WEEE Warning Message

Symbol for Separate Collection in European Countries

This symbol indicates that this product is to be collected separately.

The following apply only to users in European countries:

- This product is designated for separate collection at an appropriate collection point. Do not dispose of as household waste.
- For more information, contact the retailer or the local authorities in charge of waste management.

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.

- **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

INTRODUCING THE CAMERA 9

SYSTEM REQUIREMENTS 9
FEATURES 9
UNPACKING 10
ABOUT THE CAMERA 10
Front view 11
Top view 11
Back view 11
Bottom view 12
Right view 12

GETTING STARTED 13

INSERTING THE BATTERIES 13
INSERTING AN SD CARD 14
TURNING ON FOR THE FIRST TIME 14
CHANGING MODES 14
BEFORE YOU START 15
Setting the date and time 15
Setting the language 16
TAKING YOUR FIRST STILL PICTURE 16
SHOOTING YOUR FIRST VIDEO 16
CONNECTING TO A COMPUTER 17

USING THE CAMERA 18

USING THE CAMERA BUTTONS 18
ABOUT THE LEDS 19
USING THE LCD 19
PHOTO MODE 20
Photo mode icons 20
Setting the flash 22
Using the macro function 22

Using the zoom function 22
Possible number of shots (still image) 23
VIDEO MODE 24
Video mode icons 24
Using the macro function 25
Using the zoom function 25
Possible recording time / sec (video clip) 25
PLAYBACK MODE 26
Playback mode icons 26
Viewing pictures and videos 27
Displaying file information 27
Using thumbnail mode 28
Viewing a slide show 28
USB MODE 28
Storage device mode 28
Webcam mode 28

USING THE SETUP MENUS 29

PICTURE MENU 29
Picture quality 29
Exposure adjustment (EV) 29
Self timer 30
Burst snapshot 30
White balance 30
Time stamp 31
VIDEO MENU 31
Video Resolution 31
Exposure adjustment (EV) 32
White balance 32
PLAYBACK MENU 33
Delete 33
Delete All 33
Protect 34
Print 34

SETUP MENU 34
Date and time 34
Language 34
Format storage 35
TV output 35
USB connection 35
Auto power off 36
Light frequency 36
Default setting 36
System info 37

INSTALLING SOFTWARE AND DRIVERS 38

DRIVERS 38
Mass Storage 38
Web camera 38
PRESTO! VIDEO WORKS 6 39
PRESTO! MR. PHOTO 3 39

APPENDIX 40

SPECIFICATIONS 40
TROUBLESHOOTING 41

Introducing the camera

Read this section to learn about the features and functions of the camera. This chapter also covers system requirements, package contents, and descriptions of the hardware components.

System requirements

The camera requires a host PC with the following specifications:

- Windows® XP, 2000, ME, 98SE operating system
- Intel® Pentium III 500 MHz CPU or higher
- At least 256 MB of RAM
- Standard USB 1.1 port or better
- 4 x speed CD-ROM drive or better
- At least 200 MB of available disk space

NOTE

A USB 1.1 port will enable you to transfer files to and from your PC, but transfer speeds are much faster with a USB 2.0 port.

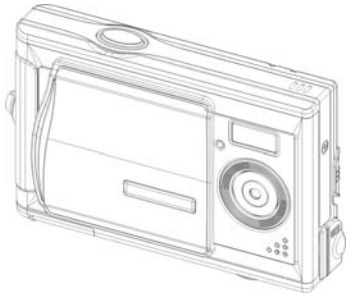
Features

The camera is packed full of features and functions including:

- 3-in-1 functions: Digital still camera, Digital video camera and Web camera.
- True 5.1 mega pixel CMOS sensor
- Maximum 12.0 mega pixels resolution
- 2.0” TFT LCD display
- 4X digital zoom
- Slide show option
- Direct print function

Unpacking

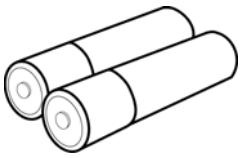
All the following items should be present in the camera package. If any item is missing or displays damaged, contact your dealer immediately.



Digital camera

Pouch

Wrist strap



AAA batteries x2

USB/AV Out cable

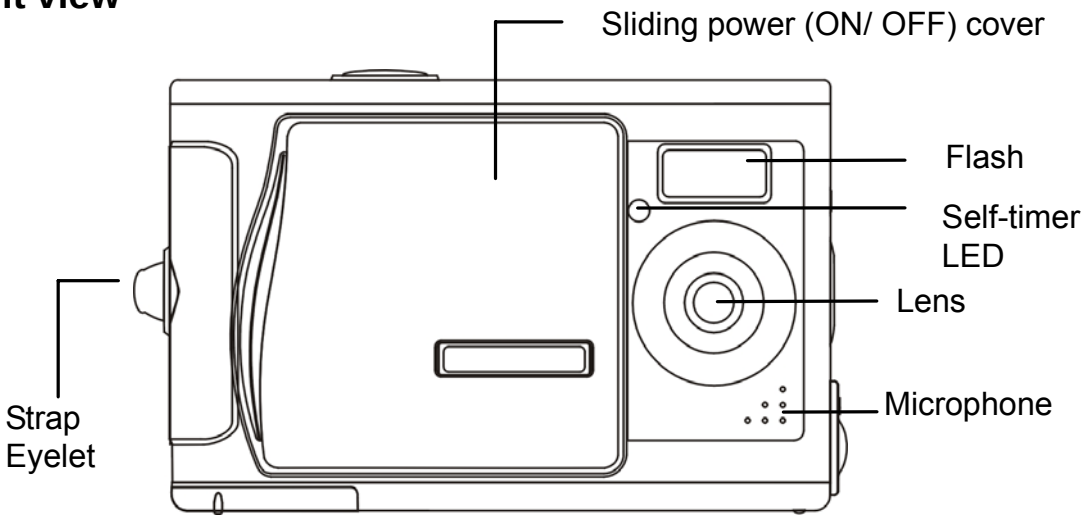
CD-ROM (driver and application software)

User manual

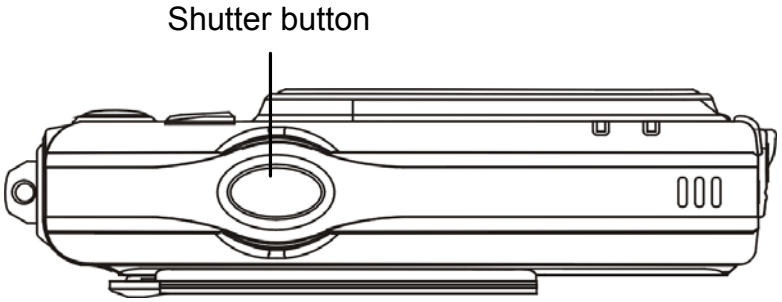
About the camera

Refer to the following illustrations to familiarize yourself with the buttons and controls of the camera.

