FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Note:

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

■ Reorient or relocate the receiving antenna.

■ Increase the separation between the equipment and receiver.

■ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Use of shielded cable is required to comply with Class B limits in Subpart B of Part 15 of the FCC rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

READ THIS FIRST

Notice:

1. Product design and specifications are subject to change without notice. This includes primary product specifications, software, software drivers, and user's manual. This User Manual is a general reference guide for the product.

2. The product and accessories that come with your camera may be different from those described in this manual. This is due to the fact that different retailers often specify slightly different product inclusions and accessories to suit their market requirements, customer demographics, and geographical preferences. Products very often vary between retailers especially with accessories such as batteries, memory cards, cables, pouches, and language support. Occasionally a retailer will specify a unique product color, appearance, and internal memory capacity. Contact your dealer for precise product definition and included accessories.

3. The illustrations in this manual are for the purpose of explanation and may differ from the actual design of your camera.

4. The manufacturer assumes no liability for any errors or discrepancies in this user's manual.

5. For driver updates and revisions to this manual, please refer to our website www.geniusnet.com

SAFETY INSTRUCTIONS

Read and understand all *Warnings* and *Cautions* before using this product.

WARNING

■ **If foreign objects or water have entered the camera, turn the power OFF and remove the batteries.**
  Continued use in this state might cause fire or electric shock. Consult the store of purchase.

- ■ **If the camera has fallen or its case has been damaged, turn the power OFF and remove the battery.**
  Continued use in this state might cause fire or electric shock. Consult the store of purchase. ⊘

- ■ **Do not disassemble, change or repair the camera.**
  This might cause fire or electric shock. For repair or internal inspection, ask retailer where you purchased it. ⊗

- ■ **Use the specified batteries**.
  Use with any other type of batteries might cause explosion or influence the camera's performance. ❶

- ■ **Do not use the camera in areas near water.**
  This might cause fire or electric shock. Take special care during rain, snow, on the beach, or near the shore. ⊗

- ■ **Do not place the camera on inclined or unstable surfaces.**
  This might cause the camera to fall or tilt over, causing injury. ⊘

- ■ **Keep the batteries out of the reach of children.**
  Swallowing batteries might cause poisoning. If the battery is accidentally swallowed, immediately consult a physician. ⊘

- ■ **Do not use the camera while you are walking, driving or riding a motorcycle.**
  This might cause you to fall over or result in a traffic accident. ⊘

CAUTION

- ■ **If foreign objects or water have entered the camera, turn the power OFF and remove the batteries.**
  Continued use in this state might cause fire or electric shock. Consult the store of purchase. ⊘

- ■ **Do not fire the flash close to anyone's eyes.**
  This might cause damage to the person's eyesight. ⊘

- ■ **Do not subject the LCD monitor to impact.**
  This might damage the glass on the screen or cause the internal fluid to leak. If the internal fluid enters your eyes or ⊘

comes into contact with your body or clothes, rinse with fresh water.

If the internal fluid has entered your eyes, consult a physician to receive treatment.

- ■ **A camera is a precision instrument. Do not drop it, strike it or use excessive force when handling the camera.** ⊘
  This might cause damage to the camera.

- ■ **Do not use the camera in humid, steamy, smoky, or dusty places.** ⊘
  This might cause fire or electric shock.

- ■ **Do not remove the battery immediately after long period of continuous use.** ⊘
  The battery becomes hot during use. Touching a hot battery might cause burns.

- ■ **Do not wrap the camera or place it in cloth or blankets.** ⊘
  This might cause heat to build up and deform the case, resulting in fire. Use the camera in a well-ventilated place.

- ■ **Do not leave the camera in places where the temperature may rise significantly, such as inside a car.** ⊘
  This might adversely affect the case or the parts inside, resulting in fire.

- ■ **Before you move the camera, disconnect cords and cables.** ⊘
  Failure to do this might damage cords and cables, resulting in fire and electric shock.

Notes on Battery Usage

When you use the battery, carefully read and strictly observe the *Safety Instructions* and the notes described below:

- ■ Use only the specified battery.
- ■ Avoid using the battery in extremely cold environments as low temperatures can shorten the battery life and reduce camera performance. Avoid using the batteries in extremely cold environments as low

temperatures can shorten the batteries life and reduce camera performance. This low temperature will also influence alkaline batteries performance, therefore Ni- MH rechargeable batteries are highly recommended.

- When you are using the new rechargeable batteries or a rechargeable battery that has not been used for an extended period of time (the batteries that passed the expiry date are exception) might affect the number of images that can be captured. Therefore, to maximize their performance and lifetime, we recommend that you fully charge the batteries and discharge them for at least one complete cycle before use.
- The battery may feel warm after long period of continuous use of the camera or the flash. This is normal and not a malfunction.
- The camera may feel warm after long period of continuous use. This is normal and not a malfunction.
- If the battery is not to be used for a long period of time, remove it from the camera to prevent leakage or corrosion.
- If the batteries are not to be used for a long period of time, store it after no battery power left. If the battery is stored for a long time in a fully charged state, its performance may be impaired.
- Risk of explosion if battery is replaced by an incorrect type.
- Dispose of used batteries according to the instructions.
- Never use batteries of different types (together) or mix old and new batteries.
- Never use manganese batteries.

CONTENTS

INTRODUCTION

Overview

Congratulations on your purchase of the new digital camera.

