

NOTICE

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
This device may not cause harmful interference, and
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.
- Consult the dealer or an experienced radio/TV technician for help.

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

Trademark Information

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- Pentium® is a registered trademark of Intel Corporation.
- Macintosh is a trademark of Apple Computer, Inc.
- SD™, PhotoSuite and PhotoVista are trademarks.
- Other names and products may be trademarks or registered trademarks of their respective owners.

Product Information

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- Product design and specifications are subject to change without notice. This includes primary product specifications, software, software drivers, and user's manual. This User's Manual is a general reference guide for the product.
- The manufacturer assumes no liability for any errors or discrepancies in this user's manual.

FOR YOUR SAFETY

Warnings

- Do not use this camera if it is emitting smoke (or an unusual odor), becoming unusually hot to be touched, producing a peculiar noise, or exhibiting any other abnormal conditions. Operating the camera in any of these circumstances may cause a fire or an electrical shock. Stop using the camera immediately, turn the camera off, remove the batteries, and disconnect the power source if you are using an AC power adapter. Contact your dealer or authorized service facility for repairs. Never attempt to repair this camera by yourself, as this may be dangerous.

- Do not expose the camera to moisture and make sure no water gets into the camera. Take particular care when using the camera under extreme weather conditions, such as rain or snow, or when operating the camera at the beach or near water. Avoid using this camera in places subject to extreme moisture. Do not use the camera if water has entered the camera. Turn the camera off, remove the batteries, and disconnect the power source if you are using an AC power adapter. Unplug the adapter from the AC power outlet after you have disconnected the camera. Contact your dealer or authorized service facility. Do not continue to use the camera as this may cause a fire or an electrical shock.

- Do not touch the power plug during a thunderstorm if you are using the AC power adapter. This may cause an electrical shock.

- Do not use the camera if any foreign objects have entered the camera. Turn the camera off, remove the batteries, and disconnect the power source if you are using an AC power adapter. Unplug the adapter from the AC power outlet after you have disconnected the camera. Contact your dealer or authorized service facility. Do not continue to use the camera as this may cause a fire or an electrical shock.

- Do not place the camera in an unstable location such as on a wobbly table or sloping surface where the camera may fall or tip over and cause injury. If the camera has been dropped or damaged, turn the camera off and remove the batteries or AC power adapter. Contact your dealer or authorized service facility. Do not continue to use the camera as this may cause a fire or an electrical shock.

FOR YOUR SAFETY

Warnings

- Do not attempt to modify this camera. Do not remove the camera casing. This may cause a fire or an electrical shock. Internal inspection and repairs should only be carried out by an authorized service facility.
- Never operate this camera in any way while driving a vehicle. This may cause a traffic accident.
- Do not cover or wrap the camera or the AC power adapter with a cloth or quilt. This may cause heat to build up, distort the case and cause a fire. Always use the camera and its accessories in well-ventilated locations.
- Do not move the camera while it is switched on. (If you are using the AC power adapter, unplug the adapter from the AC power outlet after you have switched off the camera.) Ensure that any connector cords or cables to other devices are disconnected before moving the camera. Failure to do so may damage the cords or cables and cause a fire or an electrical shock.

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INTRODUCTION

Overview

Your new stylish digital camera delivers high quality, 2304 x 1728 resolution images using a 4.0 Megapixels CCD sensor. Using either the optical viewfinder or the 1.5" TFT color image LCD monitor, you can compose images and then examine them in detail. An auto-flash sensor automatically detects the shooting (lighting) conditions and determines whether the flash should be used. This feature helps ensure that your images turn out right.

32MB SD memory card let you capture and store images you wish. Meanwhile, you may also expand the memory capacity (up to 512MB) to take or record more images or video clips.

In addition to still images, you can record short videos by using the movie function.

Images you have taken can be downloaded to your computer using the USB cable (USB driver is required for Win 98 and Mac OS 8.6) You can enhance and retouch your images on your computer by using the provided editing software, or image editing software you may already own. You may share your images with your friends via e-mail, in a report, or on a website.

DPOF functionality allows you to print your images on a DPOF compatible printer by simply inserting the memory card.

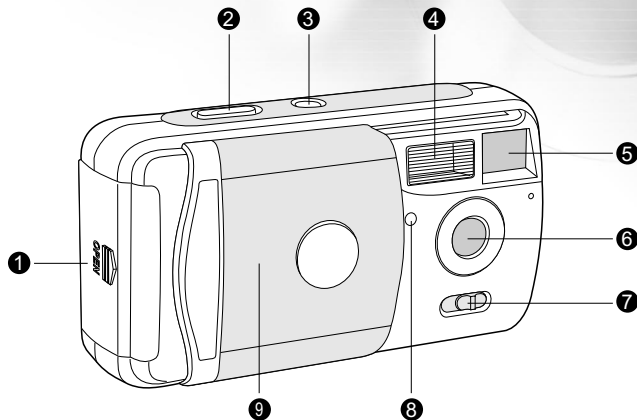
Package Contents

Carefully unpack your camera and ensure that you have the following items. In the event that any item is missing or if you find any mismatch or damage, promptly contact to your dealer.

- 1 X Traveler DC-4000 Digital Camera
- 1 X Traveler Pouch
- 1 X Strap
- 1 X Traveler 32MB SD Memory Card
- 2 X Traveler NI-MH Rechargeable Batteries
- 1 X Traveler Charger for Batteries
- 1 X Traveler AC-Mains Adapter
- 1 X Video Cable
- 1 X USB Cable
- 1 X Traveler Instruction Manual
- 1 X Traveler Guarantee Card

COMPONENTS GUIDE

Front View



1. Battery/SD card cover

2. Shutter button

3. Power button

4. Flash

5. Viewfinder window

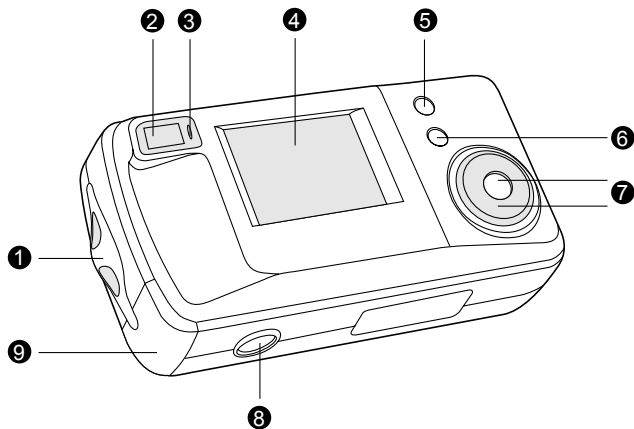
6. Lens

7. Focus switch

8. Self-timer LED

9. Lens cover

Rear view



1. Strap eyelet

2. Viewfinder

3. LED indicator

4. LCD monitor

5. MODE button

6. MENU button

7. Control panel

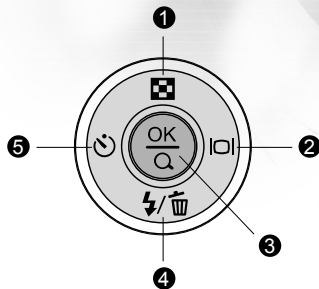
8. Tripod socket

9. Terminal cover

VIDEO Out terminal

DC-IN connector

Control Panel



1. ▲ Arrow button (Up)

