




## FCC Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in commercial 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, detectable by turning the equipment in question 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 distance between the equipment and the receiver
- Connect the equipment to an outlet on a different circuit than that which the receiver is connected to
- Consult the dealer or an experienced radio/TV technician for help

## NOTE



A shielded-type DC power cable incorporated with a ferrite core is required in order to meet the FCC emission limits and also to prevent interference to the nearby radio and television reception.

Use only shielded I/O cable incorporated with a ferrite core to connect this equipment to host computer and TV set. Shielded AC power cable and shielded I/O cables are required in order to meet the FCC emission limits. It is essential that only the supplied power cord and I/O cable (s) can be used.



## WARNING

- ⊘ Do not use this 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 states.  
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 your local authorized service facility and request repairs. Never attempt to repair this camera by yourself as this is dangerous.
- ⊘ Do not use the camera if any water has entered the camera.  
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 your local authorized service facility.  
Do not continue to use the camera as this may cause a fire or an electrical shock.
- ⊘ Do not use the camera if any foreign objects have entered the camera.  
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 your 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 your 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 insert or drop metallic or inflammable foreign objects into the camera through access points such as the memory card slot.  
This may cause a fire or an electrical shock.



## WARNING

- ⊘ Do not attempt to modify this camera.  
This may cause a fire or an electrical shock.

- ⊘ Do not remove the camera casing.

This may cause an electrical shock.

Internal inspection, maintenance and repairs should only be carried out by your dealer or local authorized service facility.

- ⊘ Avoid using this camera in the bathrooms.

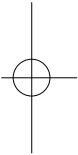
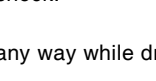

Exposure to excessive moisture may cause a fire or an electrical shock.

- ⊘ Do not touch the power plug during a thunderstorm if you are using the AC power adapter.

This may cause an electrical shock.

- ⊘ Never operate this camera in any way while driving a vehicle.

This may cause a traffic accident.



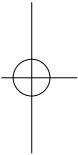

## CAUTION

- ⚠ Do not place this camera in damp or dusty locations.  
This may cause a fire or an electrical shock.
- ⚠ Do not place this 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 leave this camera in a location subject to extremely high temperatures, such as in a sealed vehicle or in direct sunlight.  
Exposure to high temperatures may adversely affect the camera case and internal components and may cause a fire.
- ⚠ 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 handling the camera, always unplug it from the power source (batteries or 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 may result in an electrical shock.
- ⚠ When leaving the camera unused for long periods, such as during a vacation, always unplug the camera from the power source (batteries or 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 camera.)  
Failure to do so could result in a fire.
- ⚠ Do not use batteries other than those specified for use with your 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 fitting batteries into the camera, check the polarity markings on the battery ( - and + ) to ensure that 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.



# TABLE OF CONTENTS

<b>8</b>	<b>INTRODUCTION</b>
8	Package Contents
<b>9</b>	<b>PREPARING THE CAMERA</b>
9	Getting to Know the Camera
9	Names of Parts
10	Dial Knob
10	Attaching the Strap
11	Preparing Power Supply
11	Loading Batteries
11	Using the Power Adapter
12	Inserting/Removing the Memory Card
12	Inserting a Memory Card
12	Removing a Memory Card
<b>13</b>	<b>GETTING STARTED</b>
13	Turning the Camera On/Off
13	Checking Batteries
13	Turning the LCD Monitor On and Off
14	Formatting the Memory Card
14	Memory Card Indicator
<b>15</b>	<b>CAMERA OPERATION</b>
<b>15</b>	<b>CAPTURE MODE</b>
15	LCD Monitor Display
15	Icon Indicator
16	LCD Button
16	Taking Pictures
16	Number of Recordable Images
17	Zoom Control
17	Optical Zoom
17	Digital Zoom



