the camera as steady as possible to ensure correct focusing.



The AF LED (green) will light when the subject is in focus and the focus, exposure and white balance will be set.

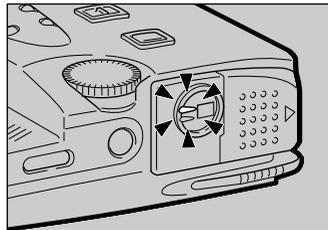
- Note**
- A flashing AF LED indicates that the subject is out of focus. Use the focus lock function. → P.57 “Focus Lock Shooting”
 - If the “SLOW SHUTTER” message appears, you are recommended to shoot with the flash enabled as camera shake tends to occur in this situation. → P.62 “Changing Flash Modes”



● Flash LED

When the flash fires, the flash LED (red) lights when the shutter release button is pressed lightly.

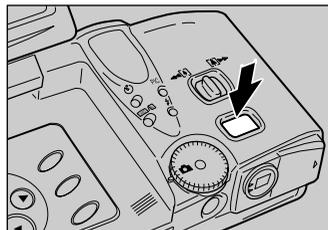
- Note**
- During charging, the flash LED will blink and the display on the LCD monitor will disappear. Photographs cannot be taken at this time.



4 Press the shutter release button down fully without removing your finger.

A beep will sound and the image will be displayed and recorded.

- Note**
- Moving the camera before the beep sounds may result in a blurred image.
 - You can take photographs with a voice memo. → P.61 “Shooting Still Pictures and Text with Voice Memo”



To Cancel Recording

When the shutter release button is fully pressed, a photograph is taken and the image is displayed on the LCD monitor. At this time, press the CANCEL button and when the confirmation message is displayed, press the shutter release button.

You can set the image display time to your liking. → P.120 “Changing the LCD Confirmation Time”



Important Note

- During recording, do not open the battery cover and the EJECT lever cover or remove the AC adapter.
 - During recording, the auto focus lamp and the flash lamp will flash on the LCD panel. Do not turn the mode dial or turn the power off until the recording process is complete.
- You can not switch the recording direction (CARD/IN) or display the MENU screen by pressing the MENU button while recording is in progress.

- Note**
- The camera will switch off automatically (auto power off) if it is left idle (no buttons or switches operated) for a fixed time. When you require more time to compose a shot, disable the auto power off feature. → P.117 “Auto Power Off Setting”
 - Have a spare battery or an AC adapter (optional) handy before using the camera for an extended period of time.

■ When Focusing is Difficult

You may experience difficulty focusing on the following subjects:

- Objects with little or no contrast (such as the sky, white walls, and car hoods)
- Flat two-dimensional objects with only horizontal lines and no significant protrusions or indentations
- Fast-moving targets
- Low-brightness objects (in dark places)
- Strongly backlit objects and objects struck by strong reflected light
- Flickering objects (such as fluorescent lights)

When shooting subjects like these, focus on another subject that is located at about the same distance and then aim at the target with that focus setting. → “Focus Lock Shooting” (See below), → P.70 “Manual Focus Shooting”



Focus Lock Shooting

Usually, the auto focus function focuses the camera on the subject that appears in the autofocus field on the LCD monitor or in the viewfinder. If the subject is located outside the autofocus field, it may appear blurred in the resulting shot. Use the focus lock to ensure accurate focusing on the subject.

- 1. Bring the subject on which you wish to focus into the autofocus field.**
- 2. Press the shutter release button halfway and hold the button pressed when the auto focus lamp lights in green.**
Focusing, exposure and white balance will be locked.
- 3. Decide the composition of the shot by moving the camera with the shutter release button held, and then press the shutter release button down fully.**



Special Shooting Functions

This section explains the various shooting functions that are available. The functions that can be used vary depending on the recording mode. Refer to the table below.

