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
- 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

1. The bundled driver, software, design, specifications and user's manual that were packaged with the camera are subject to change without notice.
2. The accessories that come with the camera may vary between regions.
3. For driver updates, you can check the "Download" section of our website, www.geniusnet.com.tw.

4. We are not liable whatsoever for any compensation arising from errors in descriptions in this user's manual.

WARNING

■ Do not use the camera if it is emitting smoke, becomes unusually hot to be touched, emitting any unusual odor or noise, or if it is in any other abnormal state. Operating the camera in any of these situations may cause a fire or an electrical shock. Stop using the camera immediately, turn the camera off, and then disconnect the power source (batteries or AC power adapter). If you are using the AC power adapter, unplug the adapter from the AC power outlet after you have disconnected the camera. After checking that smoke is no longer being emitted, contact your dealer or a local authorized service facility and request repairs. Never attempt to repair the camera yourself, as this will terminate the warranty.

■ Do not use the camera if any foreign objects have entered the camera. Turn the camera off, and disconnect the power source (batteries or AC power adapter). If you are using the AC power adapter, unplug the adapter from the AC power outlet after you have disconnected the camera. Then contact your dealer or a local authorized service facility. Do not continue to use the camera as this may cause a fire or an electrical shock.

■ If the camera has been dropped or if the camera case has been damaged, turn the camera off, and then disconnect the power source (batteries or AC power adapter).If you are using the AC power adapter, unplug the adapter from the AC power outlet after you have disconnected the camera. Then contact your dealer or a local 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 any unstable locations such as on a wobbly table or sloping surface where the camera may fall or tip over and cause injury.

■ Do not expose the camera to moisture and make sure that there is no water getting 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 on near water. Water in the camera may cause a fire or an electrical shock.

■ Do not attempt to modify the camera. This may cause a fire or an electrical shock.

■ Do not remove the camera casing. This may cause an electrical shock. Your dealer should only carry out internal inspection, maintenance and repairs or a local authorized service facility.

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

CAUTION

■ Do not place the camera in damp or dusty locations. This may cause a fire or an electrical shock.

■ Do not place the camera in a location affected by oil fumes or steam, such as near a cooking stove or humidifier. This may cause a fire or an electrical shock.

■ Do not cover or wrap the camera or the AC power adapter with a cloth or quilt. This may cause heat to build up and distort the case and cause a fire. Always use the camera and its accessories in well-ventilated locations.

■ Handle the camera carefully and do not bump the camera into any hard object. Handling the camera roughly may cause a malfunction.

■ 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.

■ When leaving the camera unused for long periods, such as during a vacation, always remove the batteries from the camera or unplug it from the power source (AC power adapter) for safety. If you are using the AC power adapter, unplug the adapter from the AC power outlet after you have disconnected the camera. Failure to do so could result in a fire.

■ Do not use batteries other than those specified for use with the camera. The use of unsuitable batteries may result in the batteries splitting or leaking and causing a fire, injury, or soiling of the battery compartment.

■ When placing the batteries into the camera, check the polarity markings on the battery (- and +) to ensure that you insert the battery correctly. Incorrect battery polarity may result in the batteries splitting or leaking and causing a fire, injury, or soiling of the battery compartment.

■ Remove the batteries if the camera will not be used for an extended period of time. The batteries may leak and cause a fire, injury or soiling of the battery compartment. If the batteries leak, clean and wipe the battery compartment carefully and install new batteries. Wash your hands carefully if you touch the battery fluid.

CONTENTS

INTRODUCTION

Overview

Your new digital camera delivers high quality, 2560 x 1920 resolution images using a 5.25 Mega pixels CCD imager. 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.

SD Memory Card is storage medium for saving images that you have photographed. Even if the camera's power is turned OFF, the images saved on the SD Memory Card are not erased. SD Memory Card can be repeated read and written.

Images you have taken can be downloaded to your computer using the USB cable (USB driver 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 have already owned. 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.

Note:
The memory card testing results for 512MB are based on Toshiba, Panasonic and Sandisk SD Memory Card.

Package contents

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

- Digital camera
- Video cable
- User's manual
- USB cable
- Software CD-ROM
- Camera strap

■ Quick guide
■ Two Rechargeable Lithium Ion
Batteries
■ Rechargeable Lithium Ion Battery
Charger
■ AC Plug Adaptor for EU to US

■ Camera pouch
■ A 32MB SD memory card

■ Rechargeable Lithium Ion Battery
Charger Power Cord

Note:

Accessory and components may vary by different retailer.

GETTING TO KNOW THE CAMERA

Front view
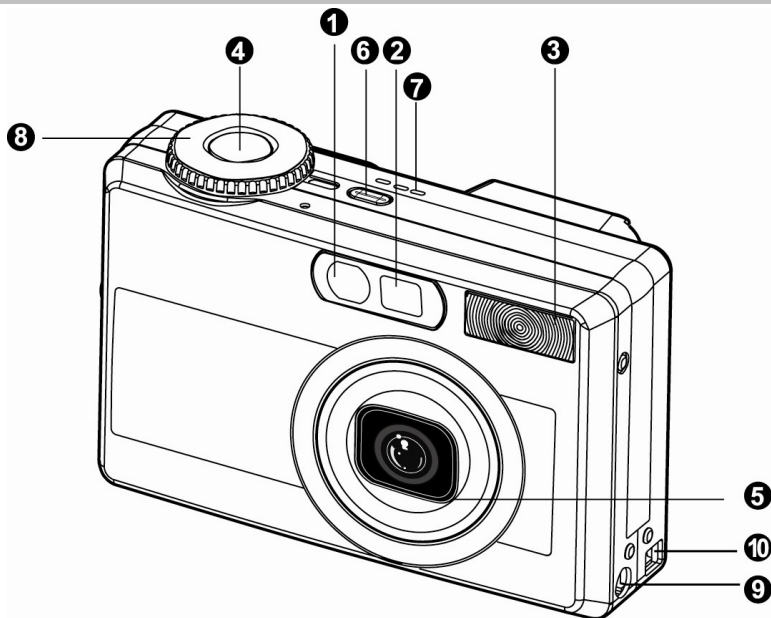
1.	Self-timer/AF support LED
2.	Optical viewfinder
3.	Built-in flash
4.	Shutter button
5.	Lens/lens cover
6.	**POWER** Power button
7.	**MIC** Microphone
8.	Mode dial
9.	DC IN 5V terminal
10.	USB/A/V OUT terminal

Rear view

1.	Diopter adjustment dial
2.	Viewfinder
3.	Viewfinder LED
4.	▥ / ▣ Zoom button
5.	Speaker
6.	MENU Menu button
7.	▢ Display button
8.	Strap attachment
9.	Command dial
10.	🗑 Delete button
11.	Tripod socket
12.	Battery/SD Memory Card cover
13.	LCD monitor
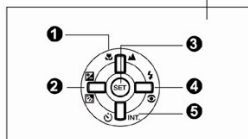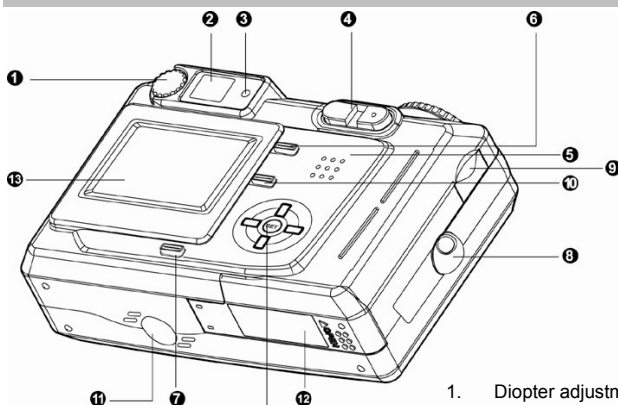
1. ▲	Arrow button (up)
♣/▲	Focus button/macro
2. ◀	Arrow button (left)
▧/▨	Exp./back light
3. SET	Set button
4. ▶	Arrow button (right)
⚡/👁	Flash button
5. ▼	Arrow button (down)
⏱/INT.	Self-time button/interval

Mode Dial
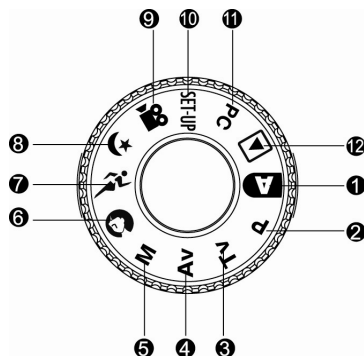
1.	Auto	Auto	7.		Sports mode
2.	P	Program mode	8.		Night scene mode
3.	Tv	Tv (Shutter Speed priority)	9.		Movie mode
4.	Av	Av (Aperture priority)	10.	SET-UP	Set-up mode
5.	M	Manual mode	11.	PC	PC mode
6.		Portrait mode	12.		Playback mode