Thumbnail button

2. ► Arrow button (Right)

Display button

3.  OK button

Digital zoom button

4. ▼ Arrow button (Down)

 Flash button

 Delete button

5. ◀ Arrow button (Left)

 Self-timer

LED Indicators

Indicator	Status	Description/Activity	Sound
LED indicator	Solid red	The camera is powering up	No
LED indicator	Solid green	The camera is powered and ready	Yes *(1)
LED indicator	Blinking red	Camera error	Yes *(3)
LED indicator	Blinking red	Charging the flash	No
LED indicator	Blinking green	Image is being recorded to the memory card	No
LED indicator	Solid red	USB communication/transfer in progress	No
LED indicator	Solid green	The camera is ready to record images (or movies)	Yes *(1)
Self-timer indicator	Blinking red	The self-timer function is activated	No
----	----	Error message	Yes *(3)
----	----	Valid button event	Yes *(1)

- (1) The camera sounds one beep.
- (3) The camera sounds three beeps.

Scene Modes

Select the scene mode suitable for the occasion or situation.

Mode	Description
1. [A] Auto mode	Select this option to leave all the adjustments to the camera and take images casually.
2. [🏃] Sports mode	Select this option to capture fast-moving subjects.
3. [🌙] Night Scene mode	Select this option to take images of people against dark or night-time background.
4. [👤] Portrait mode	Select this option to make people stand out with the background out-of-focus.
5. [🏔️] Landscape mode	Select this option to capture images of distant scenery or landscapes.
6. [📷] Back Light mode	Select this option to brighten subjects that are backlit and would come out dark if no flash was used.
7. [🎥] Movie mode	Select this option to record video (movie) clips.

LCD Monitor Information

These indicators are displayed when recording still images:



1. Scene mode

[A] Auto mode

[🏹] Sports mode

[🌙] Night Scene mode

[👤] Portrait mode

[🏔] Landscape mode

[📷] Back Light mode

[🎥] Movie mode

2. Image size

[4M] 2304X1728

[2M] 1600X1200

[1.2M] 1280X960

[0.3M] 640X480

3. Image quality

[★★] Fine

[★★] Normal

[★] Economy

4. Saturation

[🌈] High

[🌈] Medium

[🌈] Low

5. Sharpness

[🏔] High

[🏔] Medium

[🏔] Low

6. ISO speed

(no indication for Auto)
Auto

[ISO 100] 100

[ISO 200] 200

7. Flash mode

[⚡] Fill flash (on)

[🚫] Flash off

[⚡] Automatic flash

[🚫] Red-eye reduction

8. Color

[🖼] Full Color

[🖼] Black & White






[🖼] Sepia

9. [SD] Card indicator

10. Remaining pictures

These indicators are displayed when recording still images:








11. [] Adapter indicator/
Battery level
[] Fully battery level
[] Fairly consumed
[] Nearly exhausted
[] Virtually no battery power

12. [] Self-timer mode

13. [] Macro mode icon

14. White balance
(no indication for auto white balance)
Auto

- [] Daylight
[] Cloudy
[] Sunset
[] Tungsten
[] Fluorescent

15. EV compensation

These indicators are displayed when playing images back:



1. Reverse key
2. [SD] Card indicator
3. Forward key
4. [Print] Print-order icon
5. [Protect] Protect indicator
6. Current image/total number of images
7. [Battery] Adapter indicator/
Battery level
 - [Full] Fully battery level
 - [Fairly] Fairly consumed
 - [Nearly] Nearly exhausted
 - [Empty] Virtually no battery power

These indicators are displayed when recording video clips:



1. Movie mode
2. Recording indicator
3. Video counter
4. [SD] Card indicator
5. [Macro] Macro mode icon
6. [Adapter indicator / Battery level]
 - [Fully battery level]
 - [Fairly consumed]
 - [Nearly exhausted]
 - [Virtually no battery power]

These indicators are displayed when playing video clips back:



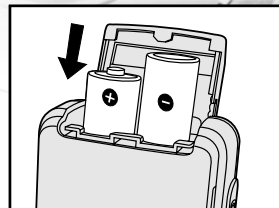
1. Recorded time
2. [SD] Card indicator
3. [🔌] Adapter indicator/
Battery level
[🔋] Fully battery level
[🔋] Fairly consumed
[🔋] Nearly exhausted
[🔋] Virtually no battery power

PREPARING YOUR CAMERA

Installing the Batteries

Your camera is supplied with 2 rechargeable Traveler NI-MH batteries. You can also use 2 AA size Alkaline batteries to power your camera. Battery power is convenient for capturing images or recording video clips.

1. Make sure your camera is off.
2. Slide the battery/SD card cover lock.
3. Insert the batteries according to the correct polarity marks (+ or -).
4. Close the battery/SD card cover lock firmly.



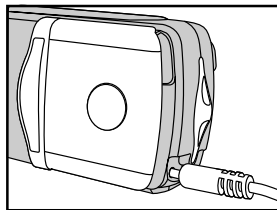
Note:

- Never use manganese batteries.
- Never use different types of batteries (together) or mix old and new batteries.
- Avoid using the batteries in extremely cold environments as low temperatures may shorten the battery life and reduce the camera performance.
- Low temperature will influence Alkaline battery performance, Ni-MH rechargeable battery is recommended.
- If you won't be using the batteries for an extended period of time, remove them from the camera to prevent the leakage or corrosion.
- New batteries or batteries that have not been used for an extended period of time (batteries that pass the expiry date are exceptions) might affect the number of pictures that can be taken. 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.

Using an AC Power Adapter

You camera is delivered with a AC Mains adapter. AC power adapter is recommended for long periods of continuous use or for transferring images to your computer.

1. Make sure your camera is off.
2. Open the port cover and connect one end of the AC power adapter to the jack labeled "DC IN".
3. Connect the other end to an electrical outlet.



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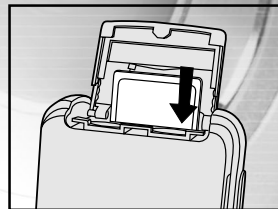
Note:

- Make sure to use only the AC power adapter specified for the camera. Damage caused by the use of an incorrect adapter is not covered under the warranty.
- To prevent unexpected auto power off resulting from no battery power left during the process of transferring your images to the computer, use the AC power adapter as a power supply.
- Batteries cannot be charged while the AC power adapter is being used to run the camera.