The main features provided by the camera include the following:

LCD monitor –	1.5" color TFT LCD (228 x 220 pixels) monitor makes it easy to frame your subject when capturing images. It also displays the images you have captured.
Recording media –	16 MB internal memory available for image storage. External memory supports SD memory card up to 1 GB capacity.
Digital zoom –	4X digital zoom permits zoom photography.
Flexible flash settings –	Change the flash setting according to your lighting environment and photography mode setting.
Focus mode –	Images can be captured with the distance to the subject set by normal and macro.
Shooting mode –	Capture different still images including single, self timer, continuous 1.3MP and continuous VGA.
Video mode –	Record video clips without voice.
Thumbnail display –	Displays a set of 6 images on the LCD monitor for easier and quicker selection of images.

Package contents

Carefully unpack your camera and ensure that you have the following items:

- ■ Digital camera
- ■ USB cable
- ■ Quick guide
- ■ 2 x AAA alkaline batteries
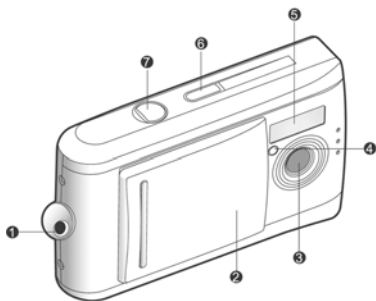
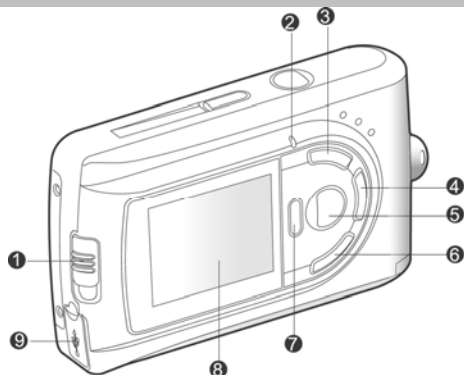- ■ Software CD-ROM
- ■ Camera strap
- ■ Camera pouch

📷 NOTE

■ Accessories and components vary by retailer.

GETTING TO KNOW YOUR CAMERA

Front View

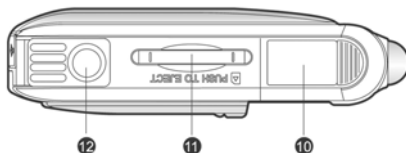| #	Name	Description
1.	Strap eyelet	Camera strap attachment.
2.	Lens cover	Protects the lens
3.	Lens	Designed to collect and focus rays of light to form a sharp image on the sensor.
4.	Self-timer LED	Blinks during Self-timer mode until image is captured.
5.	Flash	Provides flash illumination.
6.	**POWER** Power button	Turns the camera power on and off.
7.	Shutter button	Captures an image or records a video clip when the button is pressed.

Rear View

#	Name	Description
1.	Focus switch	Allows you to choose the appropriate focus setting.
	▲ Normal mode	Allows you to capture images of subjects at a distance of 1.5m to infinity.
	♥ Macro mode	Allows you to capture close-ups of subjects up to the distances from 0.4 - 0.6m.
2.	Status LED	Displays the camera current state.
3.	▲ Arrow button (up)	Scrolls upward.
	▶ Playback button	Enters or exits playback mode.
4.	▶ Arrow button (right)	Scrolls right.
	MODE button	Sets the camera mode.

#	Name	Description
5.	**SET** button 🔺 Flash button	Confirms the chosen settings. Allows you to choose the appropriate flash setting.
6.	▼ Arrow button (down) **MENU** button	Scrolls downward. Toggles OSD menu on and off.
7.	◀ Arrow button (left) 🔍 Zoom button	Scrolls left. Zooms in/out the image.
8.	LCD monitor	Provides menu information to operate the camera and previews the image before capturing it and review it afterwards.
9.	USB connector	Connects a USB cable to the camera.

#	Name	Description
10.	Battery cover	Allows loading the batteries.
11.	Memory card cover	Accesses to the memory card.
12.	Tripod socket	Allows tripod mounting.

LED Indicator & Beep

This describes the color and state of the LED indicator.

LED	Color	State	Description
Self-timer	Red	Blinking	Self-timer function is activated.
Status	Green	Blinking	Flash charging in progress.
		On	Camera is powered on.
			Charging process is completed.
	-	Off	Flash is off.

Beep

Beep	Description
1 sound	The camera is powered on.
	Camera operation.
	Self-timer mode for the first 7 seconds.
	After an image / video clip is captured.
2 sounds	Cannot operate or undefined button function.
	Low battery power
4 sounds	Self-timer mode for the last 3 seconds.
No sound	Beeper is set to off.

LCD Monitor Icons

Capture mode
1. Capture mode
2. Focus mode
   [No icon] Normal mode
   [🌷] Macro mode
3. Shooting mode
   [No icon] Single
   [🕐] Macro mode
   [📑] Cont. 1.3MP
   [📑] Cont. VGA
4. White balance
   [**A**] Auto
   [🔆] Daylight
   [☁] Cloudy
   [🏠] Tungsten
   [🗔] Fluorescent
5. Size
   [▪▪] VGA
   [▪▪▪] 1.3MP
   [▪▪▪] 3MP
   [▦] 4MP
   [▦] 5MP
6. Quality
   [★] Normal
   [★★] Fine
   [★★] Super fine

7. Possible number of shots (at the current size and quality settings)
8. Digital zoom indicator
9. Flash mode
   [🚫] Flash off
   [A⚡] Auto flash
   [👁⚡] Flash off
10. Remaining battery status
    [▬] Full battery power
    [▭] Medium battery power
    [▢] No battery power (Blinking)
11. Storage media
    [No icon] Internal memory
    [▦] SD memory card

Video mode

1. Video mode
2. Storage media
3. Remaining battery status
4. Possible recording time
5. Size
6. Focus mode (at preview mode only)