Viewfinder LED Indicator

Color	State	Description			
		Photography Mode	Setup Mode Charge Mode	PC Mode	Battery
Green	On	AE or AF is locked with the Shutter button held half down.	In standby mode.	In communication to PC. (SD Memory Card is inserted.)	Under charging
Red	On	Writing to SD Memory Card in progress.	Accessing of SD Memory Card in progress	In connecting to PC. (SD Memory Card is inserted.)	Error
	Flashing	When the image is not in focus.	—	—	Interval timer standing by
Orange	On	Processing images Charging of flash in progress		Disconnection (SD Memory Card is inserted.)	No battery
	Flashing	Hardware malfunction		SD Memory Card is not inserted.	—

LCD Monitor Information

AUTO capture mode

Zoom state Voice icon

Mode dial setting
Macro
Focus area

Backlight conpensation
Slow shutter speed

Battery condition
Flash light status
Picture size
Picture quality

Self-timer
Possible number of shots

0001

Program/Tv/Av/Manual/Portrait/Sports/Night scene mode

Zoom state Voice icon

Mode dial setting
Macro
Preset white balance
Metering

Exopsure compensation

Battery condition
Flash light status
Picture size
Picture quality

Self-timer
Possible number of shots

0.5   F2.8   0001

Shutter speed Aperture

Movie mode

Zoom state
Mode dial setting — W‖‖‖T
Macro
Battery condition
Picture size
Picture quality
Self-timer
10S
0:40
Possible recording time

Playback mode (Standard)

101-0002
Folder number

Playback mode (Detailed information)

File Name	:PICT0029.JPG
Size	:640X480
Quality	:Fine
Shutter speed	:1/80
Aperture	:3.5
ISO	:100
Strobe	:ON
File Size	:72kBytes

GETTING STARTED

Installing the Battery

1. Make sure the camera power is off.
2. Open the battery/SD Memory Card cover.
3. Insert the battery in the correct orientation shown.
   - Tilt the battery lock lever toward the strap attachment and then insert the battery following the orientation of the arrow on the battery's label.
   - Insert the battery as far as it can go.
4. Close the battery/SD Memory Card cover.
   - To remove the battery:
     Open the battery/SD Memory Card cover and then release the battery lock lever. After the battery is slightly ejected, pull out the battery slowly.
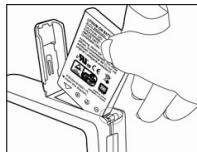
Battery lock lever

📝 NOTE

- Use only the specified battery type (Lithium Ion).
- If you are not going to use the battery for an extended period of time, remove it from the camera to prevent leakage or corrosion.
- Never use different type of battery.
- Avoid using battery in extremely cold environments as low temperatures can shorten the battery life and reduce the camera performance.

Charging the Battery

LED INDICATION

AC INPUT
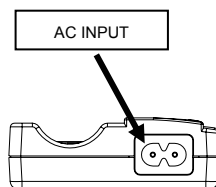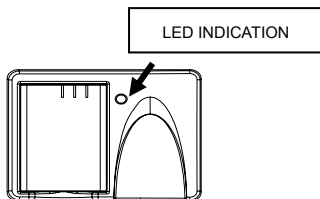
1. Insert the battery, noting correct polarity (+ and -).
   Input Voltage:100-240V/50-60Hz
   Output Voltage:4.2V/750mA

2. LED Indicator:

Status	LED Indication	Battery Charge Condition
Battery not installed	Green	OK
Battery installed	Green	Fully charged
Battery installed	Red	Charging
Battery installed/not installed	Off	Battery/charger defective

3. Notice:
   A. Before you use a new battery, it should be charged for 3 hours the first time.
   B. If the green LED is on when power is connected, it indicates the battery charger is operating normally and ready for battery charging.
   C. When the battery is put into the battery charger, the LED indicator changes from green to red, indicating the battery is being charged.
   D. If the LED indicator is not on when the power is connected, it indicates that the battery charger is defective. The user should turn AC power off.
   E. If the battery has been charged over 3 hours and the LED indicator is still red, this means the battery is faulty. The user should remove the battery.
   F. If it is necessary to charge a backup battery, the user should wait until the charging battery is completely charged. Then remove the charged battery and charge the backup battery.

📖 NOTE

■ Never use the battery unspecified for the camera.
■ Do not place the camera in hot temperature. Use it at room temperature.

# Inserting an SD Memory Card (Optional)

All images and video clips taken by the camera can be stored in an SD (Secure Digital) Memory Card. Even if the camera's power is OFF, the images saved in the SD Memory Card are not erased. An SD Memory Card can be repeated read and written. You may also expand the memory capacity up to 512MB so that you can store additional images and video clips.

1. Make sure the camera is off.
2. Slide the battery/SD Memory Card cover in the direction of the [OPEN] arrow.
3. Insert an SD Memory Card :
   ■ The front side of the memory card (printed arrow) should face towards the front side of the camera.
   ■ If the card cannot be inserted, check the orientation.
4. Close the battery/SD Memory Card cover.
   ■ To remove the SD Memory Card, make sure the camera is off. Open the battery/SD Memory Card cover. Press lightly on the edge of the memory card and it will eject.

✏ NOTE

- If the camera is powered-on without the card, the "NO CARD" message appears on the LCD monitor.
- To prevent valuable data from being accidentally erased from an SD Memory Card you can slide the write-protected tab (on the side of the SD Memory Card) to "LOCK".
- To save, edit or erase data on an SD Memory Card, you must unlock the card. MMC Card can not be accepted to use.
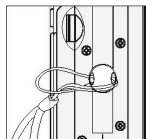- Please format an SD Memory Card by this camera before use.
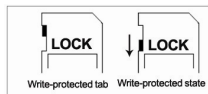
Attaching the Strap

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

Attach the hand strap as follows:

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

TAKING PHOTOGRAPHS

Photography in the Auto Capture Mode [⚠]

Your camera provides a single image capturing, continuous image capturing and auto exposure bracketing capturing. It is equipped with both an optical viewfinder and a 1. 5" full color TFT LCD monitor to compose images. Taking images by using the optical viewfinder will conserve more battery power. If your battery is in low level, it is recommended to compose images by using the viewfinder. The LCD monitor can help you accurately compose the pictures and examine all details. However, this may also consume you more battery power.
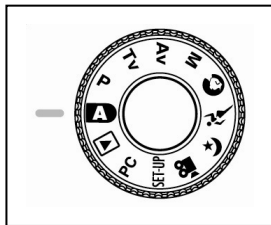
Using the Viewfinder

1. Turn the camera on by pressing the **POWER** button.
2. Set the mode dial to [▲].
3. Compose your shot in the viewfinder.
    ■ Turn the "diopter adjustment dial" until
      the image appears clearly within the
      viewfinder.
4. Press the shutter button down halfway, and
    then press it down fully.
    ■ The viewfinder LED indicator lights red
      while the camera is processing a
      captured image.

Diopter adjustment dial
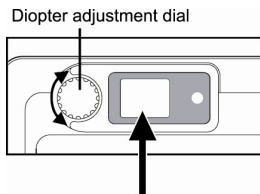
🖎 NOTE

■ Voice memo is starting to record at still image capture mode just after the photograph is taken in case of activating this function. It provides 10 seconds for recording and only can be done once. To terminate recording, press the shutter button down fully.

Using the LCD Monitor

1. Turn the camera on by pressing the **POWER** button.
2. Set the mode dial to [▲].
    ■ By default, the LCD monitor setting is "ON".
3. Compose the picture in the LCD monitor.
4. Press the shutter button down halfway (the camera
    adjusts the exposure and the focus), then press it down
    fully.
    ■ The viewfinder LED indicator lights red while the
      camera is processing a captured image.
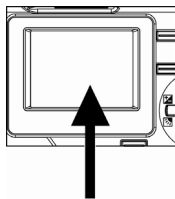
LCD Monitor Display (Capture Mode)

The [▯] Display button can select display format. Whether in "Still Image" or "Movie" mode,
preview image with full OSD is displayed.

OSD (on-screen-display) full display ⟶ OSD display OFF ⟶ LCD monitor OFF

NOTE

■ The image in 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 increase the shots and conserve battery power, it is recommended to turn the LCD monitor off and use the viewfinder instead.

Using the Optical Zoom

The lens moves during the zoom photography. Zoom photography allows you to take telephoto and wide-angle shots. The subject appears closer by pressing the [ ] button and appears farther away by pressing the [ ] button.

1. Set the mode dial to one of [ ], [**P**], [**Tv**], [**Av**], [**M**], [ ], [ ], [ ], [ ] and power on the camera.
2. If required, turn on the LCD monitor by pressing the [ ] button.
3. Compose the picture by using the [ ]/[ ] button.

    ■ Pressing the [ ] button zooms in on the subject, and enlarges the subject on the LCD monitor.