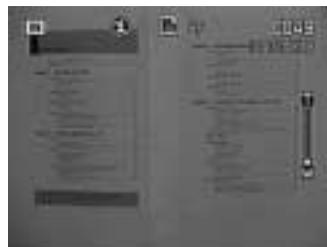
| Shooting function \ Recording mode | |  Still Picture |  Voice Memo |  Text |  Continuous Shooting |  Motion Picture |
|------------------------------------|------|---|--|--|---|--|
| Folder | P.51 | ○ | ○ | ○ | ○ | ○ |
| Voice Memo | P.61 | ○ | ✕ | ○ | ✕ | ✕ |
| Focus Mode | P.70 | ○ | ✕ | ○ | ○ | ○ |
| Date Imprint | P.71 | ○ | ✕ | ○ | ○ | ✕ |
| Flash Strength | P.63 | ○ | ✕ | ○ | ✕ | ✕ |
| ISO Sensitivity | P.72 | ○ | ✕ | ○ | ○ | ✕ |
| Auto Bracket | P.73 | ○ | ✕ | ✕ | ✕ | ✕ |
| Redeye Reduction | P.74 | ○ | ✕ | ✕ | ✕ | ✕ |
| Non-compressed Mode | P.75 | ○ | ✕ | ✕ | ✕ | ✕ |
| Monochrome Mode | P.76 | ○ | ✕ | ✕ | ○ | ○ |
| Interval Mode | P.77 | ○ | ✕ | ○ | ✕ | ✕ |
| Soft mode | P.78 | ○ | ✕ | ✕ | ○ | ✕ |
| Time Exposure Mode | P.79 | ○ | ✕ | ✕ | ✕ | ✕ |
| Signature Imprint | P.80 | ○ | ✕ | ✕ | ✕ | ✕ |
| Brightness Control | P.81 | ✕ | ✕ | ○ | ✕ | ✕ |

Recording Text (Text Mode)

This mode enables text to be recorded in a sharp image using only two values, black and white, with a data volume less than one-third of the usual volume.

- 1 Set the mode dial to [].
- 2 Press the shutter release button to take the picture.

The image will be displayed and recorded.



- Note**
- While the image is displayed on the LCD monitor, recording can be canceled by pressing the CANCEL button. → P.55 “Shooting (Still Picture Mode)”
 - Images can be recorded with voice memo. → P.61 “Shooting Still Pictures and Text with Voice Memo”
 - You can change the brightness to your liking when recording. → P.81 “Changing the Brightness in Text Mode”

Recording Voice Memo (Voice Memo Mode)

This mode enables you to record a voice memo. The recordable time is displayed according to the available capacity in the recording destination.



- The microphone is located at the front of the camera. Aim the camera so that you can record a voice memo for the best result.
- Please keep the camera at least 30 cm (11.8") away from mobile phones to prevent interference.

1 Set the mode dial to [🎤].

The recordable time will be displayed on the LCD panel.

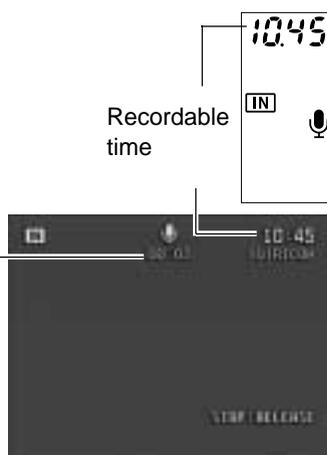
2 Press the shutter release button to record.

Recording will start. The 🎤 symbol flashes during recording and recording time is displayed.

To stop recording, press the shutter release button again.



- If the recording/recordable time exceeds 100 minutes, the first digit of the seconds will not be displayed on the LCD monitor or LCD panel.



3

Shooting

Continuous Shooting (Continuous Shooting Mode)

Shots are taken continuously while the shutter release button is pressed. This function enables you to capture all those special moments.

1 Set the mode dial to [📷].

2 Press the shutter release button.

Shots are taken continuously while the shutter release button is pressed.

Picture taking stops when you release the shutter release button.



- Note**
- The flash does not fire in continuous shooting mode.
 - The focus, exposure and white balance adjustment level are locked in the status in effect when the shutter release button was pressed.
 - Shooting in continuous shooting mode is not possible if the file has reached number RIMG9999. Change the folder for the recording destination to resume shooting.