Playback mode-Still image playback

1. Capture mode
2. Protect icon
3. File number / total files
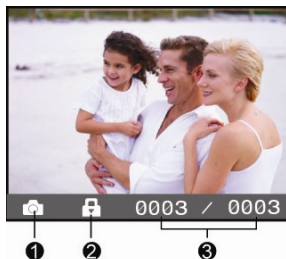
Playback mode-Video playback

1. Total recorded time
2. Video mode
3. Protect icon
4. File number / total files
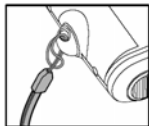5. Video playback / stop indicator

GETTING STARTED

Attaching the Hand Strap

To prevent accidental slippage during use, always use
the strap.
- Attach the camera strap as follows:
1. Thread the small loop of the hand strap through the
   hand strap eyelet on the camera.
2. Pull the large loop through the small loop until the strap
   is firmly secured

Installing Batteries

You can use 2 AAA size batteries (Alkaline, Ni-MH) to

power the camera.

1. Make sure the camera is off.
2. Slide the battery/SD card cover in the direction of
   the [OPEN] arrow.
3. Insert the batteries according to the correct polarity
   marks (+ or -).
4. Close the battery/SD card cover firmly.
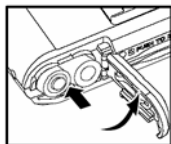
NOTE

- Avoid using batteries in extremely cold environments as low temperatures can
  shorten the battery life and reduce camera performance. This low temperature will
  also influence alkaline battery performance, therefore Ni-MH rechargeable battery is
  highly recommended.
- If you will not be using the batteries for an extended period of time, remove them
  from the camera to prevent leakage or corrosion.
- Never use batteries of different types (together) or mix old and new batteries.
- Never use manganese batteries.

Inserting an SD memory card (optional accessory)

The camera comes with 16MB (14MB available for image storage) of internal memory, allowing you to store images and video clips in the camera. However, you can expand the memory capacity by using an optional SD (Secure Digital) memory card so that you can store additional images and video clips.

1. Make sure the camera is turned off.
2. Slide the battery/SD card cover in the direction of the [OPEN] arrow.
3. Insert the SD memory card.
   - The front side of the memory card (printed arrow) should face towards the rear side of the camera.
   - If the card cannot be inserted, check the orientation.
4. Close the battery/SD card cover.
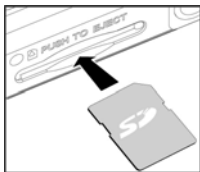
NOTE

■ Be sure to format the memory card with this camera before its initial usage. Refer to section in this manual titled "Formatting Media" for further details.

To remove a memory card:

Make sure the camera is turned off. Open the battery/memory card cover. Press lightly on the edge of the memory card and it will eject.

NOTE

■ To prevent valuable data from being accidentally erased from an SD memory card you can slide the write-protected tab (on the side of the SD memory card) to "LOCK".
■ To save, edit, or erase data on an SD memory card, you must unlock the card.
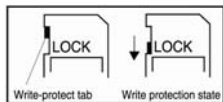
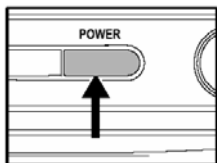# Turning the Power On/Off

Load the batteries before starting.

Turning the power on

1. Slide the lens cover to open.
2. Press the **POWER** button to turn the power on.
   - The status LED lights green and the camera is initiated.
   - When the power is turned on, the camera will start in the capture mode.

Turning the power off

Press the **POWER** button to turn the power off.

📝 **NOTE**

■ The power is turned off automatically when the camera has not been operated for a fixed period of time. To resume the operation condition, turn the power on again. Refer to section in this manual titled **"Power Off"** in the **Setup Menu** for further details.

Choosing the Language

Specify in which language menus and messages are to be displayed on the LCD monitor.

1. Toggle the **MODE** button to and press the **SET** button.
2. Select [Language] and toggle the **SET** button to select the displayed language.
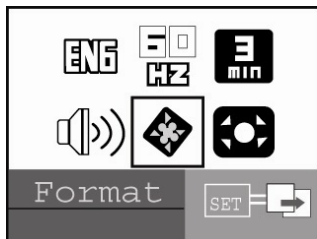
3. To exit from the menu, press the **MENU** button.

Formatting the SD Memory Card or Internal Memory

This utility formats the SD memory card (or internal memory) and erases all stored images and data.

1. Toggle the **MODE** button to and press the **SET** button.
2. Select [Format] with the ◀ / ▶ buttons and press the **SET** button.
3. Select with the ◀ / ▶ buttons and press the **SET** button.

   ■ To cancel formatting, select 🖾

   and press the **SET** button.

4. To exit from the menu, press the **MENU** button.

📝 NOTE

- To format the internal memory, do not insert an SD memory card into the camera. Otherwise, you will format the SD memory card.
- Formatting the SD memory card also erases the protected images. All data other than images are also erased. Before formatting the card, make sure that all the images are unnecessary.
- Formatting is an irreversible action and data cannot be recovered at a later time.
- An SD memory card having any problem cannot be properly formatted.

Setting Image Resolution and Quality

Resolution and quality settings determine the pixel size (dimension), image file size, and compression ratio for your image. These settings affect the number of images that can be stored in internal memory, or on an SD memory card. As you get to know the camera, it is recommended that you try each quality and resolution setting to get an appreciation for the effects that these settings will have on your images.

Higher resolution and higher quality images offer the best photographic results but produce large files sizes. Therefore, few images will take up a lot of memory space.

High resolution and quality settings are recommended for printed output and situations requiring the finest detail. Lower resolution/quality images take up less memory space and may be quite suitable for sharing images via e-mail, in a report, or on a web page.