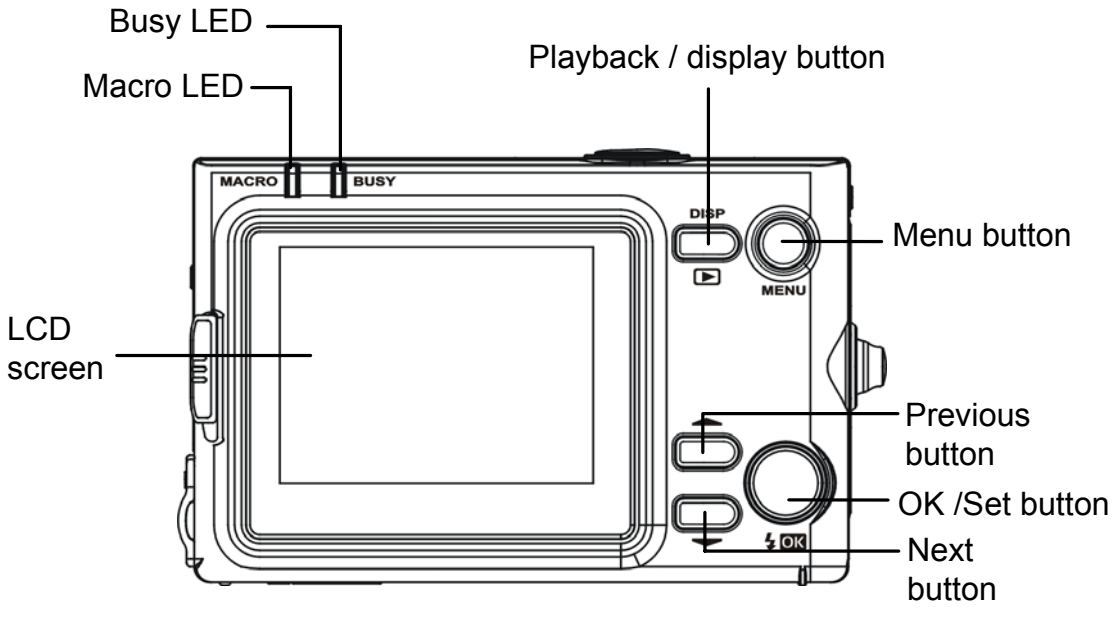
Front view



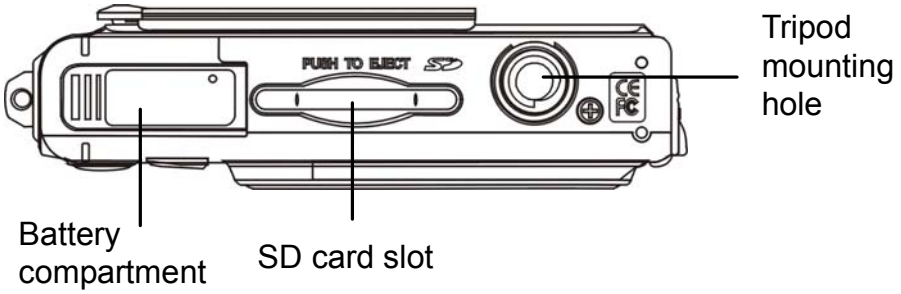
Top view



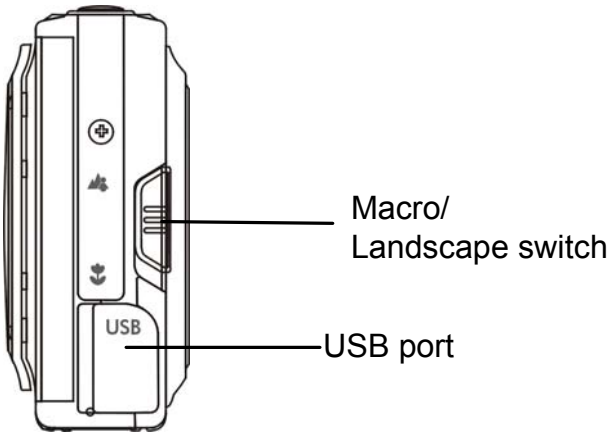
Back view



Bottom view



Right view



Getting started

Read this section to learn how to start using the camera. This section covers only basic functions such as inserting the battery or memory cards, turning it on, and making preliminary settings. See later chapters for details about advanced functions.

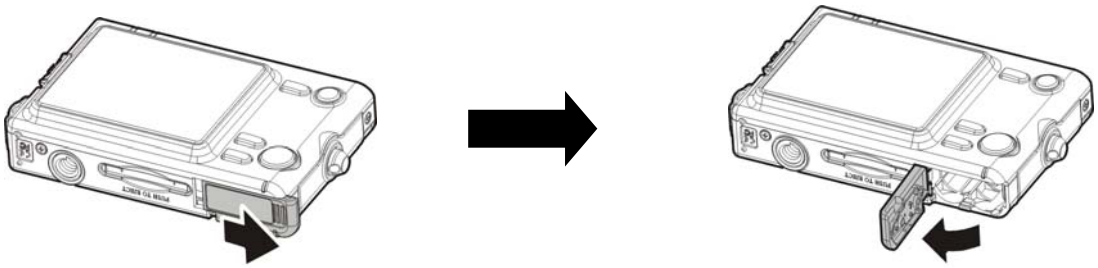
Inserting the batteries

The camera is powered by two AAA alkaline batteries.

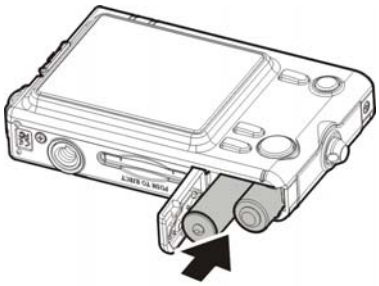
NOTE

Install the batteries exactly as described here. Ensure that the polarity of the batteries is correct. Installing the batteries incorrectly could cause damage to the camera and possibly start a fire.

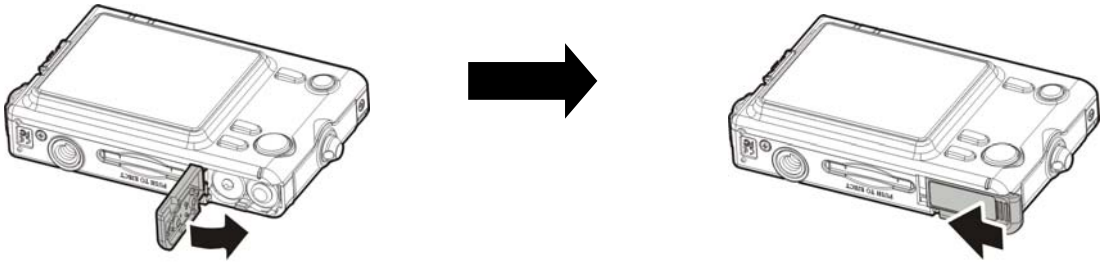
1. Open the battery compartment door.