● Maximum no. of pictures in continuous shooting mode

The maximum number of pictures that can be taken continuously varies according to the image quality mode.

| Size (No. of pixels) | Image quality (Compression rate) | F Fine | N Normal | E Economy |
|------------------------|-------------------------------------|---------------|-----------------|------------------|
| | 2048 2048 × 1536 | | Approx. 5 | Approx. 12 |
| 1024 1024 × 768 | | Approx. 17 | Approx. 36 | Approx. 70 |
| 640 640 × 480 | | Approx. 46 | Approx. 89 | Approx. 164 |

* The maximum number of pictures that can be taken continuously at one time is shown above and varies depending on the available space in the storage memory.

Shooting Motion Pictures (Motion Picture Mode)

This mode enables you to shoot motion pictures. The recordable time is indicated according to the available capacity in the recording destination. Sound is incorporated in the recording.



- The microphone is located at the front of the camera. Aim the camera so that you can record a voice memo for the best result.
- Please keep the camera at least 30 cm (11.8") away from mobile phones to prevent interference.

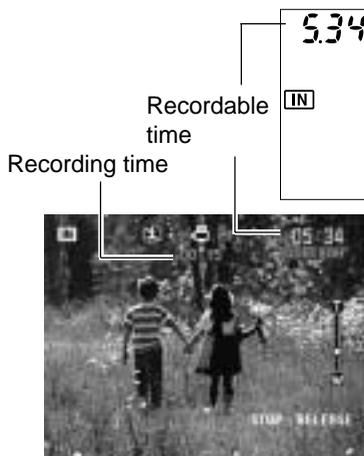
1 Set the mode dial to [M].

The recordable time will be displayed on the LCD monitor or LCD panel.

2 Press the shutter release button to take the picture.

Shooting will start.

To quit shooting, press the shutter release button again.



- Note** • The zoom does not function during recording of motion pictures.
- The flash does not fire in Motion Picture mode.
- The focus, exposure and white balance adjustment level are locked in the status in effect when the shutter release button was pressed halfway.

Shooting Still Pictures and Text with Voice Memo

You can record approximately 10 seconds of voice memo with a still picture or text image. Use this function to add your own comments or explanation.

- Important Note** • The microphone is located at the front of the camera. Aim the camera so that you can record a voice memo for the best result.
- Please keep the camera at least 30 cm (11.8") away from mobile phones to prevent interference.

1 Set the mode dial to [📷] or [📄] and press the MENU button.

2 Select [VOICE MEMO].

3 Select [ON] and then select [OK].

4 Select [EXIT] to exit the menu display.

5 Press the shutter release button to take the picture.

About 10 seconds of voice memo can be recorded after the image has been displayed. The [🎤] symbol flashes during recording.



- Note**
- The focus, exposure and white balance adjustment level are locked in the status in effect when the shutter release button was pressed halfway.
 - Voice memo recording will start after shooting in non-compressed (NC) mode for  (Still Picture), or in  (Text) mode. During voice memo recording,  is displayed on the LCD panel.

Changing Flash Modes

There are four flash modes available with this camera. Switch the flash mode to meet your photographic needs.

| Display | Mode | Explanation |
|---|--------------|---|
|  | Flash Off | The flash will not fire, even in dark places. Use this mode in places where flash photography is prohibited and in bright indoor settings. |
|  | Auto | The flash will fire automatically in dark places and where there is backlighting. |
|  (lit) | Forced Flash | Backlighting and strong light can produce dark shadows on the faces of the subjects. Use this mode in such situations. The flash will always fire, regardless of the brightness. |
|  (blinking) | Slow Synchro | The flash can be fired to illuminate the subject while a slow shutter speed correctly exposes the background. By firing the flash, it is possible to avoid the background alone being darkened. Use this mode at indoor parties, etc., to clearly photograph the subjects while making the most of the background atmosphere. |

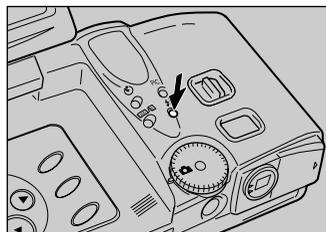
* The factory default setting is  (Flash Off) mode.