To change image resolution or image quality, perform the steps below:

1. Toggle the **MODE** button to 📷, and press the **SET** button.
2. Press the **MENU** button.
3. Select [Quality]/[Size] with the ◀/▶ buttons.
4. Toggle the **SET** button to select the desired setting.
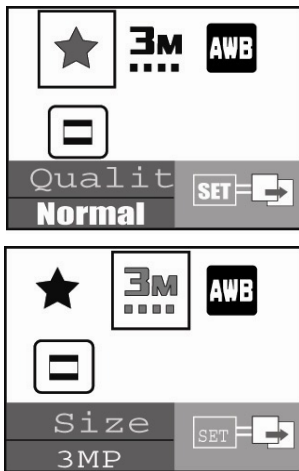
5. To exit from the menu, press the **MENU** button.

NOTE

■ In video mode, only size setting is available.

Possible number of shots (still image)

The table below shows the approximate number of shots that you can take at each setting based on internal memory and SD memory card.

Resolution	Quality	Internal Memory	SD Memory Card					
			32MB	64MB	128MB	256MB	512MB	1GB
2560x1920 5MP	Normal	31	58	118	240	482	967	1936
	Fine	24	46	95	192	385	773	1549
	Super fine	18	35	71	144	291	584	1169
2304x1728 4MP	Normal	33	62	126	256	514	1031	2066
	Fine	26	49	100	202	406	814	1631
	Super fine	20	38	79	160	321	644	1291
2048x1536 3MP	Normal	39	74	152	307	617	1238	2479
	Fine	31	58	118	240	482	967	1936
	Super fine	24	46	95	192	385	773	1549
1280x960 1.3MP	Normal	52	98	200	404	812	1629	3262
	Fine	45	84	172	349	701	1407	2817
	Super fine	35	66	135	274	551	1105	2213
640x480 VGA	Normal	110	207	422	853	1714	3439	6886
	Fine	90	169	345	689	1402	2814	5634
	Super fine	76	143	292	590	1187	2381	4767

* The above data shows the standard testing results. The actual capacity varies according to the shooting conditions and settings.

**Possible recording time / sec (video clip)**

Size	Internal Memory	SD memory card					
		32MB	**64MB**	**128MB**	**256MB**	**512MB**	**1GB**
VGA	1:00	1:53	3:52	7:49	15:42	31:30	1:03:05
QVGA	1:14	2:19	4:45	9:37	19:19	38:45	1:17:35

* The data shows the standard testing results. The actual capacity varies according to the shooting conditions and settings.

* Frame rate of video recording would be different depending on the SD memory card access speed. If using a low access speed SD memory card, it influences the frame rate and recording time.

CAPTURE MODE

Normal Mode

Your camera is equipped with a 1.5" TFT LCD monitor to help you compose images, playback recorded images/movie clips or adjust menu settings. Before you start capturing images, be sure that the lens cover is opened and the focus switch is set to the appropriate photography mode.
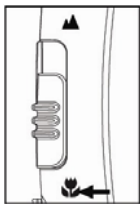
1. Set the focus switch to
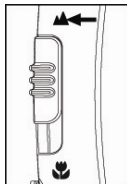
   ▲.

2. Slide the lens cover to open.

3. Press the **POWER** button.

4. Toggle the **MODE** button to 📷 and press the **SET** button.

5. Compose your image in the LCD monitor.
   Place the subject of your photo at the center and press the shutter button.

📝 **NOTE**

■ The LCD monitor darkens in strong or bright light. This is not a malfunction.

Macro Mode

For close-up of small subjects like flowers or insects, shoot using the Macro mode.
You can use this feature for close-ups of subjects up to the distances from 0.4 –
0.6m.

1. Set the focus switch to
   🌷.
2. Slide the lens cover to
   open.
3. Press the **POWER**
   button.
4. Toggle the **MODE**
   button to 📷 and press the **SET** button.
5. Compose the image and press the shutter button.

📝 **NOTE**

- The flash mode is automatically set to off for close-up photography.

- Don't forget to set the focus switch back to Normal mode (the focus switch is

  set to ▲) after close-ups shooting.

Digital Zoom

Using digital zoom, images appear closer.
Digital processing lets you zoom in the
image without deterioration.

1. Toggle the **MODE** button to 📷, and
   press the **SET** button.

2. Compose your picture while viewing the
   LCD monitor.

3. Toggle the 🔍 button to magnify up to
   4x.

$$1X \rightleftarrows 2X \rightleftarrows 3X \rightleftarrows 4X$$

4. Press the shutter button to capture a "zoomed" image.

📝 **NOTE**

- The digital zoom function is not automatically cancelled after the image is captured.
- The digital zoom is only activated in single and self-timer shooting modes.
- 4MP and 5MP are made by F/W interpolation so the digital zoom is not available.

Flash

Set the flash for capturing images. The

flash firing mode can be set to suit for

the photographic conditions. When the

camera is in Normal mode (the focus

switch is set to ▲▲.), you can capture an

image using a flash mode suitable to

your circumstances.

1. Toggle the **MODE** button to 📷, and press the **SET** button.

2. Toggle the ⚡ button until the desired flash mode appears.

3. Compose the image and press the shutter button.

The available flash settings in normal mode:

Flash mode	Description
⚱ Flash off	The flash will not fire. Select this mode when taking images in a place where flash photography is prohibited, or when the distance to the subject is beyond the effective range of the flash.
A⚡ Auto flash	The flash fires automatically according to the ambient lighting conditions. Select this mode for general flash photography.