2. Insert the battery as shown.

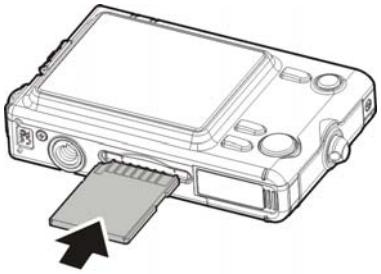


3. Close the battery compartment door.



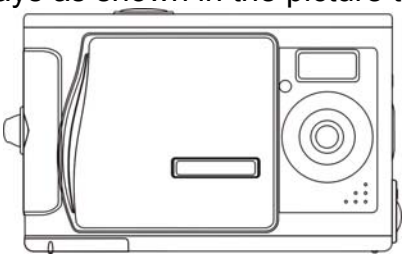
Inserting an SD card

An SD card can be installed in the camera to provide additional storage space for still images, video clips, or other files.
Install an SD card at the bottom of the camera as shown in the illustration. Make sure the gold contacts are facing up towards the LCD, as shown.
To remove the SD card, gently push it into the card slot and release. The card pops out. Slide out the card.

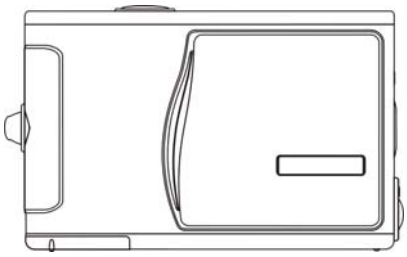


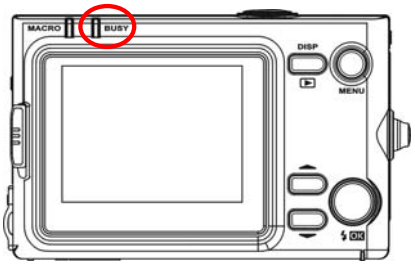
Turning on for the first time

Slide the power cover sideways as shown in the picture to switch the camera on.



Slide the power cover sideways as shown to switch the camera off.

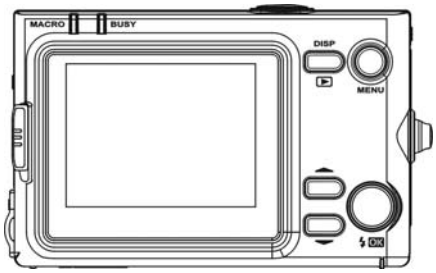




When the camera is switched on, the Busy LED will flash red, and an image will appear on the LCD display.

Changing modes

The camera can operate in four modes:
Photo, Video, Playback, and Setup.
Long press and hold the MENU button to view the mode menu. Use the Previous or Next buttons to select a mode and press OK/Set button to confirm your selection.



Before you start

Before you use your camera there are some basic settings to configure, which are described here.

Setting the date and time

To set the date and time:

1. Turn the camera on as described in “Turning on for the first time”.

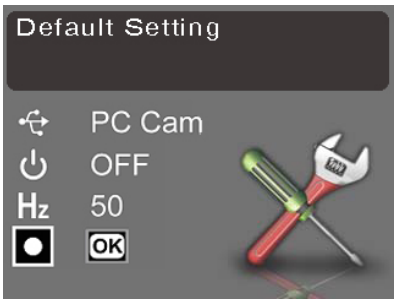
2. Press and hold the MENU button to display the main menu screen.

3. Use the Previous or Next buttons to select the setup menu, as shown. Press OK/Set button to confirm your selection.

4. Use the Previous or Next buttons to highlight the Date & Time Setting option. Press OK/Set button to confirm.

5. Use the Previous or Next buttons to alter values in the selected field. Press the Playback/Display button to move between fields such as year, month, date and so on.
   The year, month, hours, date, and minute format fields are available for modification in this manner.

6. Press OK/Set button to save the new setting. Press MENU to exit the menu without making any changes.



Setting the language

To set the language:

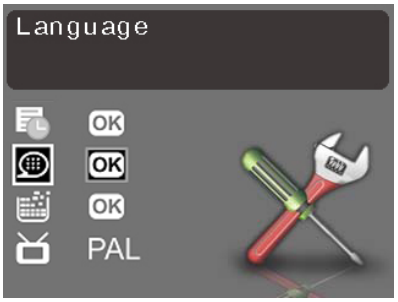
1. Turn the camera on as described in “Turning on for the first time”.

2. Press and hold the MENU button to display the main menu screen.

3. Use the Previous or Next buttons to select the setup menu. Press OK/Set button to confirm your selection.

4. Use the Previous or Next buttons to highlight the Language option. Press OK/Set button to confirm.

5. Use the Previous or Next buttons to select the desired language.



6. Press OK/Set button to save the new setting, or press MENU to exit the menu without making any changes.

Taking your first still picture

Before taking your first still picture, make sure you read “Before you start”.

To take a picture:

1. Turn the camera on and make sure it is in photo mode.
2. Use the LCD to frame the picture.
3. Press the shutter button to capture the picture.

The picture is automatically saved with a unique filename.

Shooting your first video

Before shooting your first video, ensure you have read “Before you start”.

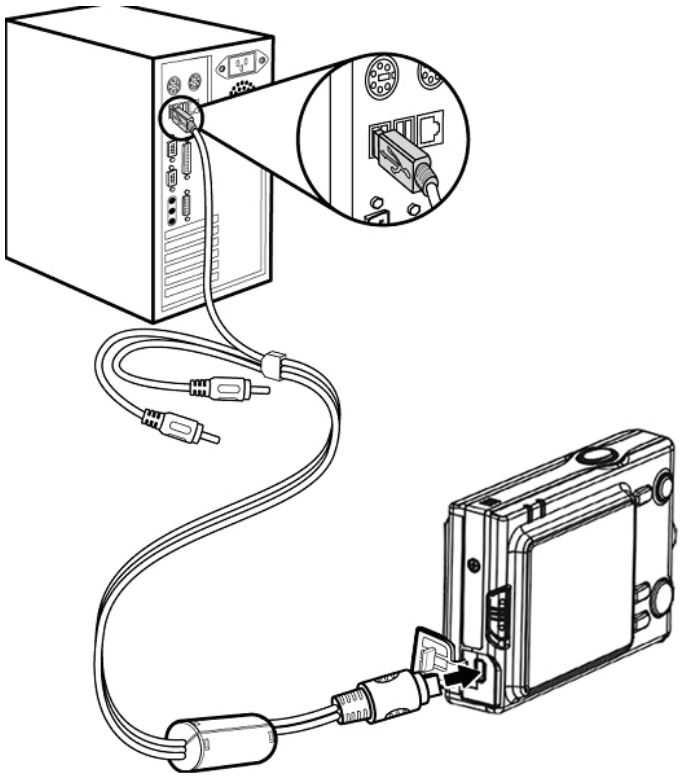
To shoot a video:

1. Turn on the camera and change the mode to video mode.
2. Use the LCD to frame your video.
3. Press the shutter button to begin recording.
4. Press the shutter button again to stop recording.