18	Selecting the Scene Program
19	Focus Mode Setting
19	Selecting the Flash Mode
20	Self-timer Photography
<b>21</b>	<b>CAPTURE MENU</b>
21	Navigation Buttons
21	Mode
22	Quality
22	ISO Sensitivity
22	Exposure
23	White Balance
23	Photometry
24	AE Mode
<b>25</b>	<b>MOVIE MODE</b>
25	LCD Monitor Display
25	Icon Indicator
25	LCD Button
26	Recording Video Clips
<b>27</b>	<b>MOVIE MENU</b>
27	Exposure
27	White Balance
<b>28</b>	<b>PLAYBACK MODE</b>
28	LCD Monitor Display
28	Still Image
28	Icon Indicator
28	Video Clip
29	LCD Button
30	Playback Single Image
30	Viewing Video Clips
31	Thumbnail Display
31	Zoom Playback
32	Slideshow Display
32	Viewing Images on a TV Monitor

**33**

**PLAYBACK MENU**

- 33 Erase All Images
- 34 Erase Single Image
- 35 Protect
- 36 Print Setting
- 37 Slide Show

**38**

**SETUP MENU**

- 38 Date Setting
- 39 Card Formatting
- 39 Language
- 39 LCD Brightness
- 39 Beep
- 40 Auto Shut Off
- 40 Video Out

**41**

**TRANSFERRING PICTURES TO THE COMPUTER**

- 41 System Requirements
- 41 Installing the Software (Driver & Image Application)
- 41 Connecting the Camera to Your Computer
- 42 Downloading Pictures

**43**

**Warning and Error Messages**

**44**

**SPECIFICATIONS**

## INTRODUCTION

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Congratulations on your purchase of the new digital camera.

Capturing high-quality digital pictures is fast and easy with this state-of-the-art smart camera. Equipped with a 4.0 Megapixel CCD, this camera is capable of capturing pictures with a resolution of up to 2272 x 1704 pixels.

Other cool features provided by the camera include the following:

**LCD Monitor** - The 1.6" full-color LCD at the back of the camera makes it easy to frame your subject when taking pictures. It also displays a preview of the pictures you have taken.

**Digital Zoom** - Zoom in 2x and get a larger, closer view of the subject (in Capture mode).

**Macro Mode** - Take pictures of people portrait or objects at close range using Macro mode.

**Flexible Flash Settings** - Change the flash setting according to your lighting environment.

**Camera Settings** - Have more control over picture quality by adjusting settings such as White Balance, EV Compensation, Resolution, and more.

**Thumbnail View** - Display in sets of nine pictures on the LCD for easier and quicker selection of pictures.

**TV Connection** - View pictures on a television monitor while browsing through your pictures.

## Package Contents

- 1 x Traveler D1 Digitacamera
- 1 x Traveler pouch
- 1 x strap
- 1 x Traveler 64 MB SD memory card
- 2 x Traveler 1800mAH 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
- 1 x Traveler Driver CD including MGI Software






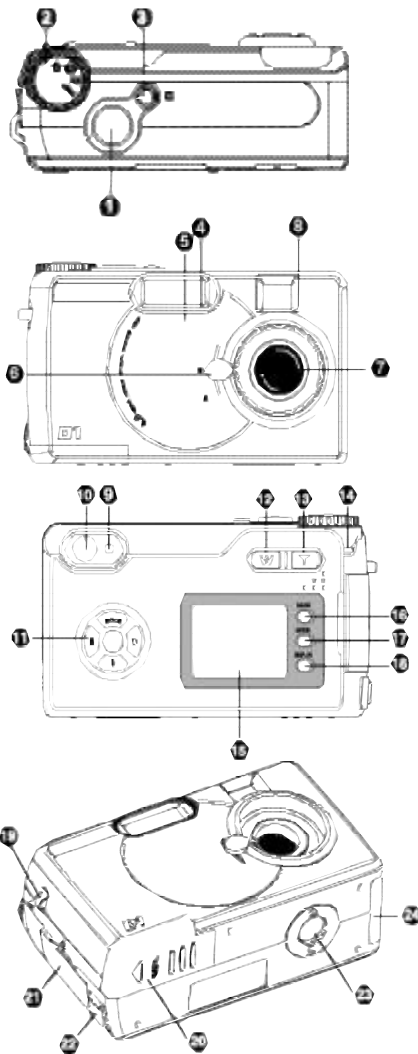
## PREPARING THE CAMERA

This section introduces you to the digital camera. Follow the instructions in this section to install batteries, use the power adapter, and install a memory card.