Flash mode	Description
⦿⚡ Red-eye reduction	Use this mode to reduce the red-eye effect when you want to capture natural-looking photographs of people and animals in low-light conditions. When capturing photographs of people, the red-eye effect can be reduced by increasing the room lighting if possible and having your subject not look directly into the camera. The camera's pre-flash and slight delay in this mode will also help to improve your images.

NOTE

- Flash off is the default setting.
- The flash mode is automatically set to off for close-up photography.
- If you will not be using the flash, turn it off. Turning the flash OFF will result in faster camera startup and faster operation because the capacitor will not be charged needlessly. Turning the flash OFF when not needed, will also improve battery life.

Shooting Mode

This sets the recording method at the time of capturing images. You can capture different still images including single, self-timer, continuous 1.3MP and continuous VGA.

1. Toggle the **MODE** button to 📷 and press the **SET** button.

   a. Press the **MENU** button.

b. Select [Shooting] with the ◀/▶ buttons.

c. Toggle the **SET** button to select the desired option item.

d. Press the **MENU** button to exit from the menu screen.

2. Compose the image and press the shutter button.

This table below will help you choose the appropriate shooting mode:

Shooting mode	Description
(No icon) Single	Captures an image at a time.
⏱ Self-timer	The image is captured about 10 seconds after the shutter button is pressed. The self-timer LED blinks slowly for 7 seconds and then blinks rapidly for the last 3 seconds. This allows you to get into the scene when taking group images.
Cont. 1.3MP	Permits continuous photography of 3 images max with the image size of 1.3MP.
Cont. VGA	Permits continuous photography of 3 images max with the image size of VGA.

VIDEO MODE

Recording Video Clips

This mode allows you to record video clips (without audio) at a resolution of VGA / QVGA pixels.

1. Slide the lens cover to open.
2. Press the **POWER** button.
3. Toggle the **MODE** button to 🎥 and press the **SET** button.
4. To start recording a video clip, press the shutter button.
   - The recording time depends on the storage size and the subject of the image to be recorded.
5. Pressing the shutter button again stops recording.
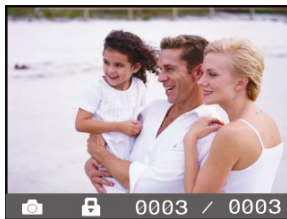
📝 **NOTE**

- Flash cannot be used.

PLAYBACK MODE

Playing Back Still Images

You can play back still images on the LCD monitor.

1. Slide the lens cover to open.
2. Press the **POWER** button.
3. Press the ▶ button.
   - The last image appears on the screen.
4. Select the desired image with the ◀/▶ buttons.
   - To view the previous image, press ◀ button.

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■ To view the next image, press ▶ button.

📑 **NOTE**

■ Images are played back from the following storage media:

* When no memory card is loaded, it plays back from internal memory.

* When an SD memory card is loaded, it plays back from SD memory card.

■ If there are no images stored in memory, icon will appear on the LCD monitor.

Playing Back Video Clips

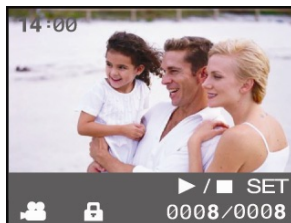You can play back video clips on the LCD monitor.

1. Press the 🖸 button.

■ The last image appears on the
   screen.

2. Select the desired video clip with

   the ◀/▶ buttons.

■ To view the previous video clip,
   press ◀ button.

■ To view the next video clip,
   press ▶ button.

3. Press the **SET** button.

■ Playback begins.

■ The elapsed time is displayed on the LCD monitor.

■ Press the **SET** button again to stop the playback.

NOTE

- To play the video clip back on your computer, you may use either Windows Media Player or Apple "QuickTime Player".
- QuickTime basic player is available free of charge, compatible with both Mac and Windows- computers and can be download from the Apple web site at www.apple.com. For help using QuickTime Player usage, please refer to the QuickTime on-line help for more information.

Slide Show Display

The slideshow function enables you to playback your images back automatically in order one image at a time.

1. Press the ▶ button.

2. Press the **MENU** button.

3. Select [Slide Show] with the ◀/▶

   buttons and press the **SET** button.

   ■ The slideshow starts.
   ■ All still images in the folder are automatically played back.

4. To stop the slideshow during playback, press the **SET** button.

NOTE

■ Video clips are displayed the first frame image, and they are not played back.

Protecting Images

Set the data to read-only to prevent images from being erased by mistake.

1. Press the ▶ button.

2. Press the **MENU** button.

3. Select [Protect] with the ◀/▶ buttons

   and press the **SET** button.

4. Select 🔒 and press the **SET** button

   ■ Protection is applied to the image and
     the camera returns to the playback
     mode.

   ■ The protect icon 🔒 is displayed with protected images.

Thumbnail Display

This function allows you to view as many as 6 thumbnail images on the LCD
monitor simultaneously so you may search

for a particular image.

1. Press the ▶ button.

2. Press the **MENU** button.

3. Select [Thumbnail] with the ◀/▶
   buttons and press the **SET** button.

4. Press the ◀/▶ buttons to select the
   image to be displayed at regular size.

5. Press the **SET** button.
   ■ The selected image is displayed at its regular size.

Rotating the Images

You can rotate still images during image playback.

1. Press the ▶ button.
2. Press the **MENU** button.
3. Select [Rotation] with the ◀/▶ buttons and press the **SET** button.
   ■ The image is in a 90 degree rotated and displayed counterclockwise.
4. Repeating the steps 2 –3 will return the image to the normal display.

