Camera Components

Flash

Viewfinder

Self-timer lamp

Microphone

Front

Lens

Self-timer/Stop/Left button

Zoom in/Up button

Operation lamp

Continue/Pause/Right button

Viewfinder

LCD screen

DISP

DISP button

MENU button

MENU

Zoom out/Down button

SET/ /

Speaker

SET/FLASH ⚡/Thumbnail button

Battery cover

Rear

Mode dial

Macro switch

Power button

USB port

POWER

Video out terminal

USB

TV OUT

Shutter button

Top

Side

—1—
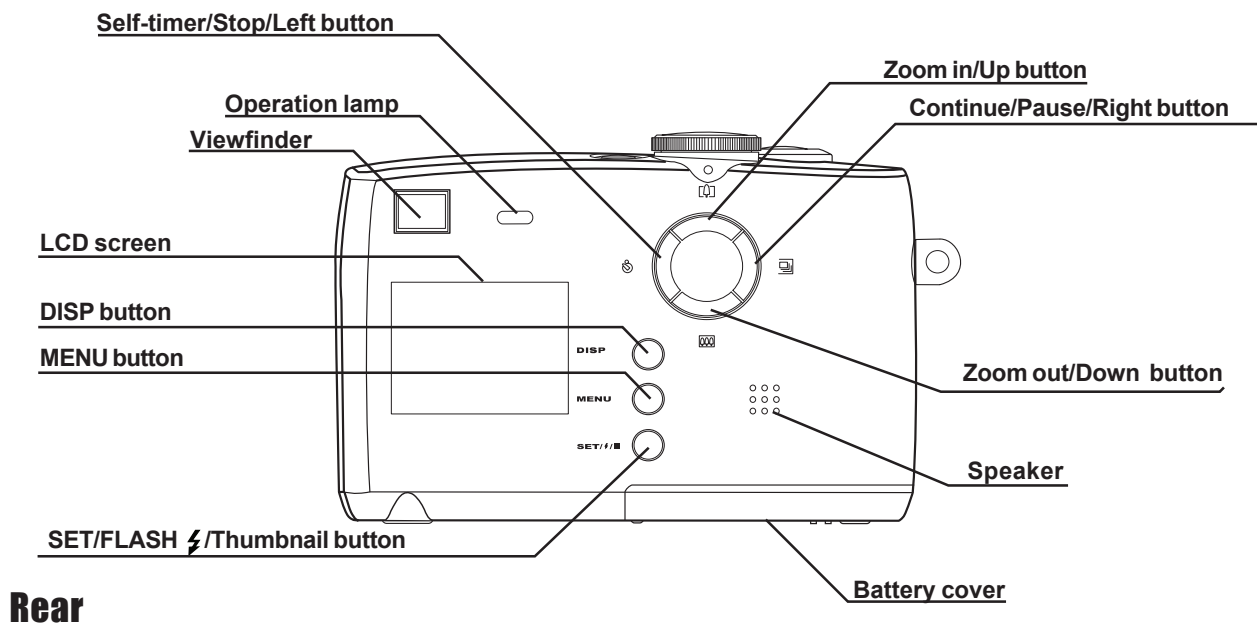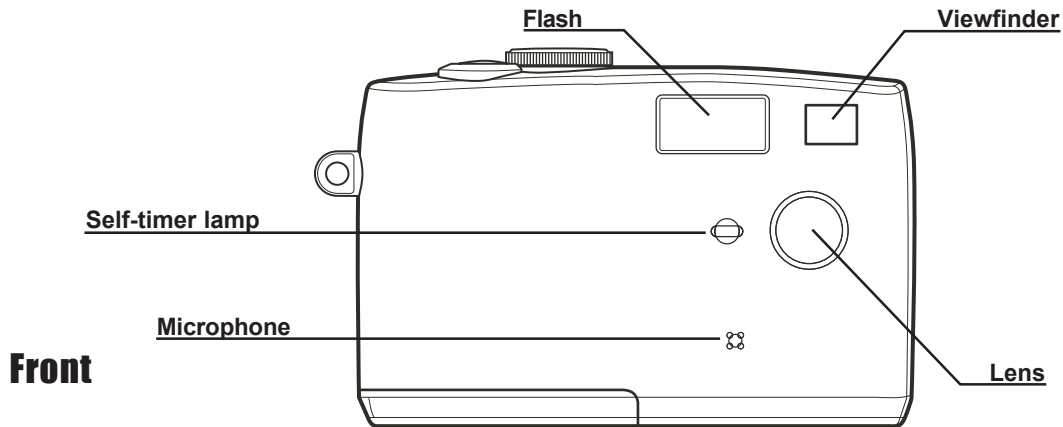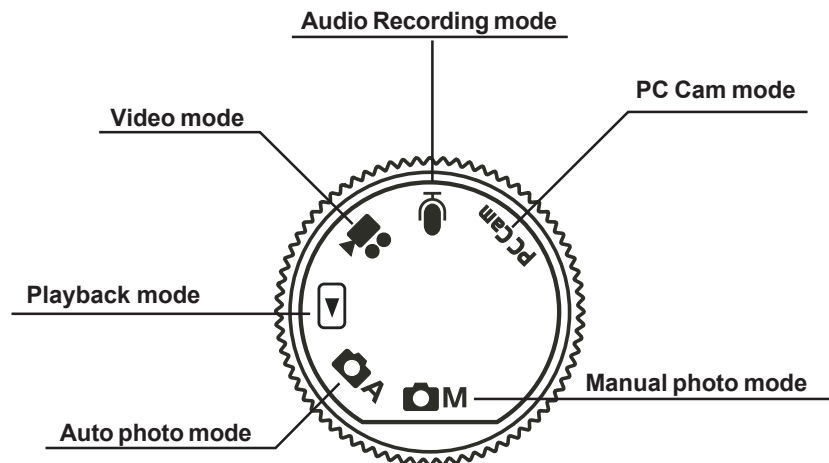
Setting the Camera Mode