The video is automatically saved with a unique file name.

Connecting to a computer

Read this section to learn how to connect the camera to a computer to transfer files or to use the camera as a PC camera for web-conferences.
Connect the camera to a computer using the USB port and the USB cable provided as shown.
See “USB connection” for more information about connecting to a computer.

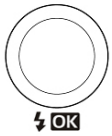


Using the camera

Read this section to learn how to use the camera.

Using the camera buttons

All buttons are located on the top and the back of the camera. See the table below for a description of each button's function.

Button	Name	Function
	Display	● Press to remove icons from the LCD. Press again to restore them. ● Press and hold the button to enter playback mode.
	Menu	● Press to display the Picture menu, Playback menu, or Video menu. ● Press and hold to display the Mode menu.
 	Previous / Next button & Zoom in / out	● Use Previous to zoom in Photo or Video modes. ● Use Next to zoom out in Photo or Video modes. ● Use Previous to increase image size or view the previous image in Playback mode. ● Use Next to decrease image size or view the next image in Playback mode.
	OK/Set button	● In Photo mode, press to turn on the flash. ● In Playback mode, press to display thumbnail images. ● In OSD menus, press to select a highlighted menu option.
	Macro/ Landscape switch	Toggle between Macro and landscape picture modes.

	Shutter	● Press to capture a picture in Photo mode ● Press to start/stop video recording in Video mode. ● Press to enlarge/reduce image size in Playback mode.

About the LEDs

The following tables explain the meaning of the LEDs.
●blink once
★blink lasting
◇light lasting

Photo mode		Power on	Self-capture	Shutter button	Flash charging	Macro
Self-timer LED	Red	●	★	N/A	N/A	N/A
Busy LED	Red	●	N/A	●	★	N/A
Macro LED	Green	N/A	N/A	N/A	N/A	◇

Using the LCD

Use the LCD to compose your pictures and videos, review pictures and videos stored in memory, and navigate the menu system. Icons shown the current configurations are also displayed on the LCD.

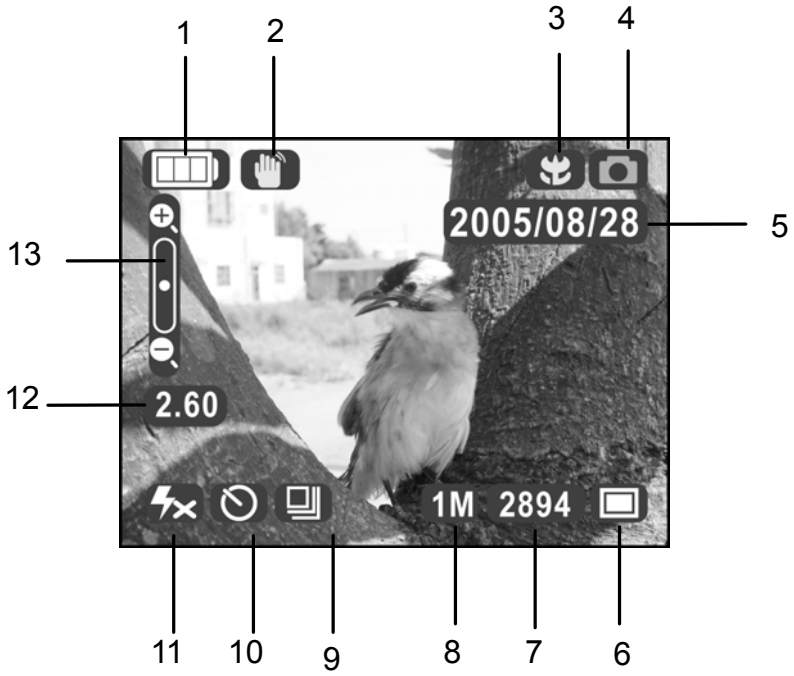
Customizing the LCD
If you don't want to display icons on the LCD, press the Display button to remove the icons from the screen.
When you turn the camera on, the LCD displays icons and pictures by default. Press the Display button once to turn off the icons and display pictures only. Press the Display button again to display everything again.

Photo mode

Use Photo mode to capture still pictures and store them in internal memory or on an SD card. The camera is in Photo mode when the Photo mode icon is displayed.

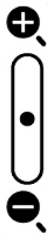
Photo mode icons

Use the following picture to familiarize yourself with the Photo mode icons and symbols.



See the following table for a description of each icon and symbol.

	Icon	Description
1		Indicates battery status.
2		Indicates stabilization of hand shaking.
3		Indicates macro mode.
4		Indicates Photo mode.

	Icon	Description
5	2005/08/28	Date display.
6		Memory indicator, SD card or internal memory.
7	2894	Counter to display the number of available shots using current settings.
8	1M	Shows current resolution
9		Indicates burst or single mode photo
10		Timer indicator
11		Flash mode indicator.
12	2.60	Indicates zoom ratio.
13		Zoom indicator shows the current zoom status graphically.

Setting the flash

There are three different flash modes. To switch between flash modes, press the OK/Set button. An icon indicates the current flash setting.

Icon	Description
	Flash is turned off
	Forced flash, flash is always on.
	Automatic flash, fires only when needed.

Using the macro function

The macro function enables you to capture images of subjects very close to the lens. In macro mode you can focus on subjects as close as 15cm. When not in macro mode the minimum distance is 16cm. Use macro mode for subjects 15-16cm from the camera.

To switch the macro function on, use the macro switch on the side of the camera. An icon displays to indicate macro mode. The macro function can be used in both Video mode and Photo mode.

Using the zoom function

The camera is equipped with a 4x digital zoom. The zoom function works in Photo mode and in Video mode.

Press the Previous button to zoom in on a subject (get closer to it). Press the Next button to zoom out from the subject (move away from it).

The bar on the left of the screen indicates the zoom status. The zoom ratio is also represented in figures under the zoom bar.