DELETING IMAGES

Deleting single images/Deleting all images

1. Press the ▶ button.
2. Press the **MENU** button.
3. Select the [Delete] or [Delete All] with the ◀/▶ buttons and press the **SET** button.
   ■ Delete: Deletes the selected/last image/video clip except for the
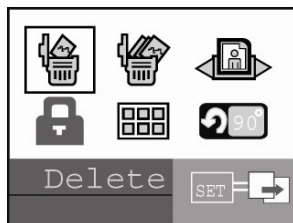
protected file.

■ Delete All: Deletes all of the
  images/video clips except for the
  protected files.

4. Select **ŌK** with the ◀/▶ buttons

   and press the **SET** button.

   ■ To not delete, select 🖾 and press
     the **SET** button.

   ■ 🖪=0 is displayed when no images

     are stored in the memory card (or internal memory).

📝 NOTE

■ To delete images or videos stored in internal memory, do not insert a memory
  card into the camera. Otherwise, you will delete the images or video clips
  stored on the memory card.
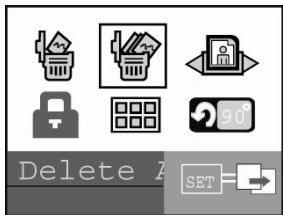
MENU OPTIONS

Capture Menu

This menu is for the basic settings to be
used when capturing still images.

1. Toggle the **MODE** button to 📷 and

   press the **SET** button.

2. Press the **MENU** button.

3. Select the desired option item with the ◀/▶ buttons.

4. Toggle the **SET** button to select the desired setting.

5. To exit from the menu, press the **MENU** button.

■ **Quality**

This sets the quality (compression rate) at which the image is captured.

* [★]   Normal

* [★★]   Fine

* [★★]   Super fine

■ **Size**

This sets the size of the image that will be captured.

* [▪▪] VGA

* [▪▪▪] 1.3MP

* [▪▪▪] 3MP

* [▦] 4MP

* [▦] 5MP

■ **WB (White Balance)**

This sets the white balance capturing under a variety of lighting conditions and permits images to be captured that approach the conditions that are seen by the human eye.

* [**A**]   Auto

* [☀]   Daylight

* [☁]   Cloudy

* [♠]   Tungsten

* [☲]   Fluorescent

■ **Shooting**

Refer to section in this manual titled **"Shooting Mode"** for further details.

Video Menu

This menu is for the basic settings to be used when recording video clips.

1. Toggle the **MODE** button to 📹 and press the **SET** button.
2. Press the **MENU** button.
3. Toggle the **SET** button to select the desired setting.
4. To exit from the menu, press the **MENU** button.
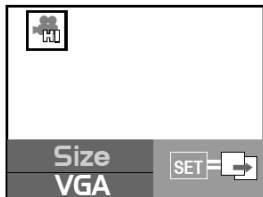
■ **Size**

This sets the size of the video clip that will be recorded.

*[▪▪] VGA
*[▪] QVGA

Playback Menu

In the mode, set which settings are to be used for playback.

1. Press the ▶ button.
2. Press the **MENU** button.
3. Select the desired option item with the ◀/▶ buttons.
4. Press the **SET** button to enter its submenu or execute its function.
5. Select the desired setting with the ◀/▶ buttons and press the **SET** button.
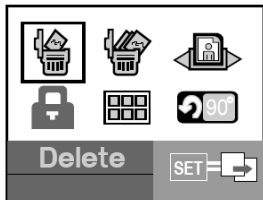
6. To exit from playback mode, press the ▶ button.

■ **Delete**

Refer to the section in the "Deleting Images" for further details.

■ **Delete All**

Refer to the section in the "Deleting Images" for further details.

■ **Slideshow**

Refer to the section in the "Slideshow Display" for further details.

■ **Protect**

Refer to the section in the "Protecting Images" for further details.

■ **Thumbnail**

Refer to section in this manual titled "Thumbnail Display" for further details.

■ **Rotation**

Refer to the section in the "Rotating Images" for further details.

Setup Menu

Set your camera's operating environment.

1. Toggle the **MODE** button to 🕱 and press the **SET** button.
2. Select the desired option item with the ◀/▶ buttons.
3. Toggle the **SET** button to select the desired setting.

4. To exit from the menu, press the **MENU** button.

■ **Language**

Refer to section in this manual titled "Choosing the Language" for further details.

■ **Frequency**

This camera supports different lighting frequencies: 50 Hz and 60 Hz. When photographing under fluorescent lighting, select the correct frequency setting depending in your local area's voltage. This function is only effective if you set the White Balance to Fluorescent setting.

* 50Hz / 60Hz

■ **Power Off**

If no operation is performed for a specific period of time, the power to the camera is automatically turned off. This feature is useful to reduce battery wear.

* 1 Min. / 3 Min. / Off

■ **Beeper**

This sets whether or not to mute the camera sound each time you press the camera button.

* On / Off

■ **Format**

Refer to section in this manual titled "Formatting the SD Memory Card or Internal Memory" for further details.

■ **Reset**

This returns all basic settings to the camera's default settings.

TRANSFERRING RECORDED IMAGES TO YOUR COMPUTER

To transfer images/video clips from the camera to your computer, follow these steps:

Step 1: Installing the USB driver (Windows 98 and Mac OS 9.0 users only)

Step 2: Connecting the camera to your computer

Step 3: Downloading image and video files

System Requirements (Windows)

■ Pentium 200 MHz or higher

■ Windows 98/98SE/Me/2000/XP

■ 64MB RAM

■ 128MB hard disk space

■ CD-ROM drive

■ Available USB port

System Requirements (Macintosh)

■ PowerPC G3/G4

■ OS 9.0 or later

■ 64MB RAM

■ 128MB hard disk space

■ CD-ROM drive

■   Available USB port

Step 1: Installing the USB driver

Windows 98 computers

The USB driver on the CD-ROM is exclusively for Windows 98 computers. Installing the USB driver on computers running Windows 2000/ME/XP is not necessary.