Effective Range of the Flash

When you shoot with the flash activated, the flash has an effective range of about 0.6 – 2.5 m (23.7 – 98.5 inches). The subject will appear dark in the picture if the light from the flash fails to reach it.

- 1 Set the mode dial to  or 
 - 2 Press the  button and select the flash mode (, ,  lit,  blinking).
- The flash mode will change each time the button is pressed.

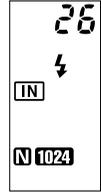
The selected flash mode will be displayed. In Auto mode, the  symbol will be displayed on the LCD monitor only and not on the LCD panel.



3 Press the shutter release button to take the picture.

When the flash fires, the flash LED (red) will light when the shutter release button is pressed halfway.

When the flash is being recharged, the flash LED blinks and the display disappears from the LCD monitor. Photographs cannot be taken at this time.



- When you shoot a subject located closer than about 0.6 m (23.7 inch) with the flash activated, the light from the flash may appear reddish in some cases. The subject may also appear white in the resultant shot due to overexposure. To avoid this problem, switch to Flash Off mode.
- The shutter speed slows automatically when you shoot in dark places. To prevent camera shake, hold the camera steady or mount it on a tripod. Take care to avoid camera shake particularly at telephoto (📷) settings.



- The flash will not fire in the following cases:
 - when the shooting mode is set on 🗣️ (Voice Memo), 📺 (Continuous Shooting) or 🎞️ (Motion Picture) mode
 - when the white balance is set on ☀️ (daylight), ☁️ (overcast), 🏠 (tungsten light) or 📺 (fluorescent light) mode
 - when using macro mode (🌸)
 - when using auto bracket
- Enable the keep settings mode to save the flash mode setting. → P.116 “Keep Settings”
- If the subject appears dark on the LCD monitor when taking photographs with the flash activated, set the zoom lever to the wide position. Focusing may be difficult in the telephoto position.
- Use of the redeye reduction mode will lessen the redeye phenomenon. → P.74 “Redeye Reduction Mode”

■ Adjusting the Flash Strength

You can adjust the strength of the flash when it fires (🔋^A, 🔋 lit, 🔋 blinking).

- 1 Set the mode dial to [📷] or [📷] and press the MENU button.

2 Select [FLASH STRENGTH].



3 Select the desired strength (STRONG, NORMAL, SOFT) and then select [OK].



4 Select [EXIT] to exit the menu display.

If you select [STRONG], a plus symbol [+]
will be displayed on the LCD monitor, and if
you select [SOFT], a minus symbol [-] will be
displayed. There is no display for [Normal].

**5 Press the shutter release button to
take the picture.**

- Note** • Enable the keep settings mode to
save the flash strength setting. →
P.116 “Keep Settings”



Setting the Exposure Compensation

As long as the subject is centered in the shooting range, you can take the picture normally as the camera will automatically adjust the exposure compensation for backlighting. If there is a significant difference in brightness between the background and subject, however, the subject tends to be underexposed (dark) or overexposed (white). Exposure compensation is useful in this situation. You can also use exposure compensation to produce intentionally under- or over-exposed images.

● **Exposure Compensation Range**

± 2.0 EV (in 0.5 EV steps)

● **Shooting Against the Light**

The bright background will make the subject appear underexposed. Set the exposure compensation level to a positive value to adjust the exposure.



- If the subject is not centered in the shooting range when taking a picture against the light, the camera will not assume that the subject is in a backlit state. Exposure compensation is required in this situation.

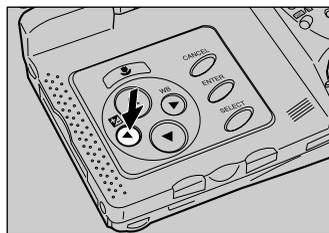
● Shooting a White Image

If you shoot an image that appears generally white, the shot will be underexposed as a whole, with people appearing dark and white objects appearing gray. Set the exposure compensation level to a positive (+) value to adjust the exposure.