Loading an SD Memory Card

You camera is delivered with a 32MB SD memory card allowing you to store images and video clips in the camera. However, you can also expand the memory capacity by using a higher size SD memory card. Additional SD memory cards provide removeable, reusable storage for images and video clips.

1. Make sure your camera is off.
2. Slide the SD card/battery cover lock.
3. Insert the SD memory card.
 - If the card cannot be inserted, check the orientation.
4. Close the SD card/battery cover lock firmly.



Note:

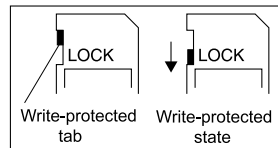
- To prevent valuable data from being accidentally erased from an SD memory card you can slide the write protect tab (on the side of the SD memory card) to "LOCK".
- To save, edit, or erase data on an SD memory card, you must unlock the card.

To remove an SD memory card

1. Make sure your camera is off.
2. Slide the SD card/battery cover lock.
3. Press lightly on the edge of the memory card and it will eject.

Note:

- Memory cards may become hot during use; observe due caution when removing memory cards.



Setting the Date and Time

The Date/Time screen will be presented if/when:

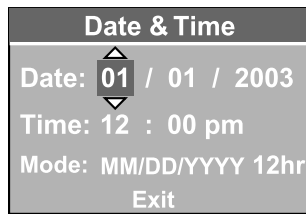
- The camera is turned on for the first time.
- The camera is turned on after removing the batteries/AC power adapter for a long period of time.

When the date and time setting screen appears, follow the steps to set the correct date and time. You may skip this procedure by pressing EXIT.

1. Enter the values of the year, month, day and the time by using the ▲ / ▼ / ◀ / ▶ button.


- To increase the value, press the ▲ button.
- To decrease the value, press the ▼ button.

2. Press the  button after all fields are set.



Choosing the Language

When you turn on the camera for the first time, the language setting screen appears, prompting you to choose a language for displayed information and the LCD monitor. Follow the steps below to set the OSD (On-Screen Display) language.

1. Select a language that you prefer by using the ▲ / ▼ button.
2. Press the  button after all fields are set.

Note:

- The language setting will be retained even if the camera is turned off.

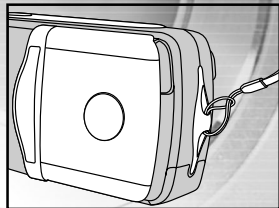


Attaching the Camera Strap

To prevent accidental slippage during the use, always use the camera strap.

Attach the camera strap as follows:

1. Thread the small loop of the strap through the strap eyelet on the camera.
2. Pull the large loop through the small loop until the strap is firmly secured.



BASIC FUNCTIONS

Turning the Power On

1. Press the POWER button.

- The LED indicator is lit red and the camera is initiated.
- With lens cover opened → Photography mode
- With lens cover closed → Playback mode (pressing MODE button)

Note:

- If lens cover is not opened while turning on the camera, error message will appear on the LCD monitor.

Turning the Power Off

With the power is on, press the POWER button again.

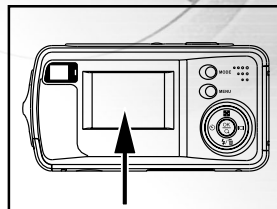


Using the LCD Monitor

Using the LCD monitor can help you to confirm an image while taking pictures, to replay recorded images/video clips or to adjust menu settings.

The mode icons, text and numbers that are displayed on the LCD monitor may vary according to the current settings.

1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Set the scene mode in the Capture menu based on the desired scenery.
(Auto/Sports/Night Scene/Portrait/Landscape/Back Light).
3. Compose your image on the LCD monitor.
4. Press the shutter button.



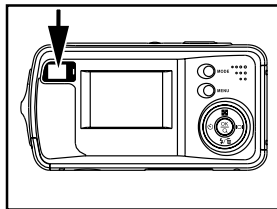
Note:

- In the Capture mode, by pressing [] display button will set OSD Off/LCD Off/LCD On.
- The LCD monitor darkens in strong sunlight or bright light. This is not a malfunction.
- Using the LCD monitor for an extended period of time will decrease the number of images you can take. To conserve battery power and increase the number of pictures you can take, we recommend you to turn the LCD monitor off and use the viewfinder instead.
- Always use the LCD monitor for **MACRO** shots to avoid parallax effects.
- In the [] Movie mode or [] Macro mode the LCD monitor cannot be turned off.
- The LCD monitor must be on when **Digital Zoom** is to be used.

Using the Optical Viewfinder to Shoot

Your camera is also equipped with an optical viewfinder to compose images. Using the viewfinder helps you to compose images and adjust the subject in the crisp focus. Taking images by using the optical viewfinder will conserve more battery power. If your batteries' level is in low condition, it is recommended to compose images by using the viewfinder. The LCD monitor can help you accurately compose the pictures and examine all the details, but using it may also consume more battery power.

1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Set the scene mode in the Capture menu based on the desired scenery.
(Auto/Sports/Night Scene/Portrait/Landscape/Back Light).
3. Compose your image in the viewfinder.
4. Press the shutter button.



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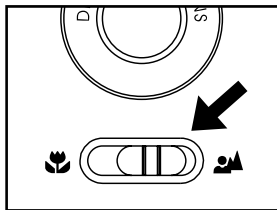
Using the Normal Mode

Normal mode is used to take images where the distance to the subject 1.1m to infinity. Select this mode for general shooting, including portraits and scenery.


1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Move the focus switch located on the front side of the camera to the [A] position.
3. Compose your image.
4. Press the shutter button.



Note:

■ LCD monitor will display [A] as indicating Normal mode.




Adjusting the Zoom

Using digital zoom, images appear closer. Whereas digital zoom is a compelling feature, the more an image is enlarged (zoomed), the more pixilated (grainier) the image will appear. The digital zoom function is only available when you set the LCD monitor and the digital zoom to ON by pressing the  button.

1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Set the scene mode in the Capture menu based on the desired scenery. (Auto/Sports/Night Scene/Portrait/Landscape/Back Light).
3. Press the  button to activate the zoom function.
 - Digital zoom's range is from 1x to 2x.
 - To exit the digital zoom, press the  button again and return to the capture status.
4. Press the shutter button to capture a "zoomed" image.




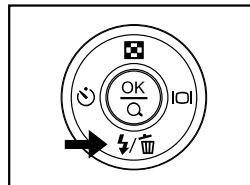
Note:

- You can only set the digital zoom at the resolution of 2304 x 1728 pixels; digital zoom is not available at the resolution of 1600 x 1200 pixels, 1280 x 960 pixels or 640 x 480 pixels. When you play back a "digitally zoomed" image, the image size is available at the four sizes of resolution 2304 x 1728 pixels, 1600 x 1200 pixels, 1280 x 960 pixels or 640 x 480 pixels).
- Digital zoom cannot be used in [] Movie mode.