1. Insert the CD-ROM that came with the camera into your CD-ROM drive. The welcome screen appears.
2. Click "**USB/PC CAM DRIVER**". Follow the on-screen instructions to complete the installation. After the USB driver has been installed, restart your computer.

Macintosh OS 9.0 computers

For Mac OS 9.0 or higher, the computer will automatically recognize the camera and load its own USB drivers.

📝 NOTE

■ The USB driver that bundled inside the CD-ROM is designed in a form 2 in 1 (USB & PC camera driver).

   a) On Windows 98, the Windows OS will install both USB & PC camera drivers.

   b) On Windows 2000/ME/XP, it will only install PC camera driver.

Step 2: Connecting the camera to your computer

1. Connect one end of the USB cable to an available USB port on your computer.
2. Connect the other end of the USB cable to the USB connector on the camera.

3. Select with the ◀/▶ button and press the **SET** button.
4. From the Windows desktop, double click on "My Computer".
5. Look for a new "removable disk" icon.

   This "removable disk" is actually the memory (or memory card) in your camera. Typically, the camera will be assigned drive letter "e" or higher.
6. Double click on the removable disk and locate the DCIM folder.
7. Double click on the DCIM folder to open it to find more folders.
   - Your recorded images and video clips will be inside these folders.
   - Copy & Paste or Drag-N-Drop image and video files to a folder on your computer.
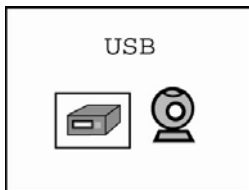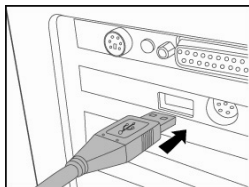
Mac users: Double-click the "untitled" disk drive icon on our desktop. iPhoto may automatically launch. The volume label may vary depending upon whether you use internal camera memory, or a memory card.

Step 3: Downloading Images/Video clips

When the camera is turned on and connected to your computer, it is considered as a disk drive, just like a floppy disk or CD. You can download (transfer) images/video clips by copying them from the "removable disk" ("untitled" disk on a Macintosh) to your computer hard drive or to another kind of disk.

Windows-

Open the "removable disk" and subsequent folders by double clicking on them. Your images are inside these folder(s). Select the images that you want, and then choose "Copy" from the "Edit" menu. Open the destination location (folder) and choose "Paste" from the "Edit" menu. You may also drag and drop image files from the camera to a desired location.

Macintosh-

Open the "untitled" disk window and the hard disk or the destination location. Drag and drop from the camera disk to the desired destination.

📝 NOTE

- Memory card users may prefer to use a memory card reader (highly recommended).
- Video playback application is not included with the package. Make sure that video playback application has been installed in your computer.

USING THE CAMERA AS A PC CAMERA

Your digital still camera can act as a PC camera, which allows you to videoconference with business associates, or have a real-time conversation with friends or family.

To use the camera as a PC camera, follow these steps:
Step 1: Installing the PC camera driver (same as USB driver)
Step 2: Connecting the camera to your computer
Step 3: Running your application software (i.e. Windows NetMeeting)

📝 **NOTE**

- Video conferencing (or video editing) software is not included with the camera.
- This mode is not supported for Mac.

General System Requirements for Videoconferencing

To use the camera for videoconferencing, your computer system must include:
- Microphone
- Sound card
- Speakers or headphones
- Network or Internet connection

Step1: Installing the PC Camera Driver

The PC-camera driver included on the CD-ROM is exclusively for Windows. The PC camera function is not supported for Mac platforms.

1. Insert the CD-ROM that came with the camera into your CD-ROM drive. The welcome screen appears.
2. Click "**USB/PC CAM DRIVER**". Follow the on-screen instructions to complete the installation.
3. After the driver installation is completed, restart your computer.

📝 **NOTE**

- The USB driver that bundled inside the CD-ROM is designed in a form 2 in 1 (USB & PC camera driver).
  a) On Windows 98, the Windows OS will install both USB & PC camera drivers.
  b) On Windows 2000/ME/XP, it will only install PC camera driver.

Step2: Connecting the Camera to Your Computer

1. Connect one end of the USB cable to an available USB port on your computer.

2. Connect the other end of the USB cable to the USB connector on the camera.

3. Select ⚙ using the ◀/▶ button and press the **SET** button.

4. Position the camera steadily on top of your computer monitor or use a tripod.

Step3: Running Your Application Software (i.e. Windows NetMeeting)

To use Windows NetMeeting for videoconferencing:

1. Go to **Start** → **Programs** → **Accessories** → **Communications** → **NetMeeting** to launch the NetMeeting program.

2. Click the **Start Video** button to view live video.

3. Click the **Place Call** button.

4. Type the e-mail address or the network address of the computer that you are calling.

5. Click **Call**. The person that you are calling must also have Windows NetMeeting running and be willing accept your call to start the videoconference.

📝 NOTE

■ For more information about the operation of videoconference application software, refer to its respective help documentation.

SOFTWARE INSTALLATION

Installing Photo Explorer

Ulead® Photo Explorer provides a simple and efficient way to transfer, browse, modify and distribute digital media. Acquire photos, video or sound clips from

various digital device types and easily browse or add personal descriptions; make timely modifications; or distribute the media through the medium of your choice: E-mail, Print, Slideshow Presentations. It is an indispensable all-in-one tool for owners of digital cameras, WebCams, DV camcorders, scanners, or anyone who strives to effectively organize a large collection of digital media.