    ■ Pressing the [ ] button provides a wider angle picture. The lens position moves according to the zoom button setting.
4. Press the shutter button down halfway, and then press it down fully.
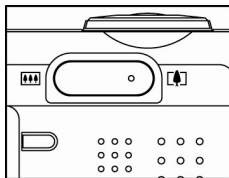
Using the Digital Zoom

By using the digital zoom, images can be enlarged so that the subject appears closer. However, the more the image is enlarged, the grainer the image will become. The digital zoom function is only available when you set the LCD monitor and the digital zoom to ON. To capture a digitally zoomed image, perform the following steps:

1. Set the mode dial to one of [ ], [**P**], [**Tv**], [**Av**], [**M**], [ ], [ ], [ ], [ ] and power on the camera.
2. If required, turn on the LCD monitor by pressing the [ ] button.
3. To enable the digital zoom is as follows:
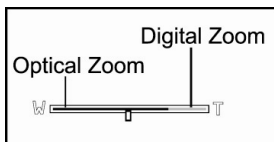
      a.   Press the **MENU** button.

      b.   Press the ◀ or ▶ button to select **Function** page.

      c.   Press the ◀ or ▶ button to select **Digital Zoom**, and press the **SET** button.

      d.   Press the ◀ or ▶ button again to select **ON**, and press the **SET** button.

      e.   Press the **MENU** button.

      f.   To activate the digital zoom, press the [🔍] button completely and hold it until the image on the **LCD** monitor expands.

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

📝 NOTE

■ The camera has 1X to 3X optical zoom and 1X to 4.0X electrical zoom function.
■ Digital zoom function is terminated when user selects LCD off mode.

Using the Self-timer

The [⟳/INT.] self-timer button can select the capturing mode between "OFF" (default) and "Self timer (2 sec., 10 sec., 10+2 sec. or Interval)".

  [2 sec.]   The camera automatically takes a picture after two seconds delay.

  [10 sec.]   The camera automatically takes a picture after ten seconds delay.

  [10+2 sec.]   The camera automatically takes a picture after ten seconds delay, and takes again after two seconds.

                   In case of flash light capacitor is not charged up, the second take can be done at two second after charged.

  [Interval]   The camera automatically takes a picture every preset time till media full or battery empty.

To activate the self-timer by pressing the shutter button. After selecting this mode, self-timer icon displays on **LCD** monitor and then LED on the front panel blinks fast for the last 3 seconds. Using the self-timer allows you to get into the scene when taking group images.
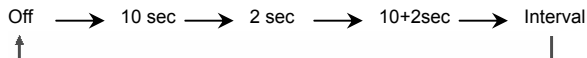
1.   Secure the camera to a tripod or place it on a stable surface.

2.   Set the mode dial to one of [🄰], [**P**], [**Tv**], [**Av**], [**M**],
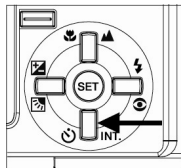
[🌑], [🏃], [✵], [🎥] and power on the camera.

3.   Press the [⟳/INT.] button.

■   When you toggle the self-timer button, the following are displayed in the accordingly order:

Off ⟶ 10 sec ⟶ 2 sec ⟶ 10+2sec ⟶ Interval

4.   Compose the picture.
5.   Press the shutter button down halfway, and then press it down fully.
■   The self-timer function is activated. The photograph is then taken after the preset time.
■   When the photographs are taken using the LCD monitor, the count down is displayed.
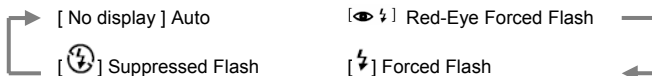
📝 NOTE

■   After an image is taken using self-timer, the self-timer mode is turned off.
■   The self-timer is not possible in the continuous capture mode.
■   The self-timer is only available for 2 or 10 seconds delay at [🎥] mode. The camera automatically starts to recording after 2 or 10 seconds.

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.   Set the mode dial to one of [📷], [P], [Tv], [Av], [M] and power on the camera.

2.   Press the [⚡☀] button repeatedly until your desired flash mode appears.

■   When you toggle the flash button at [📷] mode, the available flash modes are displayed in the following order.

[No display] Auto   [👁⚡] Red-Eye Forced Flash

[🚫⚡] Suppressed Flash   [⚡] Forced Flash

3.   Compose the picture and press the shutter button down halfway, then press it down fully.

### 📝 NOTE

■ After flash fires, it takes approximately 5 seconds to 10 seconds to be ready for the next shot during solid orange indicator.

The camera has FOUR flash modes: Auto, Red-Eye Reduction, Forced Flash and Flash Off. The table below will help you to choose the appropriate flash mode:

Icon	Flash Mode	Description
[ ]	Auto Flash	The flash fires automatically according to the ambient lighting conditions.
[👁 ⚡]	Red-Eye Reduction (With auto-flash except to [**Tv**] [**Av**],[**M**])	Select this mode for general photography. The flash emits a precursor-flash before the main flash fires. This causes the pupil in the human eyes to contract, reducing the red-eye phenomenon. Select this mode when taking images of people and animals in low-light conditions.
[⚡]	Forced Flash	The flash will always fire regardless of the surrounding brightness. Select this mode for recording images with high contrast (back lighting) 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.

📝 NOTE

■ Auto flash can only be set at [🄰] mode. It can not be set at [M], [P], [Tv] and [Av] modes.

■ In the [👤] Portrait mode, flash setting is fixed to Red-Eye Reduction mode automatically.

■ In the [🏃] Sports mode, flash setting is fixed to [🚫⚡].

■ In the [✴] Night scene mode, flash setting is fixed to [⚡] except [▲] Focus mode.

Changing the Focus

1. Set the mode dial to one of [🄰], [**P**], [**Tv**], [**Av**],

   [**M**], [🄾], [☆], [❋], [🎥] and power on the
   camera.

2. Toggle the [♣/▲] Focus button.

   The selected focus mode is displayed on the LCD
   monitor.

[no indication]:	Normal Auto Focus (0.8m to infinity).
[♣]:	Macro Auto Focus (0.09m to infinity/ Wide, 0.3m to infinity/Tele).
[▲]:	The camera will focus on the subjects in a distance of infinity to take photos.
[3m]:	The camera will focus on subjects in a distance of 3m to take photos.
[1m]:	The camera will focus on subjects in a distance of 1m to take photos.
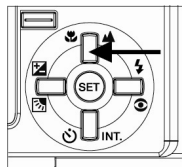
3. Compose the picture.
4. Press the shutter down halfway, and then press it down fully.

📝 **NOTE**

■ When shooting a close-up in Macro mode, use the LCD monitor to compose your shot,
  avoiding the off-center parallax phenomenon.
■ There is not a distinct point (subject range) at which Normal mode is favored over Macro
  mode; take in image in both optical modes and compare the results.
■ After a Macro shot is taken **DO NOT FORGET** to reset the lens to the normal position.

Changing the Exposure Compensation

This setting [🄴/🄳] allows you to intentionally lighten or darken the entire image.

Use this setting when the optimum brightness (exposure) cannot be obtained, for example,
when the brightness between the subject and the background is not balanced or when the
subject to photograph occupies only an extremely small part of the screen.

The [🄴/🄳] Exposure Compensation button can select "Normal capturing mode", "Backlight
compensation capturing mode" and "Exposure compensation adjusting mode" cycling.

1. Set the mode dial to one of [P], [Tv], [Av] and power on the camera.

2. Toggle the $[\boxed{\text{⊞/🖼}}]$ button to select exposure compensation mode or backlight compensation mode.

3. When exposure compensation mode is selected, rotate the **Command** dial to adjust the exposure, and press the $[\boxed{\text{⊞/🖼}}]$ button again to confirm.

    ◼ Rotate the **Command** dial to counter clockwise direction to decrease (darken) exposure, and rotate the **Command** dial to clockwise direction to increase (brighten) exposure.

4. Compose the picture, press the shutter button down halfway, and press it down fully.

Backlight compensation

Exopsure compensation

Effective Subjects and Set Values

◼ 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 lit subjects, particularly against dark backgrounds

    • Copying of printed text (white characters on black paper)

    • Scenes with low reflectivity, such as shots of green or dark foliage

🖎 NOTE

- While selecting "Backlight compensation capturing mode", the EV value sets to +1.3 EV automatically and setting of exposure compensation value is ignored.
- In "Exposure compensation", the default value is "0.0EV". The setting range is as follows: -2.0 / -1.7 / -1.3 / -1.0 /- 0.7 / -0.3 / 0 (default) / +0.3 / +0.7/ +1.0 / +1.3 / +1.7 / +2.0
- Exposure Compensation cannot be set at [🔺] mode.
- The ideal brightness sometimes cannot be obtained even if a large exposure value is set in dark photographic conditions.
  In this case, press the shutter button, and check the brightness in the preview image (photographed still image).

Setting the Image Size and Quality

Size and quality settings determine the pixel size (dimension), image file size, and compression ratio for your image. These settings affect the number of images. These settings affect the number of images that can be stored in an SD Memory Card.