● Shooting a Black Image

If you shoot an image that appears generally black, the shot will be overexposed as a whole, with people appearing white and black objects appearing gray. Set the exposure compensation level to a negative (–) value to adjust the exposure. Follow the same procedure when shooting a person under a spotlight, for example.

- 1 Set the mode dial to one of the following [📷, 📄, 📱 or 📡] and press the  button.



- 2 Touch  or  with the pen to change the compensation level and select [OK].

Touch  to increase the level and touch  to reduce the level.

● Using the Buttons

Press the  button to increase the level and press the  button to reduce the level.



- 3 Press the shutter release button to take the picture.

Exposure compensation display when the DISPLAY button is pressed. (Information display → P.49)



Note

- Enable the keep settings mode to save the exposure compensation setting. → P.116 “Keep Settings”
- Three frames in succession can be taken, one each at –0.5 EV, 0 and +0.5 EV, based on the preset exposure compensation value. This function is convenient for checking the exposure compensation value setting. → P.73 “Using Auto Bracket”

Changing the White Balance Mode

The white balance mode adjusts the white balance so that you can capture your subject in its natural colors regardless of the light source. The auto mode will suffice in most situations.

The auto mode automatically adjusts the white balance based on the white areas, ensuring that white is reproduced as white regardless of the light source. Consequently, a subject that lacks in white tones as a whole or that is dominated by dark tones may not achieve an appropriate white balance. Change the white balance mode to shoot such subjects.

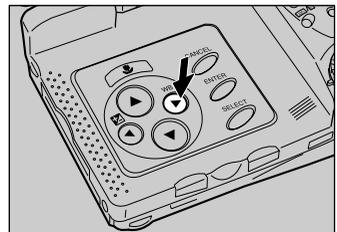
| Display | Mode | Explanation |
|---|-------------------|--|
| AUTO | Auto | Automatically adjusts the white balance |
|  | Daylight | Use to shoot subjects outdoors where the appropriate white balance is difficult to achieve. |
|  | Overcast | Use to shoot subjects outdoors under cloudy skies where the appropriate white balance is difficult to achieve. |
|  | Tungsten light | Use to shoot subjects under tungsten light where the appropriate white balance is difficult to achieve. |
|  | Fluorescent light | Use to shoot subjects under fluorescent light where the appropriate white balance is difficult to achieve. |

* The factory default setting is AUTO mode.

Subjects Difficult to Correct in Auto Mode

- Monochrome subjects
- Objects lit by multiple light sources

① Set the mode dial to one of the following [,  or ] and press the WB button.



② Select the white balance mode (AUTO, , ,  or ) and then select [OK].



- 3 Press the shutter release button to take the picture.



- Even with the same subject, colors may vary due to the weather conditions and light source (tungsten light or fluorescent light).



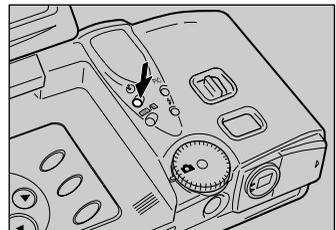
- In AUTO mode, subjects lacking in white tones may not achieve an appropriate white balance. When shooting such subjects, add a white object to the composition.
- The flash will not fire in the following white balance modes: (daylight), (overcast), (tungsten light) and (fluorescent light) mode.
- Enable the keep settings mode to save the white balance mode setting. → P.116 “Keep Settings”

Using the Self-Timer

The self-timer offers a convenient way to take group pictures with the photographer included. Mount the camera on a tripod or a flat, firm surface to shoot pictures with the self-timer.

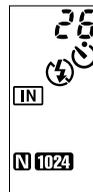
- 1 Set the mode dial to [📷] or [📷] and press the button.

The self-timer is now set.



The  symbol will be displayed on the LCD monitor or LCD panel.

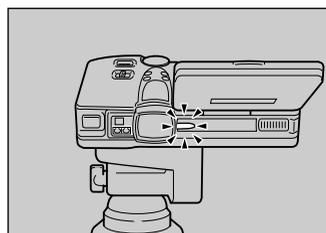
- Note** • To cancel self-timer mode, press the  button again.