1. Insert the enclosed CD-ROM into your CD-ROM drive.
2. When the welcome screen appears, click "**Install Ulead® Photo Explorer**". Follow the on-screen instructions to complete the installation.

NOTE

- For more information about the operation of Photo Explorer application software, refer to its respective help documentation.
- For Windows 2000/XP users, please make sure to install and use the Photo Explorer in "Administrator" mode.
- Photo Explorer is not supported on the Mac. iPhoto or iPhoto2is recommended.

Installing Photo Express

Ulead® Photo Express is complete photo project software for digital images. The step-by-step workflow, visual program interface, and in-program help assist users in creating exciting photo projects. Acquire digital photos effortlessly from digital cameras or scanners. Organize them conveniently with the Visual Browse mode. Use hundreds of ready-to-use templates such as albums, cards, posters, slideshows, and more. Edit and enhance images with photo editing tools, photographic filters, and special effects.

Embellish projects by adding creative design elements such as frames, callouts,

and stamp objects.

Share results with family and friends via e-mail and multiple print options.

1.   Insert the enclosed CD-ROM into your CD-ROM drive.
2.   When the welcome screen appears, click "**Install Ulead® Photo Express**".
      Follow the on-screen instructions to complete the installation.

NOTE

- For more information on how to use Photo Express to edit and retouch your recorded images, please refer to its online help.
- For Windows 2000/XP users, make sure to install and use the Photo Express while logged in as a user with an Administrator account.
- Photo Express is not supported on the Mac.

CAMERA SPECIFICATIONS

Item	Description
Sensor	Approx. 3.2 Mega pixels
Image resolution	<Still image> 2560 x 1920 pixels (FW interpolation to 5 Mega pixels) 2304 x 1728 pixels (FW interpolation to 4 Mega pixels) 2048 x 1536 pixels 1280 x 960 pixels 640 x 480 pixels <Video clip> VGA pixels QVGA pixels
LCD	1.5" color TFT LCD (228 x 220 pixels)
Memory type	16MB internal memory (16MB available for image storage) Support SD memory card (up to 1GB capacity)
Files formats	JPEG, AVI (MPEG-1) for video clip
Lens	Focal length: f = 8.5mm F-number: 2.8
Focus range	Normal: 1.5m ~ infinity Macro: 0.4m ~ 0.6m
Video frame rate	VGA : 10fps QVGA : 15fps
Digital Zoom	4X digital zoom

Item	Description
Terminal	USB connector
Power supply	2 AAA Alkaline (1.5V) or Ni-MH (1.2V) batteries
Dimensions (W x H x D)	89.5 x 56 x 24 mm (exclusive of protruding features)
Weight	Approx. 82g (without batteries and memory card)

*Design and specifications are subject to change without notice.

TROUBLESHOOTING

Refer to the symptoms and measures listed below before sending the camera for repairs. If the problem persists, contact your local reseller or service center.

Power Supply

Symptom	Cause	Measure
The power does not come on.	The batteries are not loaded.	Load the batteries correctly.
	The batteries are exhausted.	Replace with a new set of batteries.
The power cuts out during use.	The camera was left unattended and unused, so the auto powers off cuts it off.	Turn the power back on.

Symptom	Cause	Measure
	The batteries are exhausted.	Replace with a new set of batteries.
The batteries run out quickly.	It is being used in extreme low temperature.	
	Many shots are being captured in dark places inside, requiring flash.	
The batteries or camera feels warm.	Long period of continuous use of the camera or the flash.	

Shooting

Symptom	Cause	Measure
Even if I press the shutter button, the camera does not shoot.	The batteries are running low.	Replace with a new set of batteries.
	The power is not on.	Turn the power on.
	The camera is not in shooting mode.	Toggle the **MODE** button to shooting mode.
	The internal memory or memory card does not have any free capacity.	Insert a new memory card, or delete unwanted files.

Symptom	Cause	Measure
	End of memory card life.	Insert a new memory card.
	The flash is recharging.	Wait until the status LED lights green.
	The memory card is unrecognized by the camera.	Format the memory card in this camera before its first use or when it was used other than this camera.
	The auto power off function is activated.	Turn the power on again.
	The memory card is write-protected.	Remove the write-protection.
Images do not appear on the LCD monitor.	The power is not on.	Turn the power on.
	The lens cover is not open.	Open the lens cover.
The flash does not fire. The flash cannot recharge.	The flash is set to off.	Switch to another mode other than one of those.
The image is too dark.	The image was captured in a dark place while set to no flash.	Set the flash to something other than flash off mode.

Playback

Symptom	Cause	Measure
Cannot playback.	It is not set to playback mode.	Toggle the ▶ button to playback mode.
The contents of memory card cannot be replayed.	You played back a memory card that was not formatted by this device.	Insert a memory card that was formatted and stored on by this device.
Files cannot be deleted.	The file is protected	Cancel protection.
	You played back a memory card that was not formatted by this device.	Loaded a card that was formatted and stored on by this device.
Cannot format a memory card.	The memory card is write-protected.	Remove the write-protection.
	End of memory card life.	Load a new memory card.

Other Problem

Symptom	Cause	Measure
Cannot load the memory card.	The card is facing the wrong way.	Insert correctly.
Even when the camera's buttons are pressed, it does not operate.	The battery is running low.	Recharge or use the AC power adapter.

About connecting to your computer/software

Symptom	Cause	Measure
Cannot download images.	The free space on the hard disk in your computer may be insufficient.	Check whether the hard disk has a space for running Windows, and if the drive for loading image files has a capacity at least that of the memory card inserted in the camera.
	The USB driver is not installed (for Windows 98/98SE).	Install USB driver.