Using the Flash

The flash is designed to function automatically when lighting conditions warrant the use of flash. You can take an image using a suitable flash mode to your circumstances. If you change the flash mode, the camera will retain that setting even if the camera is turned off.





1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Set the scene mode in the Capture menu based on the desired scenery.
(Auto/Sports/Night Scene/Portrait/Landscape/Back Light).
3. Press the [] button located on the rear side of the camera repeatedly until your desired flash mode appears on the LCD monitor.
4. Compose your image and press the shutter button.









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The camera has four flash modes: Fill flash (on), Flash off, Automatic flash and Red-eye reduction.

The table below will help to choose the appropriate flash mode:

Flash Mode	Description
[] Fill flash (on)	The flash will always fire regardless of the surrounding brightness. Select this mode for recording images with high contrast (backlighting) and deep shadows.
[] 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.
[] Automatic flash	The flash fires automatically according to the ambient lighting conditions. Select this mode for general photography.
[] Red-eye reduction	The flash emits a precursor-flash before the main flash fires. This causes the pupil in the human eye to constrict, reducing the red-eye phenomenon. Select this mode when taking images of people and animals in low-light conditions.

Note:

- In [] Macro mode and [] Landscape mode, flash photography is not possible.
- In [] Night Scene mode, flash photography will automatically detect the ambient lighting. If the surrounding brightness is low, the flash will fire to [] Red-eye reduction.
- In [] Sports mode, Flash mode is automatically set to [] Flash off.

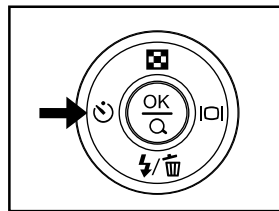
Using the Self-Timer

By using the [⏻] self-timer you can join into the screen when taking group shots. According to your preferences you can take pictures with the self-timer in any scene mode (Auto/Sports/Night Scene/Portrait/Landscape/Back Light).

Self-timer duration can be set as 10 seconds or 5 seconds. Self-timer mode appears cyclically as [10 s]→[5 s]→[Display Off]. After the self-timer is set, the shutter automatically releases after 10 seconds or 5 seconds. The self-timer lamp starts blinking relatively slow for the first 7 seconds or the first 2 seconds and then blinking rapidly for the last 3 seconds.

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1. Secure the camera to a tripod or place it on a stable surface.
2. Open the lens cover and press the **POWER** button to turn on your camera.
3. Set the scene mode in the Capture menu based on the desired scenery.
(Auto/Sports/Night Scene/Portrait/Landscape/Back Light).
4. Compose your image.
5. Press the [⏻] self-timer button.
 - The count down is displayed on the LCD monitor.
6. Press the shutter button.
 - To cancel the self-timer photography at any time, press the ▼ button to disrupt the sequence.






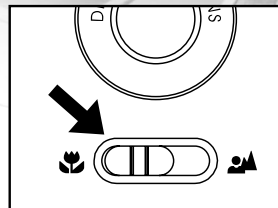
Note:

- In Capture mode, press the ◀ button will set self-timer ON.
- After one shot is taken, the self-timer mode is turned to OFF.






Using the Macro Mode

Use [] Macro mode to capture a close-up of the subject, such as flowers or insects. The effective range is between 0.6m to 1.1m.

1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Move the focus switch located on the front side of the camera to the [] position.
 - LCD monitor will display [] as Macro mode.
3. Compose your image.
4. Press the shutter button.
 - To disable macro photography, slide the focus switch back to the [] Normal mode.



Note:

- When shooting a close-up in the [] Macro mode, use the image LCD monitor to compose your image, avoiding the off-center parallax phenomenon.
- In [] Macro mode, EV compensation, Scene mode and ISO speed cannot be set.
- In [] Macro mode, Flash mode is automatically set to [] Flash off.
- After a macro shot is taken **DO NOT FORGET** to reset the lens to the [] Normal position.

Setting the Image Resolution and Quality

Resolution and quality settings determine the pixel size (dimension), image file size, and compression ratio for your images. These settings affect the number of images that can be stored in 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 file sizes. Therefore, fewer images will take up more 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.

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



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

1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Press the **MENU** button to enter the Capture menu and select **Image size** or **Image quality** by using the **▲ / ▼** button.
3. Set **Image size** or **Image quality** by pressing the **◀ / ▶** button in the main menu or press the **DISP/OK** button to enter the sub-menu, then press the **DISP/OK** button to confirm the setting.
4. To exit the Capture menu, press the **MENU** button again.

Capture Menu	
Image size	2304x1728
Image quality	Economy
EV	-2.0
White balance	
◀ / ▶ : Change	OK: Set

Number of Recordable Images

The frame counter indicates the approximate number of images that can be stored on the SD memory card at the camera's image quality and size settings. The number of recordable images may vary depending on the recorded subject and the capacity of the memory card, or if there are files other than images, or when the recording is made while switching the picture quality/resolution.

Resolution	Quality	Compression Ratio	32MB SD Memory Card	64MB SD Memory Card	128MB SD Memory Card	256MB SD Memory Card
2304 x 1728 	★★	8:1	20	41	25	167
	★	12:1	30	63	128	253
	★	16:1	40	83	170	335
1600 x 1200 	★★	8:1	42	87	177	350
	★	12:1	62	128	260	514
	★	16:1	85	175	355	701
1280 x 960 	★★	8:1	66	137	278	548
	★	12:1	100	205	417	822
	★	16:1	125	257	521	1028
640 x 480 	★★	8:1	235	482	977	1927
	★	12:1	376	772	1563	3048
	★	16:1	470	965	1955	3855

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

SHOOTING-LETTING YOU SELECT SETTINGS

Auto Mode

Using [A] Auto mode the majority of the settings are adjusted by the camera. Simply point the subject and then shoot.


1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Press the **MENU** button to enter the Capture menu and select Scene by using the **▲ / ▼** button.
3. To select [Auto] mode, the setting can be set by pressing the **◀ / ▶** button in the main menu or press the **⊙/⊙** button to enter the sub-menu, then press the **⊙/⊙** button again to confirm the setting.
4. To exit the Capture menu, press the **MENU** button again.
 - LCD monitor will display [A] as Auto mode icon.











Note:

- Camera original status is set as [A] Auto mode.
- The scene setting will be retained even if the camera is turned off.
- For other settings like Language, Power Off time or others choose **Setup** in the Capture menu.




Sports Mode

For dynamic action choose [] Sports mode. This feature also letting you to capture moving subjects continuously. (16 images can be taken continuously at 1.6 sec. to 2 sec.)