### Getting to Know the Camera

#### Names of Parts

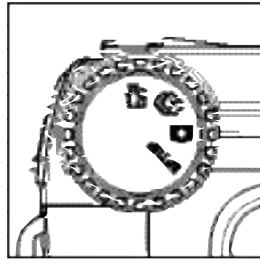
1. Shutter button
2. Dial knob
3. Power button
4. Built-in flash
5. Self-timer LED
6. Lens cover knob
7. Lens/Lens cover
8. Viewfinder
9. Viewfinder LED
10. Optical viewfinder
11. Navigation buttons
  - ▲ / MODE button
  - ▼ /  button
  - ◀ /  button
  - ▶ /  button
12. WIDE button
13. TELE button
14. Card access LED
15. LCD monitor
16. Menu button
17. ENTER button
18. LCD button
19. Strap attachment
20. Battery cover
21. Card cover
22. USB port
23. Tripod socket
24. Terminal cover
  - Video port
  - Adapter port




Ελληνικά / English


# User's Manual


## Dial Knob



It also allows you to choose from four camera modes:

**Capture mode** (  ) – This mode enables taking pictures and stores pictures on the memory card.

**Movie mode** (  ) – This mode enables you to record video clips.

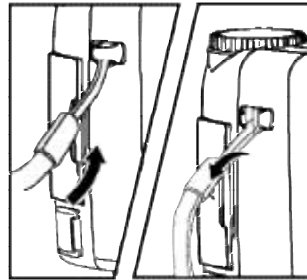
**Playback mode** (  ) – This mode enables you to view pictures you have taken.

**Setup mode** ( **SETUP** ) – This mode sets basic camera settings such as Date Setting, Card Formatting, Language, LCD Brightness, Beep, Auto Shut Off and Video Out.

## Attaching the Strap

To attach the strap to the camera:

1. Insert the thin end of strap into the strap attachment.
2. Pass the other end of the strap through the loop of thin cord and pull the strap tight.



## PREPARING THE CAMERA

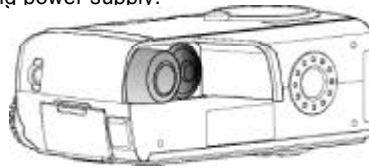
### Preparing Power Supply

Always turn off the camera's power before changing power supply.

#### Loading Batteries

To load the batteries into the camera:

1. Open the battery cover.
2. Load batteries in the battery compartment.  
Make sure they are loaded in their polarity as shown inside the battery compartment.
3. Close the battery cover. Make sure that the battery cover is firmly closed.

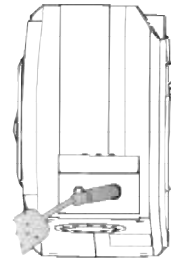


#### Note:

- It is recommended to use either two AA size Ni-MH rechargeable or one CR-V3 for battery power supply.
- If you are not going to be using the camera for an extended period of time, you should remove the batteries to prevent leaks or corrosion.
- Do not use a mix of different types, manufactures, classification of batteries.
- Low temperatures (under 0°) may reduce the output efficiency of batteries, thereby shortening the operation time of camera.

#### Using the Power Adapter

1. Open the terminal cover and connect one end of the power adapter to the adapter port (DC IN 3.4V) as illustrated.
2. Connect the end of the power adapter to a power outlet.



#### Note:

- Only use the AC adapter specified for this camera. Use of any other power source may cause damage to the camera and possibly start a fire.
- Grasp the adapter, not the cord, when unplugging the adapter from a wall socket.
- If the power cord becomes damaged (exposed or severed wires, etc.), please purchase a new AC adapter. Use of a damaged cord may cause fire or electrical shock.
- Switch off and disconnect the camera from the AC adapter before unplugging it from the wall socket.

## Inserting/Removing the Memory Card

Always turn off the camera's power and confirm the card access LED is off before inserting/removing the memory card, otherwise the card may be damaged. You can use either the SD card (Secure Digital Memory Card) or the MMC(Multi Media Card).

### Inserting a Memory Card

Your camera can store pictures on a removable memory card. Make sure a memory card is inserted into the camera before you start taking pictures.



To insert a memory card into the camera:

1. Press the power button to turn off the camera's power.
2. Open the card cover.
3. Insert the memory card. The front side of memory card (printed arrow) and the front side of the camera should face in the same direction.
4. Close the card cover. Make sure that the card cover is firmly closed.