2 Decide the composition of the picture, position the camera securely, and press the shutter release button.

The self-timer LED will light and the self-timer will start. The shutter will be released after about 10 seconds. The self-timer LED will start blinking about 2 seconds before the shutter is released and the beep sound will be heard.

The self-timer mode is canceled automatically when the shutter is released.



- Note** • If the flash is charging, the self-timer will start when charging is completed.
• The focus is locked when the shutter release button is pressed.



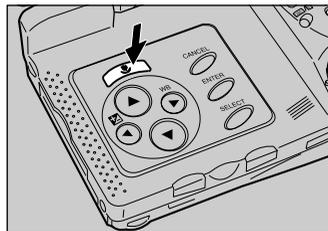
Remote Control

To operate the camera from a remote position or when the camera is fixed in one spot, use the optional remote control unit.

Close-up Shooting (Macro Mode)

Macro mode allows you to take a close-up picture of a subject. Use this mode when the distance to the subject is less than about 24 cm.

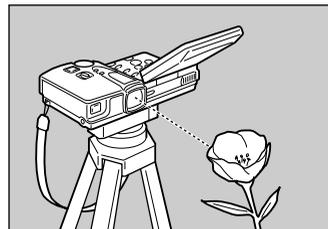
- 1 Set the mode dial to one of the following: [📷, 📄, 📺 or 📷] and press the  button.



The  symbol will be displayed on the LCD monitor.

- Note** • To cancel the macro mode, press the  button again.

- 2 Decide the composition of the picture and press the shutter release button halfway to set the focus.
- 3 Press the shutter release button to take the picture.



- Important Note**
- The focusing range is so small in macro mode that the focus can be lost if the camera is moved. Make sure the camera is firmly positioned by mounting it on a tripod, for example, to keep it steady when shooting.
 - Since the field of view through the viewfinder and the shooting range are shifted by a wide margin, take pictures by confirming the shooting range on the LCD monitor or with the camera connected to a TV monitor.



Shutter Release Button

The optional remote control unit is useful when the camera is mounted on a tripod or similar device and the shutter release button is difficult to press.

- Note** • The flash does not fire in macro mode.

Manual Focus Shooting

The manual focus function can be used to manually adjust the focal setting for subjects difficult to bring into focus with autofocus.

① Set the mode dial to one of the following: [📷, 📷, 📷 or 📷] and press the MENU button.

② Select [FOCUS MODE].



③ Select the focus mode (MF) and then select [OK].



④ Select [EXIT] to exit the menu display. MF will be displayed on the LCD monitor.

Note • To cancel the manual focus mode, select [AF].

⑤ Press the ▲/▼ buttons to set the focus and press the shutter release button to take the picture.



Note • Enable the keep settings mode to save the focus mode setting → P.116 “Keep Settings”

Date Imprinting

Use this function to record images imprinted with the date.

- Note** • If the date has not been set in the Setup menu, this function is not available. Set the date. The date is displayed in the format selected with the DATE SETTING option in the Setup menu. → P.39 “Setting the Date and Time”

1 Set the mode dial to one of the following: [📷], [📷], or [📷] and press the MENU button.

2 Select [DATE IMPRINT].



3 Select the date type (DATE, DATE + TIME, or TIME) and then select [OK].

Example

The format for the date (2000/09/15/10:15) is displayed as shown below. If you have chosen

- [DATE] 2000/09/15 (yyyy/mm/dd)
- [DATE + TIME] ... 2000/09/15 10:15 (yyyy/mm/dd/hh:mm)
- [TIME]. 10:15 (hh:mm)



- Note** • To cancel the date imprint mode, select [OFF].

4 Select [EXIT] to exit the menu display.

5 Press the shutter release button to take the picture.

- Note** • Enable the keep settings mode to save the date imprint mode setting. → P.116 “Keep Settings”

Changing the ISO Sensitivity

You can change the ISO sensitivity.

① Set the mode dial to [📷] and press the MENU button.

② Select [ISO SENSITIVITY].



③ Select the ISO sensitivity (AUTO, ISO 200 or ISO 400) and then select [OK].



④ Select [EXIT] to exit the menu display.