Turn the Mode dial at the top of the camera to change the camera's function mode. The camera has six modes to choose from as described below.

Audio Recording mode

PC Cam mode

Video mode

Playback mode

Manual photo mode

Auto photo mode

Auto Photo Mode 📷A

In auto photo mode, the camera automatically adjusts exposure and white balance to suit the shooting environment.

Playback Mode ▶

In playback mode you can review, erase, and protect photos and video clips.

Video Mode 🎥

The camera can record video clips with audio in video mode. White balance cannot be set before recording a video clip.

Manual Photo Mode 📷M

Manual photo mode let you set exposure and white balance settings before taking a photo.

Audio Recording Mode 🎤

The camera can record audio in audio mode, enabling you to take voice memos anywhere, anytime.

PC Cam Mode PC Cam

PC Cam mode enables you to use your camera for real time video when connected to a PC. Use PC Cam mode for teleconferencing, or video chatting.

# Preparing to Take Pictures

Installing the Batteries

The camera is powered by four AAA-size alkaline batteries or rechargeable Ni-MH (min. 550 mAh / 1.2 V) batteries.

1 Slide open the battery cover.

2 Insert four AAA-size alkaline batteries with the positive (+) and negative (–) poles matching the directions indicated inside the battery cover.

3 Slide the battery cover back into the closed position.
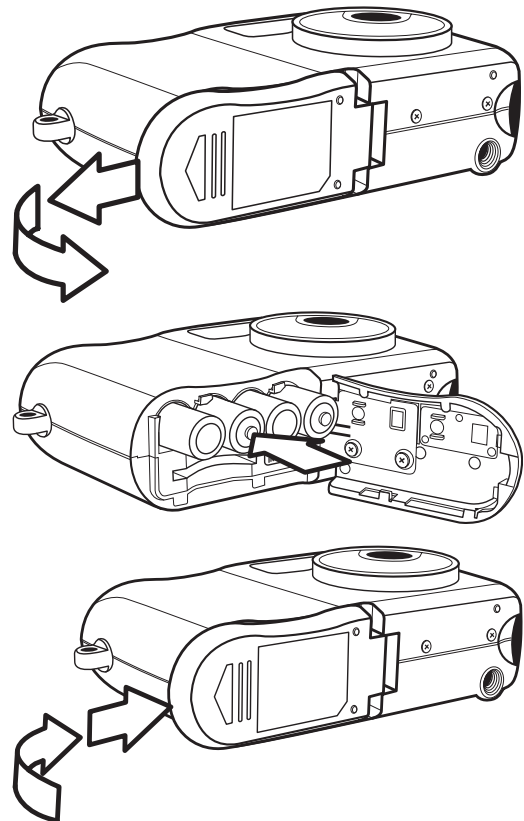
Inserting an SD memory card

1 Slide open the battery cover. The card slot is located next to the battery compartment.
2 Slide the SD card into the slot in the direction illustrated.
3 Close the battery cover.
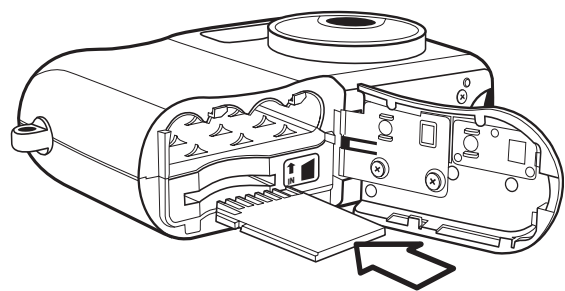
Removing an SD memory card

1 Slide open the battery cover.
2 Gently press the SD card toward the camera and release it. The SD card ejects part way out of the slot.
3 Hold the card and pull it out of the slot.
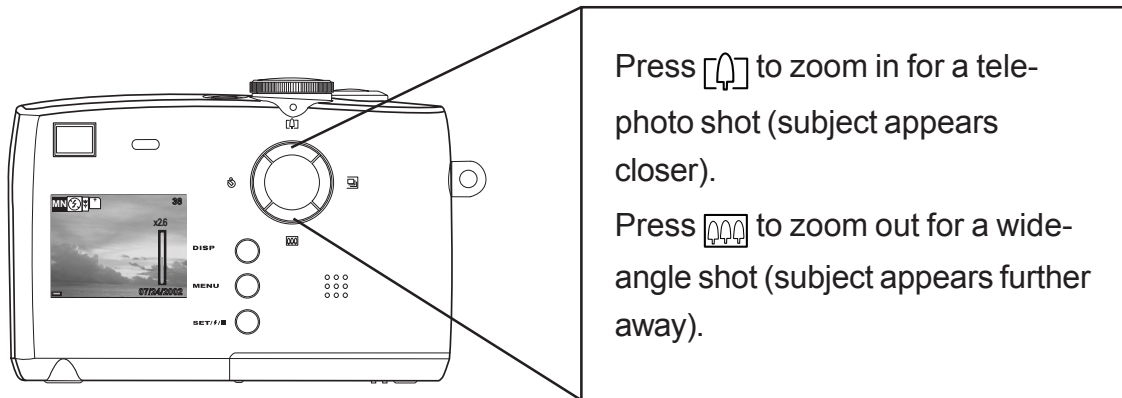4 Close the battery cover.
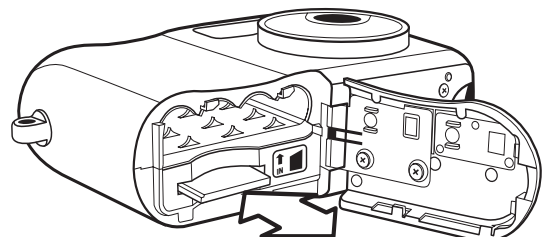
Using the Zoom Feature

The digital camera is equipped with digital zoom capabilities that allow you to zoom in on a subject for a telephoto shot, or zoom out for a wide-angle shot.