#### Note:

- Before you use the new memory card for the first time, be sure to format the memory card.
- Do not use force when inserting memory card. Damage may occur to the connector section.
- The storage capability of the memory card will diminish with extended use. It may be necessary to purchase a new card periodically.

### Removing a Memory Card

To remove a memory card from the camera:

1. Press the power button to turn off the camera's power.
2. Open the card cover.
3. Push the memory card in as far as it can go, and pull it out with your fingers. If you push memory card once in as far as it can go, it will protrude slightly. Pull it out with your fingers.
4. Close the card cover. Make sure that the card cover is firmly closed.

#### Warning:

- Never open the card cover or remove the memory card while data is being recorded to the memory card (card access LED lights). This might damage the memory card or corrupt the data on the memory card.
- Improper use of the memory card may cause data loss or damage. It is recommended to make a back up copy of any important data in another storage media, such as hard disk, CD-ROM, etc.
- Keep away foreign objects from the terminal section.
- Keep away from static electricity and electromagnetic fields.
- Do not bend, drop or apply excessive force.
- Keep away from heat, moisture and direct sunlight while using and for storage.



## GETTING STARTED


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Once you have installed batteries or connected a power adapter and inserted a memory card into the camera, you are ready to use the camera.

### Turning the Camera On/Off

You can turn camera on or off by pressing power button.

### Checking Batteries

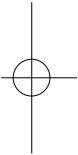
Located on the LCD monitor, the low battery indicator will be displayed if the battery is weakened with the  icon while the camera is on. The number of pictures that can be taken varies according to the performance and usage conditions of the batteries. Power is consumed by the following operations even when not recording and these will reduce the number of images that can be recorded.

- Repeated focus operations by pressing the shutter button halfway
- Repeated zoom operations
- Extensive of the LCD monitor in the Playback mode
- Communication with a PC



#### Note:

It is recommended that you do not use the Flash or Auto-Flash features while battery power is low.

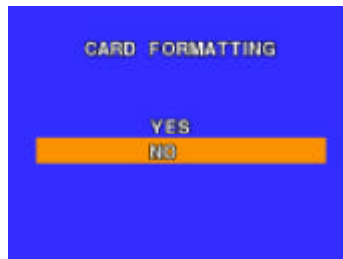


### Turning the LCD Monitor On and Off

To turn the LCD monitor off or back on, just toggle the LCD button. Since the LCD monitor consumes battery power fast, you may temporarily turn off the LCD monitor and use optical viewfinder instead when taking pictures.

## Formatting the Memory Card

In most cases, you can directly use a newly purchased memory card to store pictures. But to avoid any possible problems, it is recommended that a new memory card be formatted first before using it.



1. Set the dial knob to SETUP.  
 The main menu of the setup mode is displayed on the LCD monitor.
2. Press the ▲ or ▼ button to choose CARD FORMATTING, and press the ENTER button.
3. To format a memory card, select YES with the ▲ or ▼ button, and press the ENTER button again to confirm.

### Warning:

- If the memory card contains pictures, all files, including protected picture files, will be deleted when the memory card is formatted. The deleted files cannot be recovered. Memory card cannot be formatted if it is write-protected.
- The card access LED lights while the camera is accessing the memory card. (Recording, reading and erasing the image data)

### Memory Card Indicator

ICON on LCD MONITOR	STATUS
	No card
	Unknown card
	Card full
	No Image


## CAMERA OPERATION

The camera can capture the image and stores it on the memory card in Capture mode ( ). In addition to still images, you can record short videos using the movie function. The camera shows the preview image on the LCD monitor. To adjust the current setting, switch the dial knob to appropriate mode and press the menu button.

## CAPTURE MODE

Switch the dial knob to , the camera enables you to capture the image and stores it on the memory card. You can frame subjects using either the optical viewfinder or 1.6" full color LCD monitor. The camera provides such shooting modes as a single image shot and burst shot (up to 3 images), in 3x optical and 2x digital zooming.