Larger and higher quality images offer the best photographic results but take up more memory space. Larger/quality settings are recommended for printed output and situations requiring the finest detail. Smaller/quality images take up less memory space and may be quite suitable for sharing images via e-mail, in a report, or on a web page.

To change image size or image quality,

1. Set the mode dial to one of [🔺], [P], [Tv], [Av], [M], [🌑], [⚡], [✦] and power on the camera.
2. Press the **MENU** button.
   ■ The menu screen appears.
3. Select Size or Quality by using the ▲ or ▼ button.
4. Press the **SET** button. Select the desired image size or image quality setting by using the ▲ or ▼ button.
5. Press the **SET** button to confirm. To exit the menu screen press the **MENU** button.

The tables below show the approximate number of images that can be stored on Still Image and Movie Image mode.

Still Image Mode

Quality mode (Compression Rate)	Image Size	8MB	16MB	32MB	64MB	128MB	256MB	512MB
Fine (1/4)	5M (2560 x 1920)	2	6	13	27	55	105	222

	3M (2048 x 1536)	4	10	22	46	93	177	374
	1.2M (1280 x 960)	9	20	42	86	174	331	698
	VGA (640 x 480)	31	69	145	298	602	1147	2417
Standard (1/8)	5M (2560 x 1920)	4	10	22	46	93	177	374
	3M (2048 x 1536)	8	17	36	74	150	286	604
	1.2M (1280 x 960)	15	34	72	149	301	572	1208
	VGA (640 x 480)	48	100	210	430	870	1657	3491
Economy (1/16)	5M (2560 x 1920)	9	20	42	86	174	331	698
	3M (2048 x 1536)	15	34	72	149	301	573	1208
	1.2M (1280 x 960)	28	60	126	258	522	994	2094
	VGA (640 x 480)	91	181	379	775	1566	2984	6284

Movie Image Mode

Quality mode (Compression Rate)	Image Size	Photography time (sec.)(max.)
Fine (1/10)	FULL (320 x 240)	30
	HALF (160 x 120)	90
Standard (1/14)	FULL (320 x 240)	45
	HALF (160 x 120)	120
Economy (1/19)	FULL (320 x 240)	60
	HALF (160 x 120)	180

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

Photography in the Program Mode [P]

The camera automatically adjusts the shutter speed and the aperture value according to the brightness of an object. It is possible to change the white balance, the metering system and exposure compensation in program mode.

1. Set the mode dial to [P] and power on the camera.
2. Compose the picture.

3.   Press the shutter button down halfway, and press it down fully.

Photography in the Shutter Speed-priority Mode [Tv]

In this mode, photographs are taken with the priority given
to shutter speed. The camera automatically sets the
aperture value according to the shutter speed.
A fast shutter speed produces a photograph that looks as if
a moving subject is still.
A slow shutter speed produces as photograph that makes
you feel that it is flowing.
1.   Set the mode dial to [Tv] and power on the camera.
2.   Rotate the **Command** dial to adjust the shutter
     speed.
3.   Compose the picture and press the shutter button down halfway, then press it down fully

📝 NOTE

■   If the appropriate combination cannot be set even if the aperture is adjusted to its limit, the
    aperture value is displayed in "red".

Photography in the Aperture-priority Mode [Av]
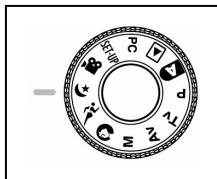
In this mode, photographs are taken with the priority given to aperture. The camera
automatically sets the shutter speed according to the
aperture.
A small aperture value produces a portrait photo with an
out-of-focus background. The smaller the aperture value,
the more out-of-focus the background becomes.
A large aperture value produces sharp images on both
close objects and distant objects like landscapes. The
larger the aperture value, the larger the area for sharp
images.

1.   Set the mode dial to [Av] and power on the camera.
2.   Rotate the **Command** dial to adjust the aperture value.
     ■   The aperture value and the shutter speed corresponding to that value are displayed
         on the LCD monitor.
3.   Compose the picture and press the shutter button down halfway, then press it down fully.

📝 NOTE

■   The larger the F value, the smaller the aperture size becomes and vice versa.

Photography in the Full Manual Mode [M]

This mode can set the aperture and shutter speed values separately before taking a photograph. Both the aperture value and shutter speed can be changed by rotating the **Command** dial.

1. Set the mode dial to [M] and power on the camera.
2. Adjust the aperture and shutter speed separately.

    ■ Press the [🔲/🔲] button to select the aperture or shutter speed. Available function is displayed in blue on the LCD monitor.
    ■ Rotate the **Command** dial to adjust the value.
3. Compose the picture, press the shutter button down halfway, and press it down fully.

Photography in the Portrait Mode [🟢]

Select this mode to make people stand out with the background out-of-focus. Flash setting is fixed to red-eye reduction mode automatically.

1. Set the mode dial to [🟢] and power on the camera.
2. Compose the picture.
3. Press the shutter button down halfway, and press it down fully.

Photography in the Sports Mode [🏃]

Select this mode to take photographs of fast-moving subjects. Flash photography is not possible.

1. Set the mode dial to [🏃] and power on the camera.
2. Compose the picture.
3. Press the shutter button down halfway, and press it down fully.

Photography in the Night Scene Mode [☾]

Select this mode to take photographs of people against a dusk or nigh-time background. Flash setting is fixed to Slow Synchrony (the flash is fired at a slower shutter speed).

1. Set the mode dial to [☾] and power on the camera.
2. Compose the picture.
3. Press the shutter button down halfway, and press it down fully.

Making Movies [🎥]

The movie mode allows you to record video clips at the size of 320 x 240 pixels and 160 x 120 pixels.

By dialing the MODE switch to [🎥] position, the camera can take moving image with "voice" recording. The camera shows the preview image on the LCD monitor.

(In [🎥] mode, the LCD monitor cannot be turned off.)

1. Set the mode dial to [🎥].
2. Compose the picture, press the shutter button down halfway, and press it down fully.
   ■ Photography begins. [REC] appears on the LCD monitor.
3. To stop making movies, press the shutter button down fully again.
   ■ If you do not do this, photography is automatically stopped when there is no more free space on the SD Memory Card, or when the maximum size that a single movie can be recorded is reached.

📝 NOTE

■ In [🎥] mode, EV compensation cannot be set or activated.

■ In [🎥] mode, the flash mode is automatically set to [OFF].

■ The image size during capture and playback becoms (320X240) or (160x120).

■ The movie made in (320x240) size is displayed on the entire LCD monitor, and that made in (160x120) size is displayed in the center of the screen.

CHANGING THE PRESET CONDITIONS (IN CAPTURE MODE)

This menu is for setting the basic setting to be used for photography in the [🔺], [**P**], [**Tv**],

[**Av**], [**M**], [🌙], [🏃], [✦],or [🎬] photography modes.

1. Set the mode dial to one of [🔺], [**P**], [**Tv**], [**Av**], [**M**], [🌙], [🏃], [✦], [🎬] and power on the camera.

2. Press the **MENU** button.
   - ■ The menu screen is displayed.
3. Use the ◀ or ▶ button to select the menu page.
4. Use the ▲ or ▼ button to select the desired item and press the **SET** button.
   - ■ The options are displayed.
5. Use the ▲ or ▼ button to select the desired setting and press the **SET** button.
   - ■ This saves the settings, and returns the display to menu screen.
6. To exit the menu screen, press the **MENU** button.
   - ■ The camera is now ready to take photographs.

Picture	Function	AE/AWB
Size		2560 x1920
Quality		Fine
Sharpness		Normal
Contrast		Basic
Color		Sepia

Menu:Exit ◀ or ▶ : Select Page
Set:Adjust ▲ or ▼ : Select Item
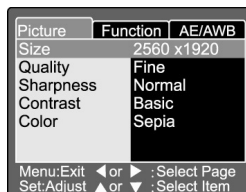
Picture Setting

The Picture Setting contains 5 items: Size, Quality,

Sharpness, Contrast and Color.

Size

Set the desired image size.

Picture	Function	AE/AWB
Size		2560 x1920
Quality		2048 x 1536
Sharpness		1280 x960
Contrast		640x480
Color		Sepia

Menu:Exit ◀ or ▶ : Select Page
Set:Adjust ▲ or ▼ : Select Item

[2560 x 1920]:	2560 x 1920 pixels
[2048 x 1536]:	2048 x 1536 pixels
[1280 x 960]:	1280 x 960 pixels
[640 x 480]:	640 x 480 pixels

📝 NOTE

■ In the [🎬] mode, image size available in this setting is 320 x 240 pixels and 160 x 120 pixels.
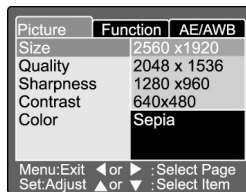
Quality

Set the quality (compression ratio) sharpness at which the image is to be recorded.

[Fine]:	1/4 compression (still image)/1/10 compression (video clip)
[Standard]:	1/8 compression (still image)/1/14 compression (video clip)
[Economy]:	1/16 compression (still image)/1/19 compression (video clip)

Sharpness

Set the level of the image sharpness.