Digital zoom works by enlarging the center portion of an image through a software interpolation process. The digital zoom is used to achieve magnification levels up to 4X.

Press [⌂] to zoom in for a telephoto shot (subject appears closer).

Press [⌂⌂] to zoom out for a wide-angle shot (subject appears further away).

Using the Digital Zoom

Note:

The digital zoom does not work in video mode.

In Auto ▢A or Manual ▢M mode, press [⌂] or [⌂⌂] to display the zoom bar.

Press [⌂] to zoom in on the subject.

Press [⌂⌂] to zoom out from the subject.

Press [⌂⌂] until the zoom factor is 0 (zero) to turn the zoom off.

The zoom bar is displayed any time the zoom is activated. In OSD mode, a yellow bar indicates the zoom factor.

x2.6 ——————— Displays the zoom ratio.

Zoom ratio indicator in image only mode

Setting the Image Quality and Size

1. Turn the Mode dial to Auto ⬛A or Manual ⬛M mode.
2. Press MENU.
3. Press the right button to select the SETTING menu.
4. Press the up or down buttons to select the IMAGE SIZE item.
5. Press the SET button to enter the IMAGE SIZE submenu.
6. Press the up or down buttons to select the desired image size:
   - 2560 x 1920 (L - large)
   - 2048 x 1536 (M - medium)
   - 1024 x 768 (S - small)
7. Press SET to exit the submenu.
8. Press the up or down buttons to select the QUALITY item.
9. Press the up or down buttons to select the desired image quality.
   - NORMAL
   - FINE
10. Press the SET button to exit the QUALITY submenu.

The image size and quality are displayed in the LCD.

Image size — **Quality**

Adjusting the Exposure ◻M

Set the exposure value (EV value) ⊞ manually to compensate for certain lighting conditions including: backlighting, indirect indoor lighting, and dark backgrounds.

EXPOSURE

0.0

1   Turn the Mode dial to Manual ◻M mode.

2   Press the MENU button.

3   Press the up or down buttons to change the exposure value: - 2.0 ~ 2.0

4   Press SET to save your settings and exit the MENU.

Setting the White Balance ◻M

Adjust the white balance to match different light sources such as the sun, and tungsten (incandescent) or fluorescent lighting.

WHITE BALANCE
AWB   AUTO
DAYLIGHT
SHADE
TUNGSTEN

1   Turn the Mode dial to Manual ◻M mode.

2   Press the MENU button.

3   Press the right button to select the WHITE BALANCE menu.

4   Press the up or down buttons to change the white balance:

- **AWB** Auto white balance, adjusts automatically for ambient lighting. When the camera is set to Auto ◻A mode, this item is set and you cannot adjust the white balance.

- Daylight, adjusts for bright sun conditions

- Shade, adjusts for cloudy days or twilight conditions

- Tungsten, adjusts for normal indoor lighting conditions

- Fluorescent, adjusts to fluorescent lighting.

5   Press SET to save your settings and exit the MENU.

The exposure and white balance values appear on the LCD.

Exposure value

White balance

AWB 0.0 MN   38

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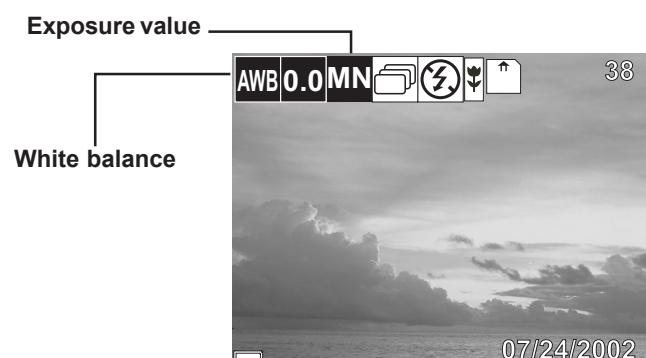
Setting the Flash   ⬛A ⬛M

Pressing the FLASH ⚡ button cycles through the flash modes.