### LCD Monitor Display



The diagram shows a camera's LCD monitor displaying a scene of a golfer on a green. The screen is overlaid with various icons and information. A legend titled 'Icon Indicator' lists 16 items corresponding to the icons on the screen:

- 1. Scene Program
- 2. Focus Mode
- 3. AE Mode
- 4. Photometry
- 5. White Balance
- 6. Shot Mode
- 7. Date
- 8. Battery
- 9. Self-timer
- 10. Digital Zoom
- 11. Exposure Compensation
- 12. ISO Sensitivity
- 13. Flash Mode
- 14. Quality
- 15. Number of images can be stored
- 16. Card Status

#### Note:

- The number that how many images can be stored will not appear while the "No Card" or "Unknown Card" icon is displayed on the screen.
- The icons of the Focus, AE, Photometry and White Balance appear only when the scene program is "Standard".
- The icons of Self-timer, Digital Zoom and EV appear only while each function is applied to the preview images.





## CAPTURE MODE

### LCD Button

Each press of the LCD button switches the display format as follows:

→ **ICON OFF → LCD OFF → LCD and ICON ON** →

### Taking Pictures

1. Make sure that a memory card is properly inserted.
2. Press the power button to turn on the camera's power.  
Open the lens cover beforehand.
3. Set the dial knob to .
  - Toggle the **MODE** button to select the desired scene program (refer to page 18).
  - Toggle the  button to select the desired flash mode (refer to page 19).
  - Toggle the  button to select the desired focus mode (refer to page 19).
  - Press the  button to toggle self-timer on/off (refer to page 20).
4. Look at the image on the LCD monitor or optical viewfinder to compose the picture.  
Press the **WIDE/TELE** button to set the subject size and image composition.
5. Press the shutter button down half way, and press it down fully .
  - Pressing the shutter button down half way adjusts the exposure, and pressing the shutter button down fully takes the shot.
  - The viewfinder LED always lights when the camera is ready.
  - The card access LED lights while image data is being recorded onto the memory card.

### Note:

The warning message "OPEN THE LENS COVER" if the lens cover is closed in the capture mode.

### Number of Recordable Images

All images are stored on a memory card inserted in the camera. The camera does not have any resident memory for the image storage. The total number of stored images is varied with the free space of the card, the mixture of the image quality modes, and also the complexity of the subject. The following are examples of the roughly estimated file size and the reference number to be displayed on the LCD monitor in the still capture mode after the camera formats the card.

IMAGE QUALITY	16MB	32MB	64MB	128MB
Fine	11	23	48	97
Standard(STD)	22	47	96	195
Basic	34	72	149	301
Economy (Eco)	129	270	553	1118



## Zoom Control

This camera features two types of zooming, optical zooming (3x) and digital zooming (2x).

### Optical Zoom


1. Press hold the WIDE button, it will move the lens towards to the wide-angle position, which means zooming away from your subject.
2. Press hold the TELE button, it will move the lens towards the telephoto position, which means zooming in your subject.

### Digital Zoom

If you want your subject to appear larger and closer when the picture is taken, use your camera's Digital Zoom feature. Your digital camera provides 2x Digital Zoom.



To use Digital Zoom, the LCD monitor is required.

1. Toggle the LCD button to turn on the LCD monitor.
2. Press hold the TELE button to zoom in your subject until the maximum TELE position, and then release the button. Press the TELE button once again, it will advance to 2x digital. Digital zoom is indicated by  icon on the LCD monitor.
3. Press the shutter button halfway down to lock in the auto focus and exposure, and then press the shutter button all the way down to take the picture.

## Selecting the Scene Program

The camera provides three scene program modes besides the standard mode, which are Landscape mode, Portrait mode and Night View mode. Toggle the **MODE** button to select the desired Scene program.

### Portrait mode



Suitable for portrait shot of person. The background get slightly blurred and a subject becomes in-focus in this mode. The camera automatically sets the proper shooting conditions.

### Landscape mode



Suitable for shot of the landscape. Please choose this program to take a picture for both your subject and the background in focus.

### Night view mode







Suitable for shot of a night view. The camera sets the slower shutter speed, even though the camera fires the flash. Since this may result in the image becoming handshaken, use of a tripod is recommended.

### Note:

For standard mode, there is no indicator for the icon on the LCD monitor.

## Focus Mode Setting


Toggle the  button to select the desired focus mode.