1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Press the **MENU** button to enter the Capture menu and select Scene by using the  /  button.
3. To select [] Sports mode, the setting can be set by pressing the  /  button in the main menu or press the  button to enter the sub-menu, then press the  button again to confirm the setting.
4. To exit the Capture menu, press the **MENU** button again.
 - LCD monitor will display [] as Sports mode icon.







Note:

- The scene setting will be retained even if the camera is turned off.
- In [] Sports mode, ISO speed cannot be set.
- In [] Sports mode, Flash mode is automatically set to [] Flash off.
- For other settings like Language, Power Off time or others choose **Setup** in the Capture menu.



Night Scene Mode

Capturing human subjects by using [] Night Scene mode helps to provide a natural balance between the main subject and the background. The people in an evening sky or night scene are illuminated with lights from the flash while the background is captured at a slow shutter speed to prevent blurring and let the both (people and the background) appear accordingly exposure.


1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Press the **MENU** button to enter the Capture menu and select **Scene** by using the **▲ / ▼** button.
3. To select [] Night Scene mode the setting can be set by pressing the **◀ / ▶** button in the main menu or press the  button to enter the sub-menu, then press the  button again to confirm the setting.
4. To exit the Capture menu, press the **MENU** button again.
 - LCD monitor will display [] as Night Scene mode icon.











Note:

- The scene setting will be retained even if the camera is turned off.
- In [] Night Scene mode, Flash mode will automatically detect the ambient lighting. If the surrounding brightness is low, the flash will fire to Red-eye reduction.
- In [] Night Scene mode, ISO speed cannot be set.
- For other settings like Language, Power Off time or others choose **Setup** in the Capture menu.




Portrait Mode

Taking pictures by selecting [] Portrait mode helps you to construct portraits in which the main subject stands out sharply and clearly while indistinct background's details.



1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Press the **MENU** button to enter the Capture menu and select Scene by using the  /  button.
3. To select [] Portrait mode the setting can be set by pressing the  /  button in the main menu or press the  button to enter the sub-menu, then press the  button to confirm the setting.
4. To exit the Capture menu, press the **MENU** button again.
 - LCD monitor will display [] as Portrait mode icon.











Note:

- The scene setting will be retained even if the camera is turned off.
- In [] Portrait mode, ISO speed cannot be set.
- In [] Portrait mode, in a dark or night-time background, Flash mode defaults to [] Red-eye reduction.
- For other settings like Language, Power Off time or others choose **Setup** in the Capture menu.




Landscape Mode

Taking images by choosing [] Landscape mode helps you to capture vivid and expansive landscape pictures with the enhancement of image's color and saturation. [] Landscape mode is used when the distance to the subject is between 1.1m to infinity.


1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Press the **MENU** button to enter the Capture menu and select **Scene** by using the  /  button.
3. To select [] Landscape mode, the setting can be set by pressing the  /  button in the main menu or press the  button to enter the sub-menu, then press the  button again to confirm the setting.
4. To exit the Capture menu, press the **MENU** button again.
 - LCD monitor will display [] as Landscape mode icon.











Note:

- The scene setting will be retained even if the camera is turned off.
- In [] Landscape mode, ISO speed cannot be set.
- In [] Landscape mode, Flash mode is automatically set to [] Flash off.
- For other settings like Language, Power Off time or others choose **Setup** in the Capture menu.




Back Light Mode

Use [] Back Light mode when light is coming from behind your subject, throwing their features into shadow, or when your subject is in the shade but the background is brightly lit.


1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Press the **MENU** button to enter the Capture menu and select **Scene** by using the  /  button.
3. To select [] Back Light, mode the setting can be set by pressing the  /  button in the main menu or press the  button to enter the sub-menu, then press the  button again to confirm the setting.
4. To exit the Capture menu, press the **MENU** button again.
 - LCD monitor will display [] as Back Light mode icon.




Note:

- The scene setting will be retained even if the camera is turned off.
- In [] Back Light mode, Flash mode defaults to [] Fill flash (on).
- In [] Back Light mode, ISO speed cannot be set.
- For other settings like Language, Power Off time or others choose **Setup** in the Capture menu.




Movie Mode

Use [] Movie mode allowing you to record video clips at a resolution of 320X240 pixels.


1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Press the **MODE** button to enter the [] Movie mode.
3. You can start recording a video clip by pressing the shutter button.
 - The movie icon, REC., elapsed time, the card indicator, the adapter/battery level and macro mode icon will display on the LCD monitor while recording a video clip.
 - To stop recording, press the shutter button again.



Note:


- In [] Movie mode, resolution/quality, macro, self-timer cannot be set or activated.
- In [] Movie mode, the flash mode is automatically set to [] Flash off.
- To set EV or White balance you may use the Video Clip menu.

REPLAYING

In [] Playback mode, you can view, magnify your images or play video clips back. This mode even provides thumbnail images display and slide show, allowing you to quickly search for the image that you want or play the images back one by one automatically.



Single Image Replay

Play back photographed still images one image at a time.

1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Press twice the **MODE** button to enter [] Playback mode.
 - The last recorded image appears on the LCD monitor.
3. View and select your recorded images by using the ◀/▶ button.
 - To view the previous image, press the ◀ button.
 - To view the next image, press the ▶ button.













Note:

- To exit [] Playback mode, press **MODE** button continuously (3 times).
- The [] print indicator only appears on the LCD monitor when the image is set to print out.
- If there is no image stored on the memory card, [No Image] message will appear on the LCD monitor.


Magnifying Images

While reviewing your images, you may enlarge a selected portion of an image. This magnification allows you to view fine details.

1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Press twice the **MODE** button to enter [] Playback mode.
 - The last image frame appears on the LCD monitor.
3. View and select your photographed image by using the  /  button.
4. Enlarge the image by pressing the  button.
 - Pressing the  button once magnifies the image to 2X. Pressing it again magnifies the image to 4X.
5. Use the  /  /  /  button to select the area to enlarge.
6. To return to the regular display from 4X-enlarged status, press the  button.










Note:

- Each press of the  button, the modes switch cyclically:
1X—>2X—>3X—>4X—>1X.

Viewing Nine Images At A Time


This function allows you to view nine thumbnail images on the LCD monitor simultaneously so that you can quickly scan for a particular image.

1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Press twice the **MODE** button to enter [] Playback mode.
3. Press the [] thumbnail button and nine thumbnail images appear on the LCD monitor. (Assuming there are nine or more recorded images in the memory.)
4. Use the  /  /  /  button to move the cursor to select the image to be displayed at regular size.
5. Press the  button to display the selected image on the full screen.







Viewing Video Clips

To view the recorded video clips, follow the steps below:

1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Press the **MODE** button to enter [] Movie mode.
3. Select the video clip that you want to view by using the ◀ / ▶ button.

Automated Playback (Slide Show)

Slide show function enables you to play your images back automatically in sequential order as a slide show. This is a very useful and entertaining feature reviewing recorded images and for presentations.