The flash can be used in Auto ⬛A and Manual ⬛M photography modes, but not in Video 🎥 mode. The flash mode icons appear in the LCD.

The following list describes each flash mode.

Flash icon

⚡A **Auto Flash:** the camera detects ambient lighting conditions, and the flash fires if it detects insufficient light.

⚡ **Always on:** the flash fires regardless of ambient lighting conditions.

⚡ **Off:** the flash is off.
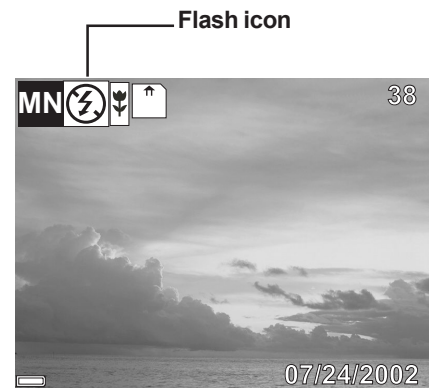
Using Macro Mode

In Auto ⬛A or Manual ⬛M mode, press the MACRO ⚘ switch, located on the side of the camera, to take close-up photos. Macro mode allows photos of subjects 20 cm away from the camera lens at the maximum wide angle (zoomed out) setting and 16 cm at the maximum telephoto (zoomed in) setting.

When macro mode is enabled, the macro icon ⚘ appears in the LCD.

Macro switch
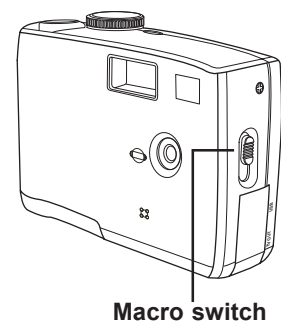
NOTES:

- Distances referred to measure the distance between the camera lens surface and the subject.

- Any flash setting (OFF, ON, AUTO, and Red-Eye Reduction) can be used in Macro mode.

- Entering Macro mode doesn't change the current flash setting.

Macro icon
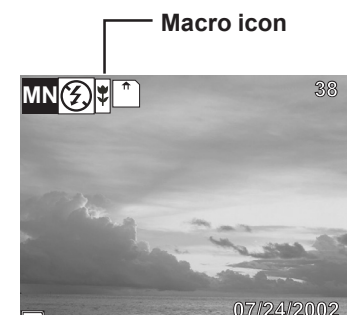
Recording Video Clips

The digital camera can record video clips with audio.

1 Turn the Mode dial to Video 📹 mode. The video icon appears in the LCD.

2 Press the shutter button to start recording.

3 Press the shutter button again to stop the recording.

4 The camera stops recording automatically when the memory capacity has been reached.

**Video icon**

247

07/24/2002
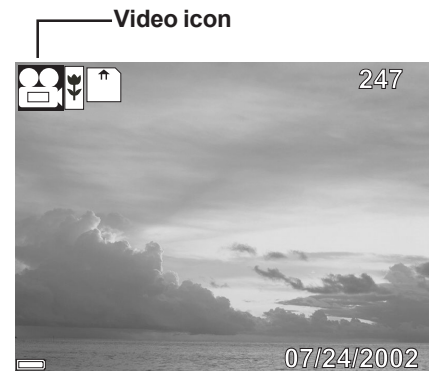
Recording Audio Clips

The digital camera can record audio clips, making it a useful tool for taking voice memos.