The ISO sensitivity will be displayed on the LCD monitor.

⑤ Press the shutter release button to take the picture.

ISO sensitivity display when the DISPLAY button is pressed. (Information display → P.49)



Note • Enable the keep settings mode to save the ISO sensitivity setting. → P.116 “Keep Settings”

Using Auto Bracket

This function takes three frames in succession: one each at -0.5 EV, 0 and $+0.5$ EV, based on the exposure compensation value set in “Setting the Exposure Compensation” (P.64). This function is useful for checking the exposure compensation.

Mount the camera on a tripod or level surface to prevent camera shake.

1 Set the mode dial to [📷] and press the MENU button.

2 Select [AUTO BRACKET].



3 Select [ON] and then select [OK].



4 Select [EXIT] to exit the menu display.

AB will be displayed on the LCD monitor.

5 Press the shutter release button to take the picture.

Auto bracket display when the DISPLAY button is pressed.
(Information display → P.49)



When the shutter release button is pressed, three frames will be taken in succession at -0.5 EV, 0 and $+0.5$ EV, based on the preset exposure compensation value.



- Note** • Auto Bracket cannot be used when the image quality mode is set on non-compressed mode (NC) or when [VOICE MEMO] is set on [ON].
- The flash does not fire in auto bracket mode.

Redeye Reduction Mode

If you shoot a subject in a dark place with the flash activated, the eyes of the subject may appear red in the resultant picture. In redeye reduction mode, the flash will fire several times before the shutter releases to lessen the redeye phenomenon.

- 1 Set the mode dial to [📷] and press the MENU button.**
- 2 Select [REDEYE REDUCTION].**
- 3 Select [ON] and then select [OK].**
- 4 Select [EXIT] to exit the menu display.**
The  symbol will be displayed on the LCD monitor or LCD panel.
- 5 Press the shutter release button to take the picture.**

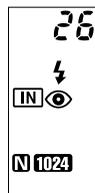
When you press the shutter release button, the flash will fire several times in succession preliminarily before firing last when the shutter releases.



- The shutter takes about 1 second to release after you press the shutter release button. Hold the camera steady meanwhile to shoot.



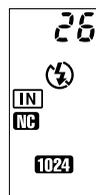
- Redeye reduction mode cannot be used when the flash mode is set on  (Flash Off).



Non-Compressed Mode

Normally the image quality mode compresses the data when the image is recorded. To record the image without compressing the data, set the non-compressed (NC) mode.

- 1 Set the mode dial to [📷] and press the MENU button.
- 2 Select [NON-COMPRESSED MODE].
- 3 Select [ON] and then select [OK].
- 4 Select [EXIT] to exit the menu display.
NC will be displayed on the LCD monitor or LCD panel.
- 5 Press the shutter release button to take the picture.



● Data Guide

Non-compressed mode display when the DISPLAY button is pressed. (Information display → P.49)

| Size (No. of pixels) | NC |
|-------------------------|-------------------------|
| 2048 2048 × 1536 | Approx. 6.0 MB/Image |
| 1024 1024 × 768 | Approx. 1.5 MB/Image |
| 640 640 × 480 | Approx. 640 KB/Image |



Monochrome Mode

This mode enables you to shoot subjects in black and white or sepia images.

- 1 **Set the mode dial to one of the following: [📷], [📷], or [📷] and press the MENU button.**
- 2 **Select [MONOCHROME MODE].**



- 3 **Select the monochrome mode (B&W or SEPIA) and then select [OK].**
Select [B&W] to shoot in black and white images or [SEPIA] to shoot in sepia images.



Note • To cancel monochrome mode, select [OFF].

- 4 **Select [EXIT] to exit the menu display.**
- 5 **Press the shutter release button to take the picture.**

Monochrome mode display when the DISPLAY button is pressed.
(Information display → P.49)



Note • When you choose monochrome mode, the white balance mode does not function.

Interval (Time-lapse) Recording

The camera can be set to take pictures automatically at preset intervals. The interval can be set in steps of 30 seconds in the range of 30 seconds to 3 hours.