[Hard]:	Hard effect
[Normal]:	Normal sharpness (default)
[Soft]:	Soft effect

✎ NOTE

■ This function is not available in the [🎥] mode

Contrast

Set the contrast of the image to be photographed.

[Hard]:	Hard contrast
[Normal]:	Automatic (standard) setting (default)
[Soft]:	Soft contrast

Color

Set the color of the images to be photographed.

[Standard]:	Standard color (default)

-30-

[Vivid]:   Vivid color

[Sepia]:   Sepia

[Monochrome]:   Black and white

Function Setting

The Function Setting contains 6 items: Capture Mode, Voice Memo, LCD Brightness, Digital Zoom, Preview and Interval/Count.

Capture Mode

Set the capture mode at which the image is to be recorded.

[Single]:   1 shot mode can be set (default).

[Continuous]:   In this mode, photographs are taken continuously at a maximum speed of 0.5 second speed interval. The maximum number of photographs that can be taken continuously is 3 photographs.

[Auto Exp.]:   In this mode, the camera takes 3 consecutive pictures in the order of standard exposure, underexposure and overexposure compensation.
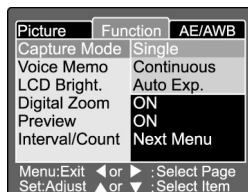
Voice Memo

Set the voice memo for still image. In case of activating voice memo, audio data which incoming from microphone is recorded 10 seconds at preview or playback mode.

[ON]:   Enable voice memo

[OFF]: Disable voice memo
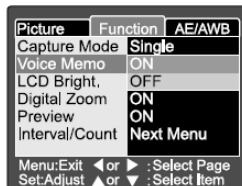
NOTE

■ When voice memo is set to "ON", preview setting is also fixed to "ON".

LCD Brightness

Adjust the brightness of the LCD monitor. By selecting LCD bright of menu, and press the **SET** button, the LCD control mode is displayed.

Press ▼ button to darken the LCD monitor, or ▲ button to lighten the LCD monitor.

The LCD monitor's adjustment range is within –5 to +5. The default value is 0.
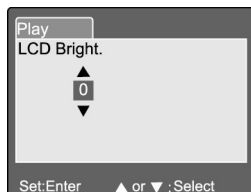
Digital Zoom

Enlarge the center of the screen and takes photographs with the focal distance increased by factor of 4.0.

[ON]:   Enable digital zoom photography (default).

[OFF]:   Disable digital zoom photography.
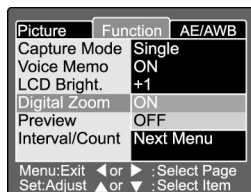
Preview

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

[ON]:   Enable display preview (default).

[OFF]:   Disable display preview.
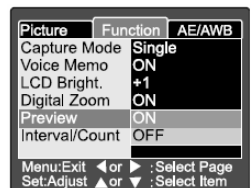
NOTE

■ A photographed image is displayed on the LCD monitor for 2 seconds.

■ When preview is set to "OFF", voice memo setting is also fixed to "OFF".

Interval/Count

The camera provides interval image capturing based on this setting.

This mode is available in the self-timer photography.

By selecting Interval/Count and press the **SET** button, the Interval/Count mode is displayed.

Press the ▲ or ▼ button to change the interval time.

[1 Min.]: Recording interval is 1 minute

[3 Min.]: Recording interval is 3 minutes

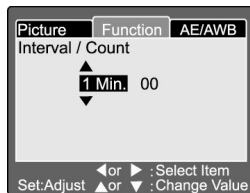**[10 Min.]:** Recording interval is 10 minutes.

[60 Min.]: Recording interval is 60 minutes.

Select count by pressing the ◀ or ▶ button. You can

set the counts you want to take pictures by pressing the

▲ or ▼ button. To cancel Interval/Count while this function is activated, press the power

button to turn off or toggle the mode dial.

[2]:   2 shots can be taken

                            ⟨

[99]:   99 shots can be taken

AE/AWB Setting

The AE/AWB Setting contains 4 items: White balance, Metering, ISO and Manual WB.

This menu is not available in the [🄰]Auto and [🎥] mode.

White Balance

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] :   Auto white balance (default).

[Incandescent]:   Incandescent light mode.

[Fluorescent 1]:   Reddish fluorescent light mode.

[Fluorescent 2]:   Bluish fluorescent light mode.

[Day Light]:   Daylight mode.

[Cloudy]:   Cloudy mode.

[Manual]:   Manual mode.
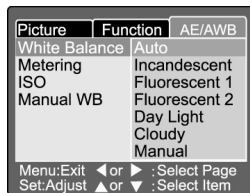
Metering

The camera calculates the exposure level before a photograph is taken.
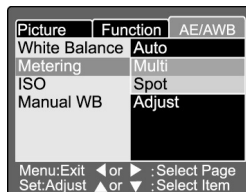
[Multi]: Multi metering (default)

> The exposure is measured and calculated for the entire area of the screen.
>
> By dividing the entire area of the screen, the exposure level for each unit is calculated.
>
> A well balance exposure can be obtained.

[Spot]: Spot metering

> The exposure is measured in a very small
> area at the center of the screen. It is
> possible to calculate the exposure of a
> subject without being affected by the
> surrounding environment.


```
Picture    Function   AE/AWB
White Balance  Auto
Metering       Multi
ISO            Spot
Manual WB      Adjust

Menu:Exit  ◄ or ►  :Select Page
Set:Adjust ▲ or ▼  :Select Item
```

ISO

Set the photographic sensitivity at which the image is to be recorded.

[100]: Equivalent to color ISO100.

[200]: High-sensitive photography equivalent to color ISO200.

[400]: High-sensitive photography equivalent to color ISO400.

[Auto]: Automatically set between ISO 100 to ISO400.


```
Picture    Function   AE/AWB
White Balance  Auto
Metering       Multi
ISO            100
Manual WB      200
               400

Menu:Exit  ◄ or ►  :Select Page
Set:Adjust ▲ or ▼  :Select Item
```
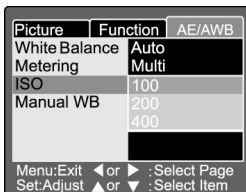
📝 NOTE

- In [🏔], [🍷], [🎇], [🌃] or [🎬] mode, the ISO will be automatically set between ISO 100 to ISO 400.
- In [**Tv**], [**Av**] or [**M**] mode, during 100, the ISO will be fixed to ISO 100; during 200, the ISO will be fixed to ISO 200; during 400, the ISO will be fixed to ISO 400.
- In [**P**] mode, ISO setting has 100, 200, 400 and Auto . If Auto is selected, the camera will automatically set the ISO value according to the ambient brightness.

Manual WB

You may select "Manual WB" by using ▲ or ▼
button at AE/AWB adjusting menu, and press the
SET button.

LCD monitor shows the manual WB menu. Compose
the picture with white object (e.g.white paper) inside
the area indicated by blue angle on the LCD monitor.
Select "Execute" by using the ▲ or ▼ button, then
press the **SET** button.

Picture	Function	AE/AWB
Manual WB		
	Cancel	
	Execute	
Set:Enter	▲ or ▼ ; Select	
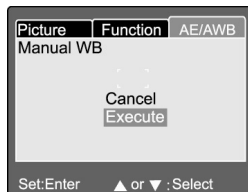
NOTE

■ This operation does not care the current mode of white balance. After setting manual WB
automatically white balance mode can be set to manual.

PLAYING BACK IMAGES [▶]

Playing Back Photographed Images (Single-Frame Playback)

Play back photographed still images one image at a time.

1. Set the mode dial to [▶] and power on the camera.
    ■The last recorded image appears on the LCD
    monitor.

2. Rotate the **COMMAND** dial or press the ▲ or
    ▼ button to advance to next frame or to go
    back one frame.

    ■ Rotate clockwise: Display the next image.
    ■ Rotate counterclockwise: Display the
      previous image.
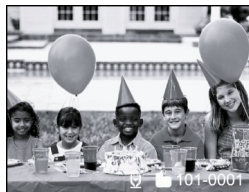
NOTE

■ Press the **SET** button to playback the voice memo data.

■ Images can be rotated by pressing the ◀ or ▶ button during playback. Pressing the ◀

button rotates an image counterclockwise, and pressing the ▶ button rotates it clockwise.

■ If no images in the SD Memory Card, the message of "NO IMAGE" is displayed on the LCD monitor.

■ You can also playback your images on a TV screen. First connect one end of the A/V cable to the A/V out terminal of the camera. Then connect the other end to the A/V input socket of the TV. Set the mode dial to (playback) and then turn the TV and camera on.

■ Make sure to turn off the camera before connecting or disconnecting with the A/V cable.

Voice Record

By pressing the shutter button during playing back the picture, voice may be recorded.

When pressing the shutter button down fully "VOICE RECORDING" is indicated on the LCD

monitor for 10 seconds. Pressing the shutter button down fully again "VOICE RECORD END" is

indicated.