1 Turn the Mode dial to Audio 🎤 mode. The audio icon appears in the LCD.

2 Press the shutter button to start recording audio.

3 Press the shutter button again to stop recording audio.

4 The camera stops recording automatically when the memory capacity has been reached.

Audio icon

7123

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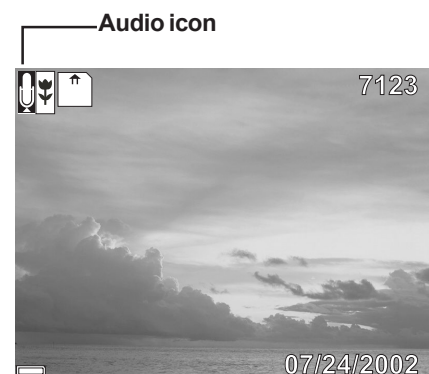
NOTES:

- In Video mode, the resolution is set to 320x240 pixels. Video resolution cannot be changed.

- Be careful not to touch the microphone while recording audio or video.

- The maximum length of an individual video or audio clip depends on the amount of available memory. Use a higher capacity SD card to record longer clips.

- Video or audio recording stops automatically when memory is full.

Viewing Pictures and Listening to Audio

View photos and video clips, and listen to audio clips that are stored in the camera's memory (internal or SD card) on the LCD screen when the camera is in Playback mode.

1 Turn the Mode dial to Playback ▶ mode. The last recorded image, video clip, or audio clip appears on the LCD screen. The total number of files and the file sequence number is displayed at the bottom right corner of the LCD.

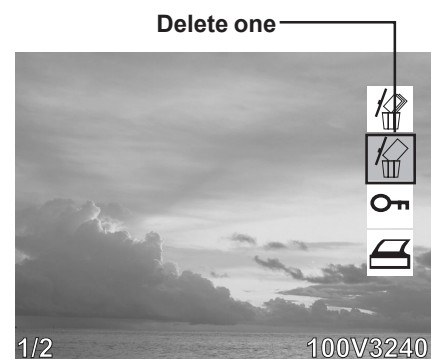2 Press the left and right buttons to scroll through the files.

Total number

Sequence number
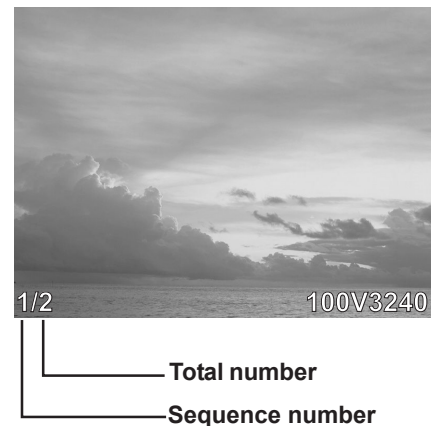
Erasing Files from Memory

In Playback ▶ mode, erase photos, video clips, and audio clips that you don't want to keep to make more memory available for new files.

Delete one

Deleting a Single File

1 Turn the Mode dial to Playback ▶ mode.
2 Press the left and right buttons to select the file you want to delete.
3 Press MENU to display the toolbar.
4 Press the down button to select

DELETE ONE ✍ .

5 Press SET to delete the file.

Delete all

Deleting All Unprotected Files

1 Turn the Mode dial to Playback ▶ mode.
2 Press the left and right buttons to select the file you want to delete.
3 Press MENU to display the toolbar.
DELETE ALL ✍ is selected.
4 Press SET to delete the files. A message appears prompting you to confirm deletion of the files. Press MENU to cancel deletion of the files.
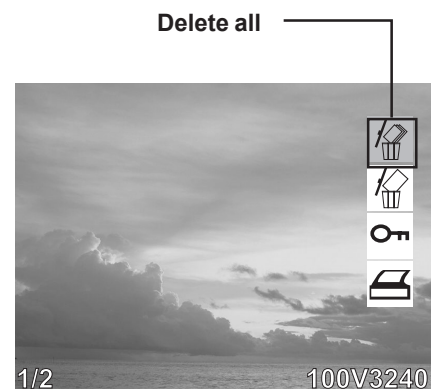
If all files (photos and video clips) are erased, the message "NO IMAGE" appears on the LCD screen.