2.60

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	Internal	SD Memory Card				
	32MB	64MB	128MB	256MB	512MB	1GB
4048 x 3040 12MP	22	44	88	176	352	704
2592 x 1944 5MP	65	130	260	520	1040	2080
2048 x 1536 3MP	90	180	360	720	1440	2880
1280 x 960 1.3MP	165	330	660	1320	2640	5280

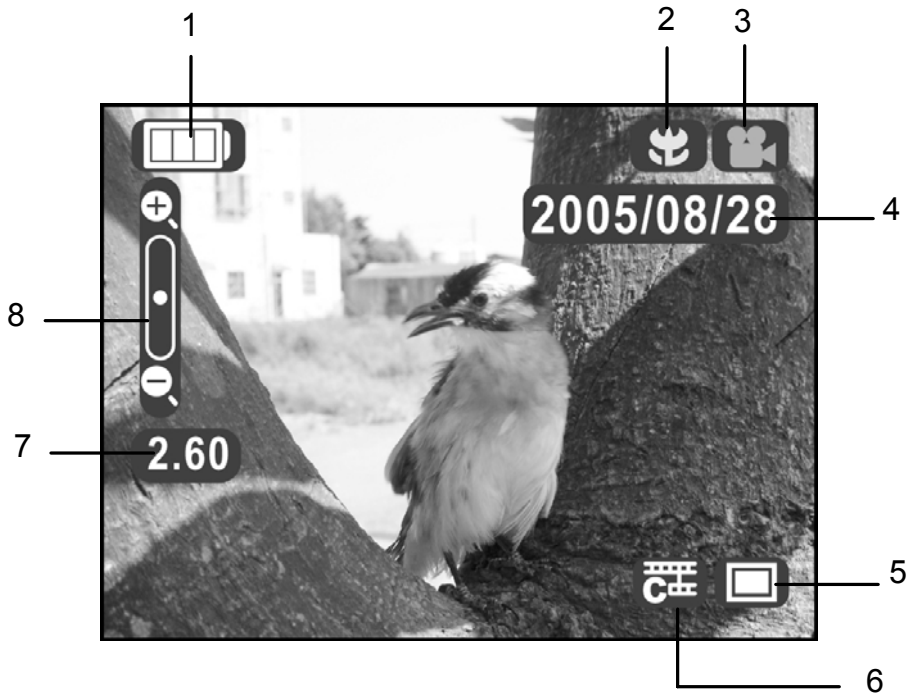
- The above data shows the standard testing results. The actual capacity varies according to the shooting conditions and settings.

Video mode

Use Video mode to capture video and store it in internal memory or on an SD card. The camera is in Video mode when the Video mode icon is displayed.

Video mode icons

Use the following picture to familiarize yourself with the Video mode icons and symbols.



See the table below for a description of each icon and symbol.

	Icon	Description
1		Indicates battery status.
2		Indicates macro mode.
3		Indicates Video mode.
4	2005/08/28	Date display.

	Icon	Description
5		Memory indicator, SD card or internal memory.
6		Indicates image resolution. C (CIF) =320x240, V (VGA) = 640x480
7	2.60	Indicates zoom ratio.
8		Zoom indicator shows the current zoom status graphically.

Using the macro function

Refer to “Using the macro function” in Photo mode.

Using the zoom function

Refer to “Using the zoom function” in Photo mode.

Possible recording time / sec (video clip)

Image size	SD card capacity					
	32 MB	64 MB	128 MB	256 MB	512 MB	1GB
640 x 480	5 min. 02 sec.	15 min. 13 sec.	20 min. 36 sec.	24 min. 36 sec.	50 min. 32 sec.	2 hours 15 min. 47 sec.
320 x 240	8 min. 59 sec	20 min. 53 sec.	31 min. 33 sec.	45 min. 31 sec.	97 min. 49 sec.	3 hours 15 min. 29 sec.

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

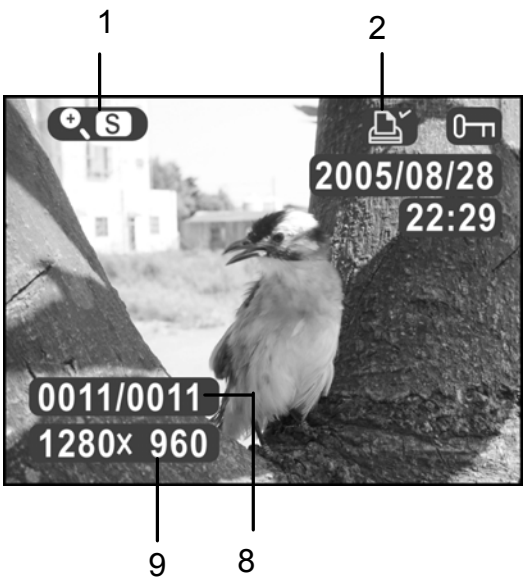
Playback mode

Use Playback mode to review all the pictures and videos stored in your camera.

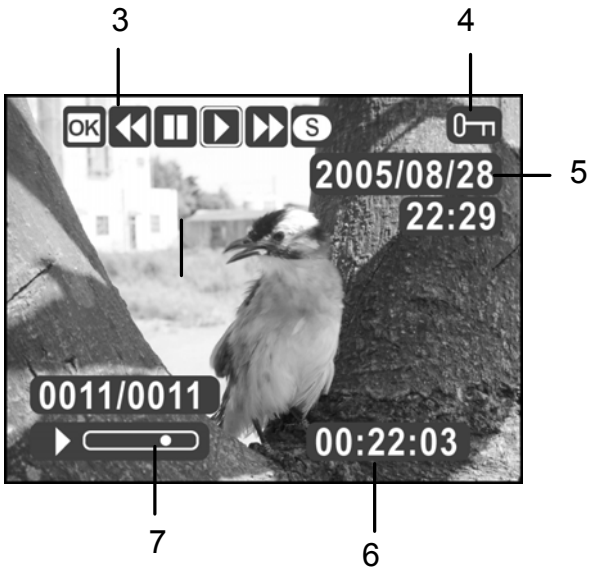
Playback mode icons

Refer to the following picture to familiarize yourself with the Playback mode icons and symbols.

Photo Playback



Video Playback



See the table below for a description of each icon and symbol.

	Icon	Description
1		Indicates that the displayed image can be zoomed and moved. Press the shutter button to enable zooming and moving.
2		Indicates the current picture is tagged for printing. See section “Print” for more details.
3		The playback bar indicates whether current video is paused, playing, being fast-forwarded, or rewound. Press the Shutter button and OK/Set button to operate the playback bar.
4		Indicates the current file is protected from deletion.

	Icon	Description
5		Time and date of photograph or video.
6		Shows the total length of video when paused, or the current position during playing back.
7		Shows current position of video. The circle moves from left to right as the video plays.
8		Current photo number/total number of photos and videos on internal memory or current memory card.
9		Photo resolution.

Viewing pictures and videos

To view pictures and videos:
Turn the camera on and ensure that it is in playback mode. The most recent picture is displayed on the screen.
Use Previous/Next button to move through the image and video files stored in memory.

Press OK/Set button to view thumbnails of the videos and images.
To play videos:

- Press the shutter button to play videos
- Press the shutter button again to fast forward through the video
- Press the shutter button again to pause the video.
- Press the OK/Set button to rewind the video.