📝 NOTE

■ In the playback display mode, voice icon is displayed for the voice recorded picture.

■ Voice record is also available at still image capture mode.

■ Voice record only can be done once.

Playing Back Movies

Playback movies that you have recorded. The movies made in **FULL** size are displayed on the

entire LCD monitor, and those made in **HALF** size are displayed in the center of the screen.

1. Set the mode dial to [▶] and power on the camera.

■ The last recorded image appears on the LCD monitor.

2. Rotate the **Command** dial or press the ▲ or ▼ button to select the movie to play back.

3. Press the **SET** button.
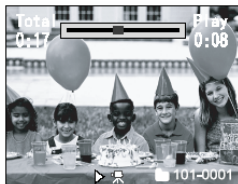
- Playback of the selected movie begins.

A user can control playback movie file as the following table:

	During playback	During pause	During playback 2x	During playback 4x	During reverse playback 2x	During reverse playback 4x	During stopping
▶ button	2x-speed playback	1-frame feed	4x-speed playback	Playback	2x-speed playback	2x-speed playback	-
◀ button	Reverse 2x-speed playback	Reverse 1-frame feed	Reverse 2x-speed playback	Reverse 2x-speed playback	Reverse 4x-speed playback	Playback	
▲ button	pause	Canceling pause	Pause	Pause	Pause	Pause	Display backward picture (or Movie thumbnail)
▼ button	-	-	-	-	-	-	Display forward picture (or Movie thumbnail)
SET button	Stop(The display returns to the 1st frame playback)	Stop(The display returns to the 1st frame playback)	Stop(The display returns to the 1st frame playback)	Stop(The display returns to the 1st frame playback)	Stop(The display returns to the 1st frame playback)	Stop(The display returns to the 1st frame playback)	Playback
R Command dial	-	1-frame feed	-	-	-	-	Display forward picture (or Movie thumbnail)
L Command dial	-	Reverse 1-frame feed	-	-	-	-	Display forward picture (or Movie thumbnail)

Thumbnail Display

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. Set the mode dial to [▶] and power on the camera.
   - The last image frame appears on the LCD

monitor.

2. Press the [ ] button.

■ Nine images are displayed simultaneously.

3. Use the ▲, ▼, ◄ or ► button to move the cursor and select the image to be

displayed at regular size.

4. Press the **SET** button to display the selected image on the full screen.
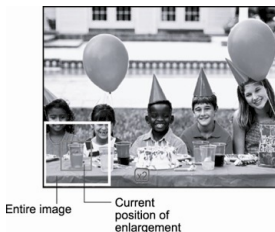
NOTE

■ In the thumbnail display mode, movie icon [ ] is displayed for the movie data.

Zoom Playback

The camera has 2x and 4x playback digital zoom function. While reviewing your images, you may enlarge a selected portion of an image. This magnification allows you to view fine details. Movies cannot be displayed using the zoom playback feature.

1. Set the mode dial to [ ] and power on the camera.

■ The last image frame appears on the LCD monitor.

2. Rotate the **COMMAND** dial or press the ▲ or ▼ button to select the frame you want to enlarge.

■ You can also select the image by the same operation as for thumbnail playback.

3. Adjust the zoom ratio by using the [ ] or [ ] button.

■ Pressing the [ ] button will enlarge the image.

■ To return to normal magnification, press

the [ ] button

■ The image is displayed enlarged, and a white frame and green frame are displayed on the LCD monitor.

■ The white frame indicates the entire image, while the green frame shows the location of the currently enlarged area.

4. Use the ▲, ▼, ◄ or ► button to select

the area to enlarge.

Entire image ── Current position of enlargement

■ Adjust the display area to enlarge while viewing the white and green frames.

5.   To return to the regular display, press the [444] button.

📝 NOTE

■ Pressing the [🔼] button magnifies the image from 1x ➡ 2x ➡ 4x.

■ Pressing the [444] button reduces the image from 4x ➡ 2x ➡ 1x.

Slideshow Display

The slideshow function enables you to playback your images automatically in sequential order as a slide show. This is a very useful and entertaining feature for reviewing recorded images and for presentation.

1.   Set the mode dial to [▶] and power on the camera.

     ■ The last image frame appears on the **LCD** monitor.
2.   Press the **MENU** button.
     ■ The menu screen appears.
3.   Select Slide Show by using the ▲ or ▼ button.
4.   Press the **SET** button.

     ■ The slideshow starts at 3 seconds interval and [🎞] is displayed on the **LCD** monitor.

     ■ To stop the slideshow display, press the **SET** button.
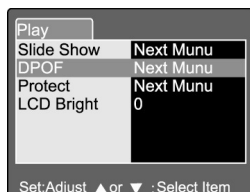
📝 NOTE

■ The Auto Power Off function does not operate during the slide show.

DPOF (Digital Print Order Format)

Print Information

DPOF is the abbreviation for Digital Print Order Format, which allows you to print the images directly from the DPOF-compatible printers by simply inserting the memory card into the printer and do the necessary settings.

1.   Set the mode dial to [▶] and power on the camera.

2.   Press the **MENU** button.
     ■ The menu screen appears.

Play	
Slide Show	Next Munu
DPOF	Next Munu
Protect	Next Munu
LCD Bright	0

Set:Adjust ▲ or ▼ :Select Item

3.   Select the "DPOF" by using the ▲ or ▼
      button and press the **SET** button.
      ■   You can select the Single or All option and
          press the **SET** button to confirm the
          selection.
4.   Print Number, Date and Print Enable appear.
      Use the ▲ or ▼ button to select one of them
      and press the **SET** button to confirm.

5.   Use the ▲, ▼, ◀ or ▶ button to make
      change and press the **SET** button to confirm.
      ■   The camera returns to Single/All submenu.
          To exit from the menu screen, press the **MENU** button.
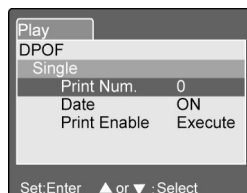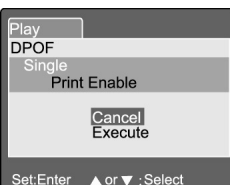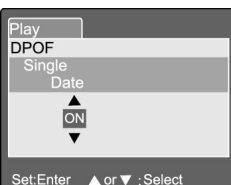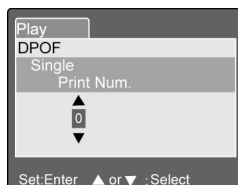
[Print Number] :   Select the image quantity from 1~9.
[Date] :   Select to print the date on the image or not.
[Print Enable] :   If you select "Cancel" and press the **SET** button to confirm,
                     all the settings will be deleted. If "Execute" is selected and
                     confirmed the camera will save the settings.

Protect

This function gives the image protection from erasing. Follow the steps below to perform the
protect functions.

1.   Set the mode dial to [▶] and power on the
      camera.
2.   Press the **MENU** button.
3.   Select the Protect by using the ▲ or ▼
      button and press the **SET** button.
4.   Protect submenu appears, including Single, All
      and Select. Use the ▲ or ▼ button to select
      one of them and press the **SET** button to
      confirm.
5.   Use the ▲ or ▼ button to select the desired setting and press the **SET** button.
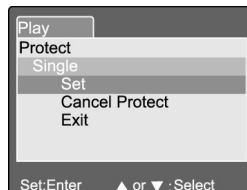
■ In Single/All submenu, use the ▲ or ▼ button to select the desired setting and press the **SET** button.

[Set]: The one image displayed on the LCD monitor is locked and [🔒] is displayed on the LCD monitor.

**[Cancel Protect]**: Cancel image protection.

[Exit]: Exit from the menu screen.

■ If "Select" is selected, thumbnail display appears on the LCD monitor. Use the ▲, ▼, ◄ or ► button to select the image and press the [I□I] button to select lock/unlock and press the **SET** button to confirm.

LCD Brightness

Adjust the brightness of the LCD monitor. This adjustment does not adjust the brightness of the image to be recorded. The LCD monitor's adjustment range is within –5 to +5.

1. Set the mode dial to [▶] and power on the camera.

2. Press the **MENU** button.
    ■ The menu screen appears.
3. Select the "LCD Bright." by using the ▲ or ▼ button and press the **SET** button.
4. Use the ▲ or ▼ button to select the desired setting and press the **SET** button.

```
Play
LCD Bright.
        ▲
        0
        ▼


Set:Enter      ▲ or ▼ : Select
```
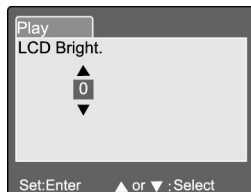
LCD Monitor Display (Playback Mode)

The [I□I] Display button can switch the display on the LCD monitor when playing back photographed images. You can switch the display to show a list of detailed information.

1. Set the mode dial to [▶] and power on the camera.

2. Rotate the **Command** dial or press or button to select the image.

3. Press the [I□I] button.

    ■ Each press of the [I□I] button switches the display format as follows:

        Standard ──────► Image only ──────► Detailed information

NOTE

■ This function is not available for movie image playback.