For example, if you set an interval of 1 hour, the shutter will be released every hour, taking pictures continuously until the storage memory in the recording destination runs out of available memory.



- Check the recordable picture count in the storage memory before starting interval (time-lapse) recording.

- 1 Set the mode dial to [📷] or [📄] and press the MENU button.
- 2 Select [INTERVAL MODE].

- 3 Set the time interval and select [OK].

The interval timer is now set.



- P.34 “How to Use the Spin Box 
 - 4 Select [EXIT] to exit the menu display.



- To cancel interval (time-lapse) recording, set the mode dial to another setting or switch the camera off while the “INTERVAL” message is lit.

- 5 Press the shutter release button.

The first photograph will be taken and then additional photographs will be taken at the preset time interval.

The “INTERVAL” message will blink during interval (time-lapse) recording. Picture taking will end when the storage memory runs out of memory.



- **Note** Press the CANCEL button during recording to stop the interval (time-lapse) recording.
- Normal picture taking is possible during interval (time-lapse) recording by pressing the shutter release button. The preset time interval will not change.
- The time interval may become longer than the preset interval, depending on the image quality mode and flash mode settings.
- If using the battery, the battery may become exhausted during interval (time-lapse) recording. It is recommended to use the optional AC adapter.

Soft Mode

Recording the plane images such as a face of a person, a sky and a wall in soft mode makes the contours soft.

1 Set the mode dial to [📷 or 📹] and press the MENU button.

2 Select [SOFT MODE].



3 Select [ON] and select [OK].

4 Select [EXIT] to exit the menu display.



5 Press the shutter release button.

Soft mode display when the DISPLAY button is pressed. (Information display → P.49)



- **Note** Enable the keep settings mode to save the soft mode setting. → P.116 “Keep Settings”

Time Exposure Mode

Set the time exposure mode to record the bright subjects such as the fireworks and running cars in a dark place.



- Mount the camera on the tripod when recording in time exposure mode.

① Set the mode dial to [📷] and press the MENU button.

② Select [TIME EXPOSURE MODE].



③ Select [Off•1SEC•2SEC•4SEC•8SEC] and select [OK].



④ Select [EXIT] to exit the menu display.
LX will be displayed on the LCD monitor.

⑤ Press the shutter release button.

Time exposure mode display



- The time exposure mode can not be set when auto bracket mode is set.

Signature Imprint Mode

This mode enables you to record images imprinted with the name of the photographer, etc. which you input in a PC and transfer the information to the camera.

❶ Set the mode dial to [📷] and press the MENU button.

❷ Select [SIGNATURE].

❸ Select the signature (STORED NAME or STORED IMAGE) to be added to the image.

If you select STORED NAME, the name registered in “Registering Owner Information” (P.42) will be added.

If you select STORED IMAGE, the image file created on a PC and transferred to the camera will be added.

❹ Select the location of the signature and then select [OK].

The signature is now set.

See • P.33 “How to Use the Radio Button (📻)”

Note • To cancel signature imprint mode, select [NO SIGNATURE].

❺ Select [EXIT] to exit the menu display.

📷 mark will be displayed on the LCD monitor.

❻ Press the shutter release button to take the picture.

Signature Imprint mode display when the DISPLAY button is pressed.
(Information display → P.49)



- Note**
- The signature imprinted in the image can be superimposed on the date and time information display, depending on the signature size or the imprint location.
 - The image quality may deteriorate slightly when signature imprint mode is used.
 - Files for use with STORED IMAGE are a BMP or GIF format . The image is sent from a PC to the camera by the signature transfer function. → “Transferring a Signature File” in ‘Connecting to a Personal Computer’ operation manual

Changing the Brightness in Text Mode

When shooting in Text mode, you can set the brightness in five stages to improve the readability of the text.

- 1 Set the mode dial to [].
- 2 Select [BRIGHTNESS CONTROL] and then select [OK].
- 3 Select the brightness (DARK, MEDIUM DARK, MEDIUM, MEDIUM LIGHT or LIGHT) and then select [OK].
The brightness is now set.
- 4 Select [EXIT] to exit the menu display.
- 5 Press the shutter release button to take the picture.