Displaying file information

Basic information is displayed by default on each image or video when viewed in Playback mode. To switch this information on or off, press the Display button.
Press the display button a second time to remove all file information from the screen.
Press this button a third time to display basic information again.

NOTE

Video file can't remove all file information from the screen.

Using thumbnail mode

By default, each image is displayed full size in playback mode, but you can display six thumbnail images on the screen.
To use thumbnail mode:

1. Turn the camera on and ensure that it is in playback mode. The most recent picture is displayed on the screen.
2. Press the OK/Set button to display six thumbnail images on the screen.
3. Use Previous/Next to highlight an image.
4. Press the OK/Set button to display the highlighted image on screen full size.

Viewing a slide show

The camera includes a slide show function. A slide show displays each image in turn with a predefined delay between each picture.
To view a slide show:

1. Turn the camera on and ensure that it is in playback mode. The most recent picture is displayed on the screen.
2. Press the menu button to display the playback menu.
3. Use Previous/Next to highlight the slide show option in the menu.
4. Press the OK/Set button to start the slide show.

The images stored in memory are displayed consecutively. You can stop the slide show at any time by pressing any button.

USB mode

Use USB mode to connect to a PC. Before connecting to a PC, see "Installing the software and drivers".
The camera can be set to act as a USB mass storage device or a webcam when connected to a PC using the USB cable.

Storage device mode

When set as a USB mass storage device, the camera displays as a removable drive in Windows Explorer. You can drag and drop files to and from the new removable drives just like any other drive.

Webcam mode

When set to webcam, the camera can be used with Windows XP to capture photographs, or used with third-party software such as instant messenger clients to send live video over the Internet.
See also "Connecting to a computer" and "USB connection".

Using the setup menus

Read this section to learn how to configure your camera and use advanced features.

Picture menu

The picture menu displays when the camera is in Photo mode and the menu button is pressed. The picture menu is available in Photo mode only.

Picture quality

Use the picture quality option to set the size of the captured image. Bigger images contain more detail and therefore use more memory space.

To set the image size:

1. Turn the camera on and ensure that it is in Photo mode.
2. Press the menu button.
3. Use Previous/Next to highlight the Picture Quality option.
4. Use OK/Set button to select a setting: 1, 3, 5, or 12 M (Mega pixels).
5. Press the menu button again to exit the menu.

NOTE

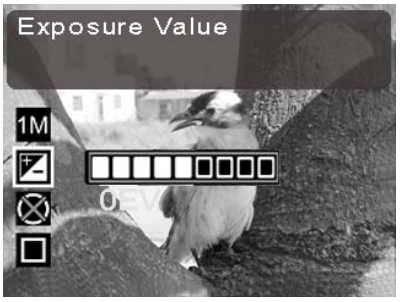
This option is only available in Photo mode.

Exposure adjustment (EV)

Use the exposure EV setting to change the exposure for your pictures. Usually this value is set to zero, but you might want to increase the exposure to light up a subject with strong back lighting, or decrease the exposure if taking a picture of something very bright.

To set EV:

1. Turn the camera on and ensure that it is in Photo mode.
2. Press the menu button.
3. Use Previous/Next to highlight the Exposure Value option.
4. Press OK/Set button to slide through the scale. At the highest setting, press OK/Set button again to start from the lowest value.
5. Press the menu button again to exit the menu.



Self timer

The self-timer option allows a photo to be taken a specified interval after the shutter is pressed. It is useful when taking self-portraits or group photos. You can set the interval to OFF, or 10, 15, 20 seconds.

To set the self timer interval:

1. Turn the camera on and ensure that it is in Photo mode.
2. Press the menu button.
3. Use Previous/Next to highlight the Self timer option.
4. Use OK/Set button to select a setting: OFF, 10, 15, and 20.
5. Press the menu button again to exit the menu.
6. Press the shutter to take the photograph. The LED on the front of the camera flashes before the photograph is taken, and the interval is reset to OFF.

NOTE

This option is only available in Photo mode.

Burst snapshot

The burst snapshot option allows you to take a series of three photographs very quickly with one press of the shutter. It is useful to take series shots of moving objects and for artistic effect.

To set burst snapshot:

1. Turn the camera on and ensure that it is in Photo mode.
2. Press the menu button.
3. Use Previous/Next to highlight the Burst Snapshot option.
4. Use OK/Set button to select a setting: Single or Burst.
5. Press the menu button again to exit the menu.

NOTE

This option is only available in Photo mode.

White balance

Use the white balance option to correct color for different lighting conditions. When white balance is set to automatic, the camera automatically compensates for different lighting conditions. You can also set white balance to sunlight, cloudy, tungsten, or one of two kinds of fluorescent light.

To set the white balance:

1. Turn the camera on and ensure that it is in Photo mode.
2. Press the menu button.
3. Use Previous/Next to highlight the White Balance option.
4. Use OK/Set button to select a setting: AWB (automatic), Sunny, Cloudy, Tungsten, Fluorescent 1 or Fluorescent 2.
5. Press the menu button again to exit the menu.

Time stamp

Use the time stamp function to print a date on captured images. Turn the camera on and ensure that it is in Photo mode.

To set the time stamp function:

1. Turn the camera on and ensure that it is in Photo mode.
2. Press the menu button.
3. Use Previous/Next to highlight the Time Stamp option.
4. Use OK/Set button to select a setting: OFF, Date Only, or Date & Time.
5. Press the menu button again to exit the menu.

NOTE

This option is only available in Photo mode.

Video menu

The Video menu displays when the camera is in Video mode and the menu button is pressed. The Video menu is available in Video mode only.

Video Resolution

Use the resolution option to determine the resolution of the captured video. The larger screen size requires more memory storage space.

To set video resolution:

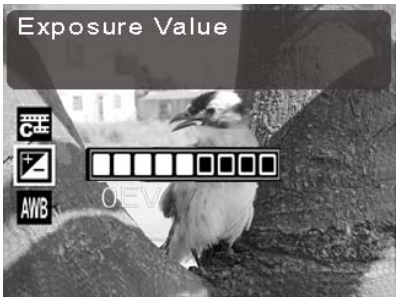
1. Turn the camera on and ensure that it is in Video mode.
2. Press the menu button.
3. Use Previous/Next to highlight the Video Resolution option.
4. Use OK/Set button to select a setting: 320x240 or 640x480.
5. Press the menu button again to exit the menu.

Exposure adjustment (EV)

Use the exposure EV setting to change the exposure for your pictures. Usually this value is set to zero, but you might want to increase the exposure to light up a subject with strong back lighting, or decrease the exposure if taking a picture of something very bright.

To set EV:

1. Turn the camera on and ensure that it is in Video mode.
2. Press the menu button.
3. Use Previous/Next to highlight the Exposure Value option.
4. Press OK/Set button to slide through the scale. At the highest setting, press OK/Set button again to start from the lowest value.
5. Press the menu button again to exit the menu.