ERASING IMAGES [🗑]

The [🗑] button provides to erase image file. While pressing [🗑] button during monitoring mode, the latest image data and erase menu appears on the LCD monitor.

1. Set the mode dial to [▶] and power on the camera.

2. Press the [🗑] button.
    ■ The Delete menu is displayed on the LCD monitor.
3. Use the ▲ or ▼ button to select the Delete sub-menu (Single/All/Select).
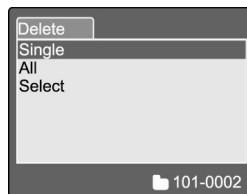
Erasing Single Image

Single: Erase this image.
   a. Select **[Single]** and press the **SET** button to confirm the selection.
       ■ "Delete This Picture?" sub-menu is displayed on the LCD monitor.
   b. Use the ▲ or ▼ button to select Execute/ Cancel.
       [Execute]:   Erase this image.
       [Cancel]:   Cancel the deletion
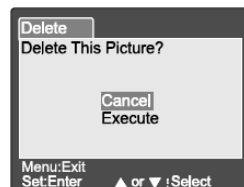   c. Press the **SET** button to confirm the setting.

Erasing All Image

All: Erase all image.
   a. Select **[All]** and press the **SET** button to confirm the selection.
       ■ "Delete All Picture?" sub-menu is displayed on the LCD monitor.
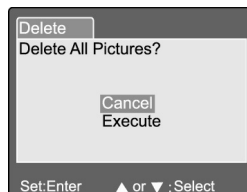   b. Use the ▲ or ▼ button to select Execute/ Cancel.
       [Execute]:   Erase this image.
       [Cancel]:   Cancel the deletion

c. Press the **SET** button to confirm the setting.

Erasing Selected Image

Select: Erase the selected image.
   a. Select **[Select]** and press the **SET** button to confirm the selection.

   ■ Thumbnail display and [🗑] appear on the LCD monitor.

   b. Use the ▲, ▼, ◀ or ▶ button to select the image you want to erase and press the [🗑] button to confirm the selection.

   ■ [🗑] icon appears on the selected image.

   c. Press the **SET** button to confirm deletion.

📝 NOTE

■ Images cannot be erased when they are protected or the SD Memory Card is write-protected.
■ This function is available for all modes except for PC and SET-UP modes.

SET-UP MODE

This feature allows you to set up the default settings for using your camera in addition to image-related settings. You can select your personal preferences for the camera by this mode.

Basic Setting

The Basic Setting contains 6 items:
Card Information, Frame Number Reset, Format, Sound, Beep and Auto Power Off.
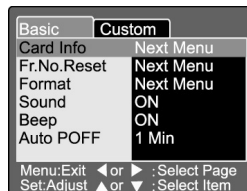
Card Information

Display the total and remaining memory size of the inserted SD Memory Card.
1. Set the mode dial to [**SET-UP**] and power on the camera.
2. Use the ▲ or ▼ button to select Card Info.
3. Press the **SET** button.
   ■ Card Information will be displayed.
4. Press **SET** button once again to exit.

```
Basic   Custom
Card Info

Card Size    6MB
Remain       1MB

Set Exit
```
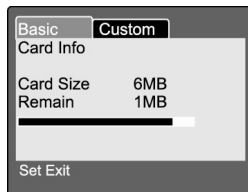
Frame Number Reset

Reset the frame number.
Default reset: Folder number is 100 and file number is 0001.
1. Set the mode dial to [**SET-UP**] and power on the camera.
2. Use the ▲ or ▼ button to select Fr. No. Reset.
3. Press the **SET** button.
   ■ Frame Number Reset menu is displayed on the LCD monitor.
4. Use the ▲ or ▼ button to select Execute/Cancel.
   [Execute]: Reset the frame number.
   [Cancel]: Does not reset the frame number.
5. Press the **SET** button to confirm the setting.

```
Basic   Custom
Frame Number Reset

        Cancel
        Execute

Set:Enter      ▲ or ▼ : Select
```
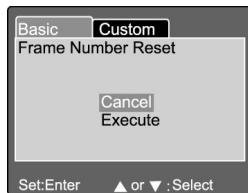
📝 NOTE

■ If folder already exists on SD Memory Card, it assigns older number to the existing folder.

Format

Formatting erases all images and reformats the SD Memory Card loaded in your camera. Protected images are also erased. SD Memory Card cannot be formatted if it is write-protected.
1. Set the mode dial to **[SET-UP]** and power on the camera.
2. Use the ▲ or ▼ button to select Format.
3. Press the **SET** button.
   "Format SD card" menu is displayed on the LCD monitor.
4. Use the ▲ or ▼ button to select Execute/Cancel.
   [Execute]: Format the memory card.
   [Cancel]: Does not format the memory card.

```
Basic   Custom
Format SD Card

        Cancel
        Execute

Set:Enter      ▲ or ▼ : Select
```
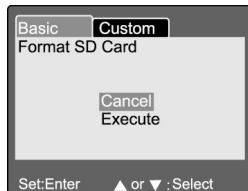
5.   Press the **SET** button to confirm the setting.

Sound

Set the sound ON/OFF.
1.   Set the mode dial to **[SET-UP]** and power on
      the camera.
2.   Use the ▲ or ▼ button to select Sound.
3.   Press the **SET** button.
      ■   The pull down menu for Sound is displayed
          on the LCD monitor.
4.   Use the ▲ or ▼ button to select the desired
      sound setting.
      [**ON**]:   Enable the sound setting.
      [**OFF**]: Disable the sound setting.
5.   Press the **SET** button to confirm the setting.

```
Basic    Custom
Card Info        Next Menu
Fr.No.Reset      Next Menu
Format           Next Menu
Sound            ON
Beep             OFF
Auto PoFF        1Min

Menu:Exit  ◄ or ►  :Select Page
Set:Adjust ▲ or ▼  :Select Item
```

Beep

Set the beep ON/OFF.
1.   Set the mode dial to [**SET-UP**] and power on
      the camera,
2.   Use the ▲ or ▼ button to select Beep.
3.   Press the **SET** button.
      ■   The pull down menu for Beep is displayed
          on the LCD monitor.
4.   Use the ▲ or ▼ button to select ON/OFF.
      [**ON**] :   Enable the beep setting.
      [**OFF**] :   Disable the beep setting.
5.   Press the **SET** button to confirming the setting.

```
Basic    Custom
Card Info        Next Menu
Fr.No.Reset      Next Menu
Format           Next Menu
Sound            ON
Beep             ON
Auto POFF        OFF

Menu:Exit  ◄ or ►  :Select Page
Set:Adjust ▲ or ▼  :Select Item
```
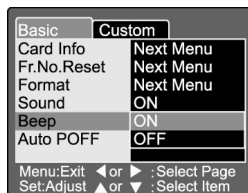
Auto Power Off

In case no buttons is pressed for a certain period of
time while power on, the camera turns off
automatically to conserve power. The default value is
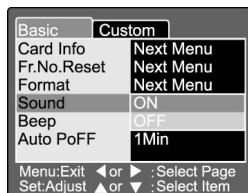1 minute.
1.   Set the mode dial to [**SET-UP**] and power on
      the camera.
2.   Use the ▲ or ▼ button to select Auto POFF.
3.   Press the **SET** button.
      ■   The pull down menu for Auto Power Off is displayed on the LCD monitor.
4.   Use the ▲ or ▼ button to select the desired time setting.
      [1 Min]: If no operation is carried out for 1 minute, Auto power off is activated (default).
      [2 Min]: If no operation is carried out for 2 minutes, Auto power off is activated.
      [3 Min]: If no operation is carried out for 3 minutes, Auto power off is activated.

```
Basic    Custom
Card Info        Next Menu
Fr.No.Reset      Next Menu
Format           Next Menu
Sound            ON
Beep             1 Min
Auto POFF        2 Min
                 3 Min

Menu:Exit  ◄ or ►  :Select Page
Set:Adjust ▲ or ▼  :Select Item
```
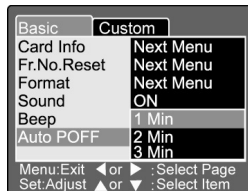
5.   Press the **SET** button to confirm the setting.

Custom Setting

The Custom Setting contains 5 items: Date/Time, System Reset, Language, Video Output and System Information.

Date/Time

Set the Date and Time.
1.   Set the mode dial to [**SET-UP**] and power on the camera.
2.   Use the ▲ or ▼ button to select Date/Time.
3.   Press the **SET** button.
       ■   The Date/Time menu is displayed on the LCD monitor.
4.   Use the ◀ or ▶ button to select the item to set.
5.   Use the ▲ or ▼ button to set the value for each item.
6.   Press the **SET** button to confirm the setting after all item values are set.
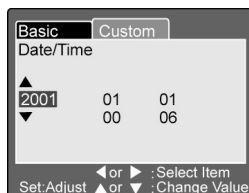
System Reset

Set all the parameter to default settings.
1.   Set the mode dial to [**SET-UP**] and power on the camera.
2.   Use the ▲ or ▼ button to select System Reset.
3.   Press the **SET** button.
       ■   The System Reset menu is displayed on the LCD monitor.
4.   Use the ▲ or ▼ button to select Execute/Cancel.
       [Execute]:   Return to default setting.
       [Cancel]:   Retain the current setting.
5.   Press the **SET** button to confirm the setting.