1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Press twice the **MODE** button to enter [] Playback mode. Then press the **MENU** button to enter the Playback menu.
3. Select "Slide show" by using ▲ / ▼ button then press the  button to enter the sub-menu.
4. Set the playback interval by using the ▲ or ▼ button and press the  button to confirm.
 - The slideshow starts displaying your images on the LCD monitor, one by one, with the interval that you set.
 - To stop the slideshow display, press the  button.

Note:











- To not set automated playback (slide show) you may choose Exit.
- You can adjust the slideshow display interval within the range of 1 sec. to 10 sec. The automated playback (slide show) defaults to 1 second interval.



Playback Menu	
Delete	▶
Slide show	▶
DPOF	▶
Protect	▶
◀/▶ Change	OK: Set

Protecting Images

This feature allows you to prevent recorded images from being accidentally erased.



1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Press twice the **MODE** button to enter [] Playback mode. Then press the **MENU** button to enter the Playback menu.
3. Select **PROTECT** by using the  /  button, and press the  button.
4. You can select to protect one image or all images at one time by using the  /  button , and press the  button.
 - **Protect One:** Protect one image at one time
 - **Protect All:** Protect all images at once
5. Select "UNLOCK" or "LOCK" by using the  /  button.
 - **Unlock:** Unlock the protected image.
 - **Lock:** Protect the selected image or all images.
6. Press the  button again to confirm the setting.

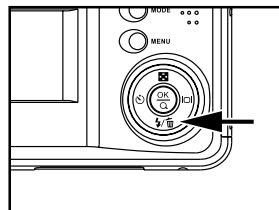


ERASING

Deleting Images/Video Clips Singly

You can delete a captured image or a recorded video clip at a time by pressing the [] delete button.








1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Press continuously the **MODE** button to enter [] Playback mode.
 - The last image frame appears on the LCD monitor.
3. View and select unwanted photographed image by using the ◀/▶ button, then press the [] delete button.
4. Continue the deletion if necessary.
 - If all images are deleted, [No Image] will pop up.
 - To exit the deletion, press again the **MODE** button again.

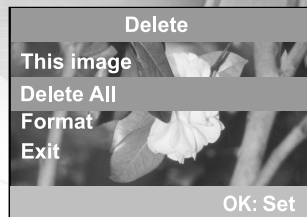


Note:

- Please be aware of that deleted images cannot be recovered. Exercise adequate caution before deleting a file.
- Protected images cannot be deleted with the erase function.

Deleting All Images/Video Clips

1. Open the lens cover and press the POWER button to turn on your camera.
2. Press twice the MODE button to enter [] Playback mode. Then press the MENU button to enter the Playback menu.
3. Select Delete by using the  /  button, and press the  button.
4. Select [Delete All] by using the  /  button, then press the  button to confirm the deletion.












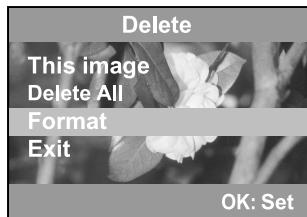
Note:

- Please be aware of that deleted images cannot be recovered. Exercise adequate caution before deleting a file.
- Protected images cannot be deleted with the erase function.

Formatting the SD Memory Card

Formatting the SD card will erase all the images on the SD memory card.

1. Open the lens cover and press the **POWER** button to turn on your camera.
2. Press twice the **MODE** button to enter [] Playback mode. Then press the **MENU** button to enter the Playback menu.
3. Select **Delete** by using the  /  button, and press the  button.
4. Select [Format] by using the  /  button.
5. If you want to format the SD memory card choose [Yes] by pressing  /  button, then press the  button to confirm.
 - To cancel the action, select [No] instead.
 - [No Image] pops up after the SD memory card is been formatted.





PRINT SETTINGS (DPOF SETTINGS)

DPOF (Digital Print Order Format) allows you to embed printing information on your SD memory card.

By using DPOF, you can select an image to be printed and then specify how many prints or which image you would like. Take your SD memory card to a DPOF enabled printer or through laboratory printing services that accept memory cards. The DPOF/card-compatible printer will read the embedded information on the memory card and print your images as specified.

To Set DPOF:

1. Open the lens cover and press the POWER button to turn on your camera.
2. Press twice the MODE button to enter [] Playback mode. Then press the MENU button to enter the Playback menu.
3. Select DPOF by using the ▲ / ▼ button, and press the  button.
4. Choose with your preference by using the ▲ / ▼ button, then the ◀ / ▶ button to set quantity or image.
 - DPOF icon is displayed on the DPOF-setting image.



The DPOF sub-menu options:

[Quantity]: Select the print quantity from 0~9.

[Set image]: Allows you to select your preferred image.

[Exit]: Exit the menu.

Note:

- [] Print-order icon will also display on the LCD monitor to indicate selected images for printing.

INSTALLING PHOTOSUITE

PhotoSuite is a very user-friendly image-editing program. With PhotoSuite, you can breezily retouch, compose and organize your images. It contains a variety of templates, such as photo frames, birthday cards, calendars and more. Get your images ready and go explore this amazing program.

To Install PhotoSuite

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1. Insert the CD-ROM packaged with the camera into the CD-ROM drive.
The welcome screen appears.
2. Click "Install PhotoSuite". Follow the on-screen instructions to complete the installation.



Note:

- For information on how to use PhotoSuite 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 PhotoSuite while logged in as a user with an "Administrator" account.

INSTALLING PHOTOVISTA

PhotoVista is an easy-to-use program that lets you create spectacular 360° panoramic images in a snap. When you view these panoramas, you can get the experience of being totally immersed in a realistic environment. PhotoVista's powerful engine quickly and automatically stitches images together, and its intuitive interface will let even a novice get great results in minutes.

To Install PhotoVista

1. Insert the CD-ROM packaged with the camera into the CD-ROM drive.

The welcome screen appears.

2. Click "Install PhotoVista". Follow the on-screen instructions to complete the installation.





Note:

- For information on how to use PhotoVista to create spectacular 360° panoramic images, please refer to its online help.
- For Windows 2000/XP users, make sure to install and use the PhotoVista while logged in as a user with an Administrator account.
- For Windows XP users which OS version does not include Service Pack 1 or higher, be sure to link to http://www.java.com/en/download/windows_automatic.jsp first and download the Java Virtual Machine installation. For more detail information about Java, please refer to its on-line help at <http://java.sun.com/getjava/help.html>. After java software installation, you can start to install iSee Media Photovista Panorama. Hereunder is iSee Media Photovista Panorama system requirements and recommendations:
Windows 95/ Windows 98/ Windows NT 4 (Service Pack 3 or higher)
Windows 2000*/ Windows Me*/ Windows XP* (Service Pack 1 or higher)

LIST OF MENU OPTIONS

Capture Menu

In the Capture menu, you can determine the conditions you would like to choose such as image size, image quality, EV compensation, white balance, scene mode, quick view, ISO, image-display color, image saturation and sharpness.