White balance

Use the white balance option to correct color for different lighting conditions. When white balance is set to automatic, the camera automatically compensates for different lighting conditions. You can also set white balance to sunlight, cloudy, tungsten, or one of two kinds of fluorescent light.

To set the white balance:

1. Turn the camera on and ensure that it is in Video mode.
2. Press the menu button.
3. Use Previous/Next to highlight the White Balance option.
4. Use OK/Set button to select a setting: AWB (automatic), Sunny, Cloudy, Tungsten, Fluorescent 1 or Fluorescent 2.
5. Press the menu button again to exit the menu.

Playback menu

Use the playback menu to manage the files stored in the camera memory or on an SD card.

Delete

Use the delete function to delete the file.
To delete files:

1. Turn the camera on and ensure that it is in Playback mode.
2. Press the menu button.
3. Use Previous/Next to highlight the Delete option.
4. Press OK/Set button to delete. A dialog prompts to confirm.
5. Press OK/Set button for yes or Menu for no.

NOTE

Once deleted, files cannot be recovered so make sure you have a backup before you delete.
Protected files cannot be deleted. See “Protect” for more details about file protection.

Delete All

Use the delete all function to delete all files on the current memory card or internal memory.
To delete all files:

1. Turn the camera on and ensure that it is in Playback mode.
2. Press the menu button.
3. Use Previous/Next to highlight the Delete All option.
4. Press OK/Set button to delete.
5. A dialog asks you to confirm. Press OK/Set button for yes or Menu for no.

NOTE

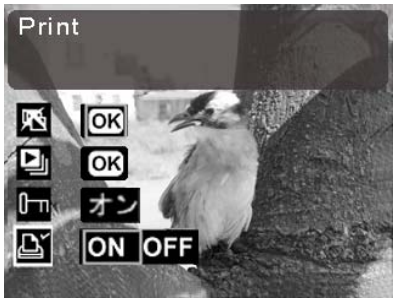
Once deleted, files cannot be recovered so make sure you have a backup before you delete.
Protected cannot be deleted. See “Protect” for more details about file protection.

Protect

Use the protect option to protect files from being accidentally deleted.

To protect a file or files:

1. Turn the camera on and ensure that it is in Playback mode.
2. Press the menu button.
3. Use Previous/Next to highlight the Protect option.
4. Press OK/Set button to select a setting: ON or OFF.
5. Press the menu button again to exit the menu.



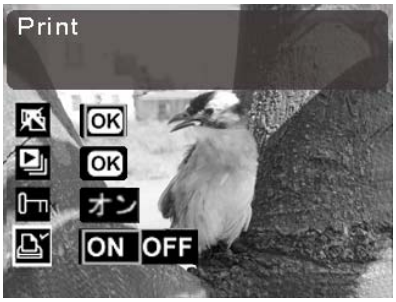
NOTE

Protected files cannot be deleted. To delete a protected file, you must first unprotect it.

Print

Use the DPOF (Digital Print Order Format) function to tag pictures stored in your memory card with print information. You can tag all pictures to be printed or just the current picture.

DPOF requires a memory card. When all images to be printed are tagged, remove the memory card and take it to a photographic shop for printing, or use it with a DPOF compatible printer.



To print images:

1. Turn the camera on and ensure that it is in Playback mode.
2. Press the menu button.
3. Use Previous/Next to highlight the Print option.
4. Use OK/Set button to select a setting: ON or OFF. The DPOF information is stored.
5. Press the menu button again to exit the menu.

Setup menu

The setup menu is accessible from any mode and is used to configure miscellaneous camera functions.

Date and time

See “Setting the date and time”.

Language

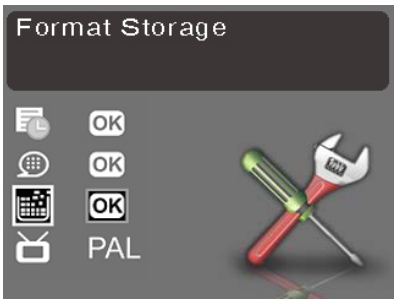
See “Setting the language”.

Format storage

Formatting the storage erases all files on the current memory card or internal memory.

To format the current memory card or internal memory:

1. Turn the camera on and ensure that it is in Settings mode.
2. Use Previous/Next to highlight the Format Storage option.
3. Press OK/Set button to format the current memory card.
4. Press OK/Set button to confirm or Menu to cancel.



NOTE

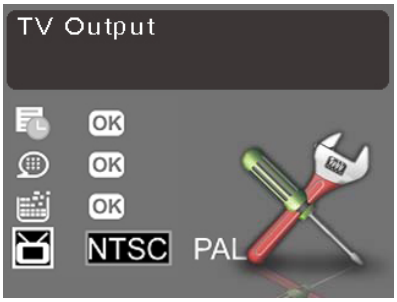
Protected files are deleted if you format the memory card or internal memory. Make sure you have a back up copy of any files you want to keep.

TV output

Use the TV option to set the TV output system for the area.

To change the TV output settings:

1. Turn the camera on and ensure that it is in Settings mode.
2. Use Previous/Next to highlight the TV Output option.
3. Press OK/Set button to select a setting: NTSC or PAL.

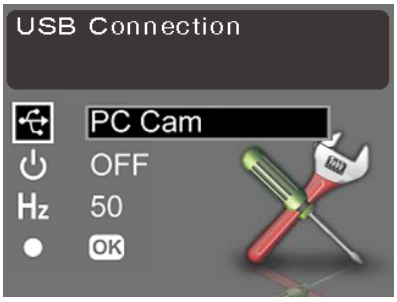


USB connection

The camera can be set to act as a USB mass storage device or a webcam when connected to a PC using the USB cable.

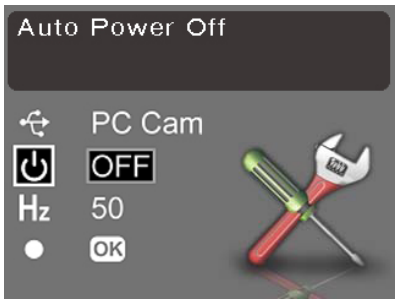
To change the USB settings:

1. Turn the camera on and ensure that it is in Settings mode.
2. Use Previous/Next to highlight the Mass Storage / PC Cam option.
3. Press OK/Set button to confirm your selection.



Auto power off

Use the auto power off function to automatically switch the camera off after a period of inactivity to save power.