📖 **NOTE**

■   Date/Time cannot be reset.

Language

Set the on-screen display language.
1. Set the mode dial to [**SET-UP**] and power on the camera.
2. Use the ▲ or ▼ button to select Language.
3. Press the **SET** button.
   ■ The pull down menu for Language is displayed on the LCD monitor.
4. Use the ▲ or ▼ button to select the desired OSD language.
5. Press the **SET** button to confirm the setting.
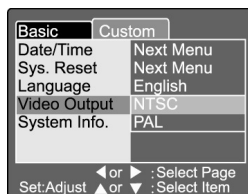
Basic	Custom
Date/Time	English
Sys. Reset	Français
Language	Deutsch
Video Output	Español
System Info.	日本語
	繁体中文
	简体中文

Menu:Exit ◀ or ▶ Select Page
Set:Adjust ▲ or ▼ Select Item

Video Output

Set the video output system according to the country in which your camera used.
1. Set the mode dial to **[SET-UP]** and power on the camera.
2. Use the ▲ or ▼ button to select Video Output.
3. Press the **SET** button.
   ■ The pull down menu for Video Output is displayed on the LCD monitor.
4. Use the ▲ or ▼ button to select the desired setting.
   [NTSC] : NTSC system.
   [PAL] : PAL system.
5. Press the **SET** button to confirm the setting.

Basic	Custom
Date/Time	Next Menu
Sys. Reset	Next Menu
Language	English
Video Output	NTSC
System Info.	PAL

◀ or ▶ : Select Page
Set:Adjust ▲ or ▼ : Select Item

System Information

Display the camera firmware version.
1. Set the mode dial to [**SET-UP**] and power on the camera.
2. Use the ▲ or ▼ button to select System Info.
3. Press the **SET** button.
   ■ The camera firmware version is displayed on the LCD monitor.
4. To return to main menu, press the **SET** button.

Basic	Custom
System Info.	

System Information
Version   0.035

Set:Exit
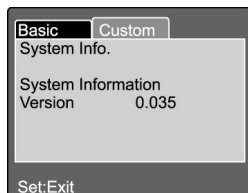
TRANSFERRING RECORDED IMAGES TO YOUR COMPUTER

You can share recorded images/video clips with your family or friends via e-mail or post them on

the Web. Before doing this, you need to connect the camera to your computer by using the USB cable and then transfer the images/video clips.

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

Step 1: Install the USB driver (only for Windows 98)

Step 2: Connecting the camera to your computer

Step 3: Downloading images/video clips

	System requirements (Windows)	System requirements (Macintosh)
CPU	Pentium 166 MHz processor or higher	PowerPC G3/G4
OS	Windows 98/98SE/Me/2000/XP	OS 8.6 or later
Memory	32MB RAM (64MB recommended)	32MB RAM (64MB recommended)
Free Space on Hard Disk	128MB hard disk space	128MB hard disk space
Required Devices	A CD-ROM drive, An available USB port	A CD-ROM drive, An available USB port
Color Monitor	Color monitor (800x600, 24-bit or higher recommended)	Color monitor (800x600, 24-bit or higher recommended)

Step 1: Installing the USB driver on Windows computers

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

1. Insert the CD-ROM packaged with the camera into the CD-ROM drive. The welcome screen appears.
2. Click "Install USB Driver". Follow the onscreen instructions to complete the installation.
3. After the USB driver installation is complete, restart your computer.

Installing the USB driver on Macintosh computers

Mac OS 8.6 users must install a USB driver. For Mac OS 9.0 or higher, the computer will

automatically recognize the camera and load its own USB drivers.

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

2. Select and double-click "Digital Camera Driver Installer".

3. Select "Install Location" and click "Install".

4. Follow the on-screen instructions to complete the installation and restart your computer.

Step 2: Connecting the camera to your computer

1. Set the mode dial to **PC** mode.
2. Connect one end of the USB cable to an available USB port on your computer.
3. Connect the other end of the USB cable to the USB
   connector on the camera.
4. Turn the camera on.
5. From the Windows desktop double click on "My
   Computer".
   Look for a new "removable disk" icon appearing in the
   "My Computer" window.
   Your recorded images/movies will be in a folder on this
   "removable disk".
   (For Mac users, double-click the "untitled" disk drive on
   the desktop.)
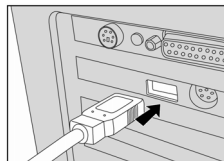
Step 3: Downloading images/video clips

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

For computers running Windows

Open the "removable disk" by double-clicking on it. Double-click on the folder that contains your recorded images/video clips. Select the images/video clips that you prefer and choose "Copy" from the "Edit" menu. After that, open the destination location and choose "Paste" from the "Edit" menu.

For computers running Mac OS

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

📝 **NOTE**

• Memory card users may prefer to use a memory card reader (highly recommended).

INSTALLING PHOTOSUITE

PhotoSuite is a very user-friendly image-editing program. With PhotoSuite, you can easily 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

1. Inset the CD-ROM packaged with the camera in to 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.

• PhotoSuite is not supported on the Mac.

INSTALLING PHOTOVISTA

PhotoVista is an easy-to-use program that lets you create spectacular 360^0 panoramic images in a snap. When you view these panoramas, you 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 360^0 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.
- PhotoVista is not supported on the Mac.
- Windows XP users who have not installed XP Service Pack 1, be sure to link to **http:java.sun. com/getjava/download.html** first and download the Java Virtual Machine installation. For more information about Java, please refer to its on-line help at **http://java.sun.com/getjava/help.html** After this Java installation, you can install iSee Media PhotoVista.
- PhotoVista System Requirements are:
  * Windows 98, Windows NT 4 (Service Pack 3 or higher)
  * Windows 2000, Windows Me, Windows XP Service Pack 1 or higher

CONNECTING THE CAMERA TO OTHER DEVICES
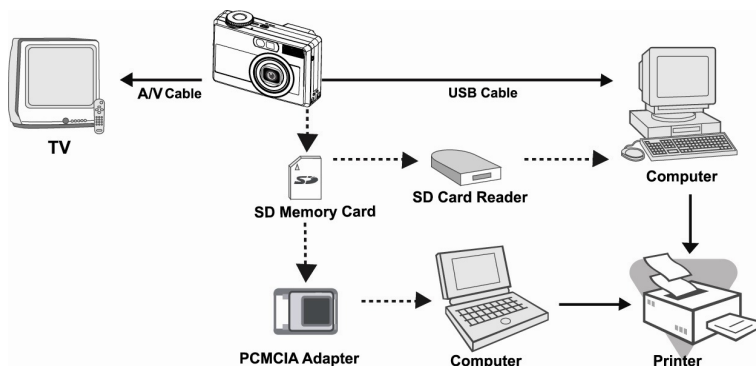
CAMERA SPECIFICATIONS

Item	Description
Image sensor	1/1.8" CCD 5.25 mega pixels
LCD monitor	1.5" full color TFT
Optical viewfinder	Real image viewfinder
Image quality	Fine/Standard/Economy
Image resolution	<Still image> 2560x1920, 2048x1536, 1280x960, 640x480 <Movie image> 320x240, 160x120
Image storage	SD Memory Card (up to 512MB)
Image file format	DCF, DPOF, EXIF
Lens	f =7.2mm~21.6mm , F=2.8~4.7
Focus range	0.30m ~infinity (Macro Tele) 0.09m~infinity (Macro Wide) 0.80m~infinity (Standard)

Focusing	Auto-focus
Shutter speed	8sec~1/1500 sec
Image capturing	Single/Continuous/Auto exposure
Digital zoom	4x (Capture mode) , 2x and 4x (Playback mode)
Exposure	Program/Tv/Av/Manual/Portrait/Sports/Night scene
Exposure compensation	-2EV~+2EV
White balance	Auto/Incandescent/Fluorescent 1/ Fluorescent 2/ Day light/Cloudy/Manual
Flash	Auto/Red-eye forced flash/ Suppressed flash/ Forced flash
Flash effective range	0.5m~3.0m
ISO sensitivity	100~400 (Auto) 100/100-200/100-400 (Except Auto)
Self-timer	10 sec/2sec/10+2 sec/Interval
Video output	640x480 (Playback mode) , NTSC/PAL
Terminal	DC IN terminal/USB terminal/A/V OUT terminal
Power supply	Lithium Ion battery or AC adapter (5V)
Dimension (WxDxH)	94x63x35mm (without protruding parts)
Weight	Approx. 180g (without battery)