1. Open the lens cover and press POWER button to turn on your camera.
2. Press the MENU button and then scroll through the options by using the ▲ / ▼ button. You may change the settings by pressing the ◀ / ▶ button in the main menu or press the  button to enter the sub-menu and choose the setting. After the setting is set, press the  button to confirm.
3. To exit the Capture menu, press the MENU button again.

Capture menu items: Image size, Image quality, EV, White balance, Scene, Quick view, ISO, Color, Saturation, Sharpness, Date imprint and Setup.

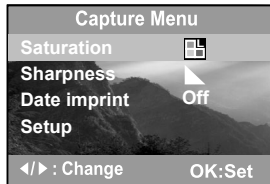
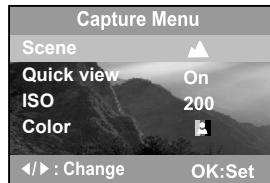
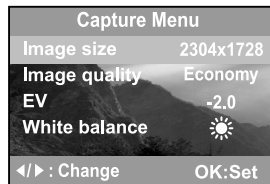


Image size

Refer to "Setting the Image Resolution and Quality" in BASIC FUNCTIONS.

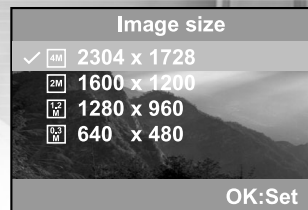
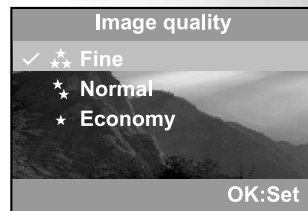


Image quality



Refer to "Setting the Image Resolution and Quality" in BASIC FUNCTIONS.

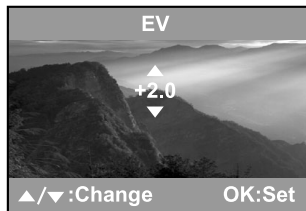


EV

Your camera adjusts the exposure each scene automatically. However, when the subject is too dark or too bright, the camera adjusts the brightness or darker. This is called EV compensation.

The EV compensation of your camera can be adjusted from [-2.0 EV] to [+2.0 EV] (0.5 EV step).

To adjust EV, press the ◀/▶ button in the main menu or press the  button to enter the sub-menu and choose the setting. After the adjustment is set, press the  button to confirm.



Effective Subjects and Set Values

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Positive (+) Compensation

- Copying of printed text (black characters on white paper)
- Backlit portraits
- Very bright scenes (such as snowfields) and highly reflective subjects
- Shots made up predominantly of sky

Negative (-) Compensation

- Spot lighted subjects, particularly against dark backgrounds
- Imaging of printed text (white characters on black paper)
- Scenes with low reflectivity, such as shots of green or dark foliage

White balance

When the brightness of the light changes, our eyes adapt the difference so that the white object remains white. For digital still cameras, they can also see the white object as white by averaging the light around the subject.

The camera determines the white balance by averaging the various kinds of light that actually enters the lens. You may set in advance the white balance when taking photographs under specific lighting conditions (Auto, Daylight, Cloudy, Sunset, Tungsten and Fluorescent).

[Auto]: automatically adjusting the white balance.

[☀ Daylight]: for recording outdoors on a bright day.

[☁ Cloudy]: for recording overcast, shaded, twilight or evenign skies.

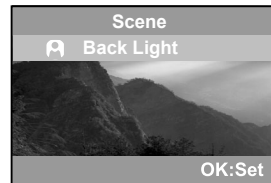
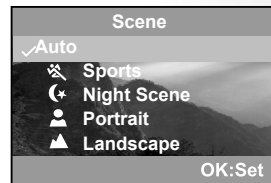
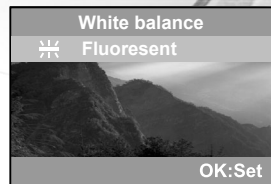
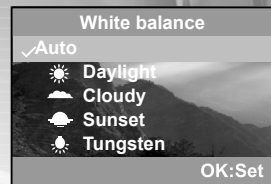
[🌅 Sunset]: for recording under sunset.

[💡 Tungsten]: for recording under tungsten lighting condition.

[💡 Fluorescent]: for recording under fluorescent lighting condition.

Scene

Refer to "SHOOTING-LETTING YOU SELECT SETTINGS".

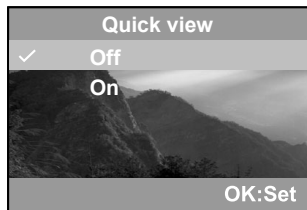


Quick view

Set to display a photographed image on LCD monitor immediately after you have taken the shot.

[Off]: Do not display quick view

[On]: Display quick view



ISO

Select the photographic ISO to be used when a photograph is taken. The higher the ISO sensitivity value, the greater sensitivity, but the greater the noise. With a higher sensitivity selected, bright photographs can be taken with less light.

Auto adjustment

[ISO_{100}]: Sensitivity equivalent to ISO100

[ISO_{200}]: Sensitivity equivalent to ISO200



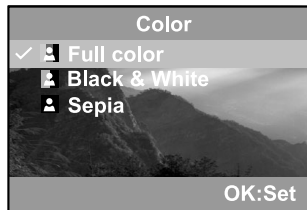
Color

To capture an image, the camera offers three types of color (Full color/ Black & White/ Sepia) for you to match as your wish. Your images will demonstrate different impression by choosing different types of color.

[Full color]: Bright colors

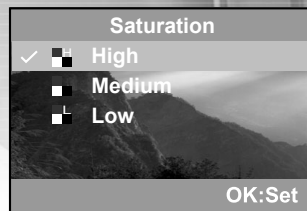
[Black & White]: Monochrome

[Sepia]: Sepia



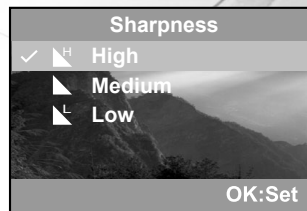
Saturation

To capture an image, the camera offers you three different degrees of color (High/Medium/Low) to match your preference. Your images will give a different impressions by choosing the different degrees of color. This is called Saturation.



Sharpness

Your camera will automatically emphasise the borders between light and dark areas of the image. This will make the image's edges look sharper.

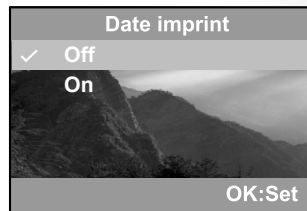


Date imprint

If you set imprint function, your image will be displayed with date on it.

[Off]: Date will not be showed on the captured image.

[On]: Date will be showed on the captured image.