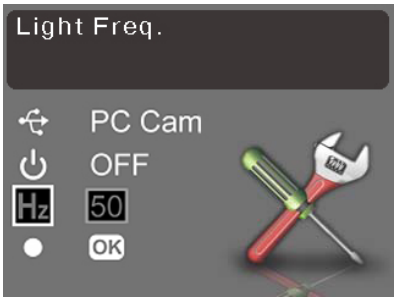


To set the power saving function:

1. Turn the camera on and ensure that it is in Settings mode.
2. Use Previous/Next to highlight the Power Saving option.
3. Press OK/Set button to select a setting: Off, 1 MIN, 3 MIN, or 5 MIN.

Light frequency

The light frequency setting allows you to prevent flickering light caused by the local power supply's frequency. For more information contact the energy supplier in the area.



To set the light frequency:

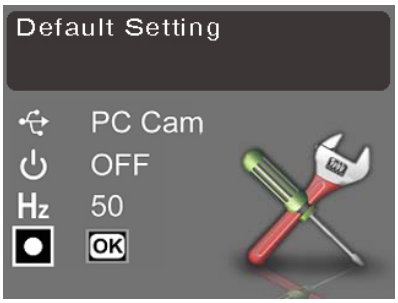
1. Turn the camera on and ensure that it is in Settings mode.
2. Use Previous/Next to highlight the Light Frequency option.
3. Press OK/Set button to select an option: 50 or 60.

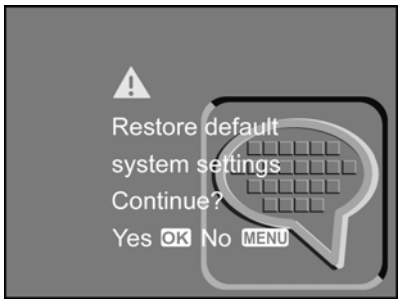
Default setting

Use the default setting option to reset all settings to the factory default.

To reset factory default settings:

1. Turn the camera on and ensure that it is in Settings mode.
2. Use Previous/Next to highlight the Default Setting option.
3. Press OK/Set button to restore factory defaults. You are prompted to confirm the reset.





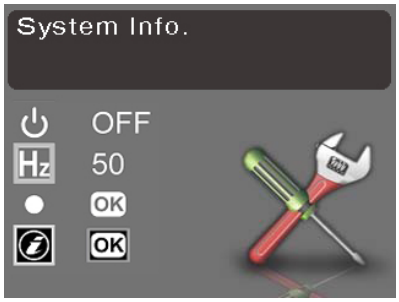
4. Press OK/Set button to confirm or Menu to cancel.

System info

This displays the firmware version.

To display the system information:

1. Turn the camera on and ensure that it is in Settings mode.
2. Use Previous/Next to highlight the System info option.
3. Press OK/Set button to display the information.



Installing software and drivers

Read this section to learn how to install drivers and software for the camera.

Drivers

You can use the “Mass Storage” and “PC Camera” functions of the camera on the PC.

Mass Storage

The digital camera offers Mass Storage function as a card reader device. You can treat this digital camera as an SD device

You will only need to install a driver for the camera if your operating system is Windows 98SE. Windows XP/ME/2000 are plug and play operating systems and do not require a driver to be manually loaded.

When the driver has been installed and the camera is connected, the camera memory and any installed SD card displays as Mass Storage in Windows Explorer. Files can be dragged and dropped in the same way as an ordinary disk.

Web camera

You will need to install a driver for the camera to use as a PC or Web Camera in all Windows operating systems (Windows XP/ME/2000/98SE).

NOTE

Driver installation is required for all operating systems.

The digital camera can be used as a Web camera.
Follow the instructions below:
Insert the supplied CD-ROM in the CD-ROM drive.

1. If the CD-ROM doesn’t automatically boot, use Windows Explorer to execute the InstallMgr.exe file in the root directory.
2. Click the install button to install the driver.
3. Follow the on-screen instructions.
4. Click Finish to restart the computer and finish the camera driver installation.

Presto! Video Works 6

Presto! Video Works 6 is an advanced software application for editing video.

To install Presto! Video Works 6:

1. Insert the supplied CD-ROM in the CD-ROM drive.
2. If the CD-ROM doesn't automatically boot, use Windows Explorer to execute the InstallMgr.exe file in the root directory.
3. Click the install button to begin the installation process and follow the on-screen instructions.

More information about Presto! Video Works 6 can be found in the help files when the application is started.

Presto! Mr. Photo 3

Presto! Mr. Photo 3 is an advanced photo editing software application.

To install Presto! Mr. Photo 3:

1. Insert the supplied CD-ROM in the CD-ROM drive.
2. If the CD-ROM doesn't automatically boot, use Windows Explorer to execute the InstallMgr.exe file in the root directory.
3. Click the install button to begin the installation process and follow the on-screen instructions.

More information about Presto! Mr. Photo 3 can be found in the help files when the application is started.

Appendix

Specifications

Item	Description
Imaging sensor	1/2.5” CMOS 5.17 Mega pixel sensor
Active pixels	5 Mega pixels
Storage media	Built-in 32 MB Flash memory SD card (up to 1 GB)
Sensor sensitivity	Auto
Lens	Fixed focus lens, F/3.2, f=7.36mm
Focus range	Normal: 1.5m ~ infinity Macro: 15 ~ 16 cm
Still image	Formats: JPEG (DCF, EXIF) DPOF, Resolution: 1280 x 960, 2048 x 1536, 2560 x 1920, 4032 x 3024 (firmware interpolation)
Movie clips	AVI (Motion JPEG), sound available Movie: 320 x 240 max 15fps or 640 x 480 max 8fps PC cam: 320 x 240 max 30fps or 640 x 480 max 15fps
Zoom	4x digital zoom
LCD TFT screen	2” TFT LCD, 480 x 240 pixels
Flash	1m~1.5m range Off/ Auto Force/ Force
White balance	Auto/Sunny/Cloudy/Tungsten/Fluorescent 1/Fluorescent 2
EV compensation	-2.0 EV ~ +2.0 EV (in 0.5 EV steps)
Self timer	Off, 10 seconds, 15 seconds, 20 seconds
PC interface	USB 1.1 for PC camera and mass storage

Item	Description
Shutter	Electronic shutter, 1/4 ~ 1/2000 seconds
Auto power off	Off, 1min, 3mins, or 5mins (user definable)
Power supply	2X AAA alkaline batteries
Dimension	87 x 57 x 25 mm
Weight	<75± 3 g without batteries

Troubleshooting

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.
	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.	

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 Photo mode.	Press the **Menu** button for two seconds to select photo mode.
	The internal memory or memory card does not have any free capacity.	Insert a new memory card, or delete unwanted files.
	End of memory card life.	Insert a new memory card.
	The flash is recharging.	Wait until the status LED is off.
	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.	Press Set button to switch to Automatic flash and Force Flash.
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.	Press the **Menu** button for two seconds to select 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.	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 Problems

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.	Replace with a new set of batteries.

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.

Symptom	Cause	Measure
	The USB driver is not installed (for Windows 98/98SE).	Install USB driver.