Setup

Refer to "Setup Menu" in LIST OF MENU OPTIONS.

Playback Menu

Use the Playback menu you can create an on-camera slide show or configure DPOF settings. You may also delete one or all stored images, format your SD memory card.

1. Press **POWER** button to turn the camera on.
2. Press **MODE** button twice to enter [] Playback mode.
Then press the **MENU** button to enter Playback menu.
Scroll through the options by using the **▲** / **▼** button.
3. To enter the sub-menu press the  button. After settings are set, press again the  button to confirm.
4. To exit the Playback menu, press the **MODE** button.

E

Playback menu items: Delete, Slide show, DPOF, Protect and Setup.

Delete

Refer to "Deleting Images/Video Clips" in ERASING.

Slide show

Refer to "Automated Playback (Slide Show)" in REPLAYING.

DPOF

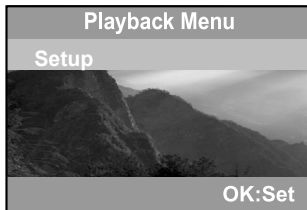
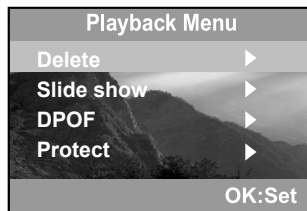
Refer to "PRINT SETTINGS (DPOF SETTINGS)".

Protect

Refer to "Protecting Images" in REPLAYING.

Setup

Refer to "Setup Menu" in LIST OF MENU OPTIONS.



Video Clip Menu

Use the Video Clip menu you can set EV compensation, white balance to record video clips with your preferences.

Video Clip menu items: EV, White balance and Setup.

EV

Refer to "Capture Menu" in LIST OF MENU OPTIONS.

White balance

Refer to "Capture Menu" in LIST OF MENU OPTIONS.

Setup

Refer to "Setup Menu" in LIST OF MENU OPTIONS.

Video Clip Menu	
EV	-0.5
White balance	Auto
Setup	
◀▶ Change	OK: Set

Setup Menu

You can select according to your preference for the camera settings in Setup. Navigate the options you wish to configure by using the ▲ / ▼ button.

Setup menu items: Date & Time, TV, Beeper, Language, Power off time and Set to default.

Date & Time

Refer to "Setting the Date and Time"

TV

E Set the video output format for displaying recorded images on a television.

[NTSC]: Select this format when located in the U.S.A., Canada, Japan, Korea, Taiwan, Central America, or Mexico.

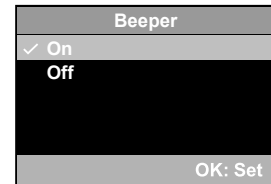
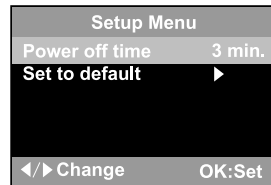
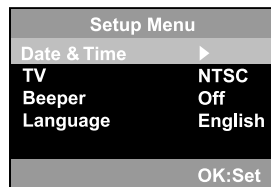
[PAL]: Select this format when located in Australia, Belgium, China, Denmark, Finland, Germany, Great Britain, Holland, Italy, Kuwait, Malaysia, New Zealand, Singapore, Spain, Sweden, Switzerland, Thailand or Norway.

Beeper

Specify whether or not beeps are to be generated when buttons are pressed.

[On]: Beeps are generated

[Off]: Beeps are not generated



Language

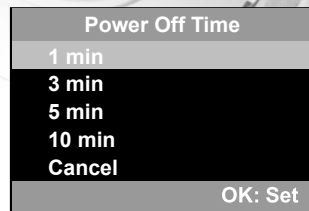
Specify in which language menus and messages are to be displayed on the LCD monitor.

- The provided languages are [English], [Français], [Deutsch], [Español], [Italiano], [繁體中文] and [简体中文]

Power off time

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], [5 Min], [10 Min], [Cancel]

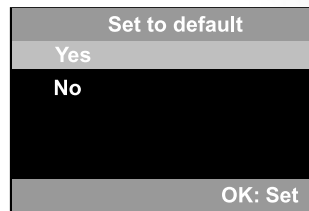


Set to default

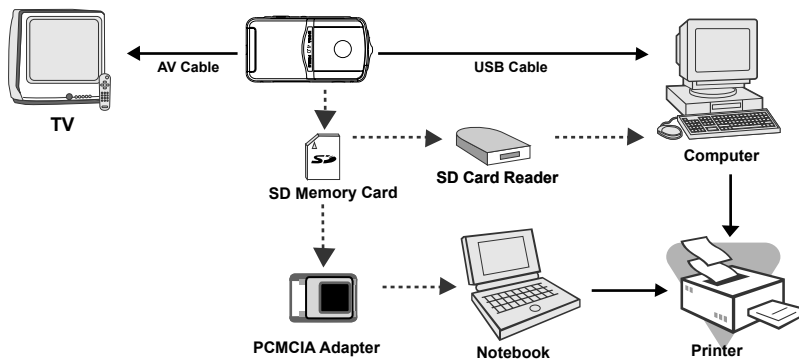
This function will restore all the parameters to the default settings.

[Yes]: Reset to default settings

[No]: Remain the current settings



CONNECTING YOUR CAMERA TO OTHER DEVICES



CAMERA SPECIFICATIONS

Item	Description
Image sensor	CCD
Effective pixels	4.0 Million
Image size	Still image: 2304 x 1728 1600 x 1200 1280 x 960 640 x 480 Video clip: 320 x 240
Image quality	Fine Normal Economy
Recording media	32MB SD memory card (up to 512MB capacity)
Lens	Focal length: 7.7mm Focusing range: Portrait: 0.6m~1.1m Landscape: 1.1m~infinity F-number: 3.5
LCD monitor	1.5" color TFT LCD
Self-timer	5-second delay 10-second delay
Zoom	Digital: Capture mode: 2X/ Playback mode: 4X
Exposure compensation	Auto; Manual:-2.0~+2.0 EV (0.5EV step)

Item	Description
White balance	Auto; Manual: Daylight, Cloudy, Sunset, Tungsten, Fluorescent
Compressed format	JPEG, MPEG I Level I for video clip
Standards	JPEG, EXIF 2.2, DPOF, DCF 1.0, MPEG I Level I
Interface	DC IN jack, USB connector, VIDEO OUT jack (NTSC or PAL)
Operating environment	Operation: -5°C ~40°C, 15% ~90% humidity Storage: -20°C ~70°C, 10 %~95% humidity
Power	2 x AA Alkaline batteries , 2 x AA Ni-MH batteries , AC power adapter (2.5A/3.0V)
Tripod socket	Yes
Dimensions	96mm x 51.5mm x 30mm (WxHxD)
Weight	Approx 110g (without batteries and the SD memory card)

* Design and specifications are subject to change without notice.