Focus Mode	Icon Indicator	Focusing Range
Auto Focus		70cm to infinity
Macro		10cm to 70cm (WIDE) 25cm to 70cm (TELE)
Infinity		Infinity

### Note:

The auto focus operation activates when the shutter button is pressed halfway in AF mode and Macro mode. The focus is locked as long as this button is kept pressing. The image is captured when the shutter button is fully pressed.

## Selecting the Flash Mode

Toggle  button to select Auto flash, Fill-in, Flash Off, Auto flash with Red-eye reduction until the desired mode is displayed on the LCD monitor.

### Auto Flash mode

When recording in a dark place condition, the camera will automatically determine whether the flash is necessary.

### Fill-In Flash mode

Used to soften dark shadows on the face of the subject due to backlight, strong direct light or sunlight. The flash will always be used regardless the surrounding brightness.

### Flash Off mode

Used when recording in a place where flash photography is prohibited, or when utilizing the night view or indoor lightning for recording. The flash will always be off during recording. Under low light conditions, the shutter speed will become slow. Since this may result in the image becoming blurred, use of a tripod is recommended.


### Red-eye reduction mode(RER)




Pre-flash is performed before the main flash to reduce the red-eye; an effect caused by light reflected from the retina. Use in low light conditions when photographing people or animals. The pre-flashes contract the pupils of the subject's eyes.

### Note:

- The red-eye reduction may have little effect if the subject is not directly facing the pre-flash or main flash, or when there is some distance between the camera and the subject.
- The flash turns off automatically when you select burst mode in shot mode.

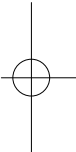

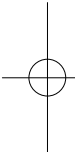
### Self-timer Photography

The camera can be set with 10 seconds delayed shutter. Press the  button to toggle the self-timer on/off. The camera start counting the time and the self-timer LED turns on when a user fully pressed the shutter button. The self-timer LED lights steadily for 7 seconds and then blinks another 3 seconds, after which the shot is taken.


1. Set the dial knob to .
2. Toggle the  button to turn on the self-timer function.  
It is indicated by  icon on the LCD monitor.
3. Press the shutter button.
4. After 10 seconds, an image is captured and the timer will turn itself off.

#### Note:

The self-timer operation will be cancelled when you press the shutter button again while the self-timer is processing.



## CAPTURE MENU

By pressing the menu button in Capture mode , the following Menu 1 is displayed, when the Standard scene program is selected at Scene program. When the other is selected at the program, the following Menu 2 is displayed. The Scene program can be set by pressing the **MODE** button in the Capture Mode.







Menu 1 (Scene: Standard)





Menu 2 (Scene: Landscape/Night View/Portrait)






### Navigation Buttons

Press the  or  button to select the desired setting. The selected setting item can be seen with highlighted icon. Each setting value can be changed by pressing the  or  of the Navigation buttons.

### Mode

Set the image capture mode.

MODE	ICON	DESCRIPTION
Single		Capture single image.
Burst		Capture a series of images (up to 3 images). Exposure and focus are fixed.





1. Set the dial knob to .
2. Press the menu button.
3. Press the  or  button to select MODE.
4. Press the  or  button to select the desired mode setting.
5. Press the menu button to exit from the menu mode.


#### Note:

- In single mode, each image is captured with each focus and exposure condition.
- In burst mode, all images are captured the same focus and exposure condition, which are decided at the first shot of the burst capturing. You need to keep pressing the shutter button to capture the series of images (up to 3 images).

## Quality




Set the quality mode of any image to be captured.


IMAGE QUALITY	ICON	RESOLUTION
Fine		2272 x 1704 pixels
Standard		1600 x 1200 pixels
Basic		1280 x 960 pixels
Economy		640 x 480 pixels

1. Set the dial knob to .
2. Press the menu button.
3. Press the ▲ or ▼ button to select QUALITY.
4. Press the ◀ or ▶ button to select the desired quality setting.
5. Press the menu button to exit from the menu mode.

## ISO Sensitivity


Set the ISO sensitivity.

SENSITIVITY	ICON	DESCRIPTION
100		ISO 100 (default)
200		ISO 200
400		ISO 400

1. Set the dial knob to .
2. Press the menu button.
3. Press the ▲ or ▼ button to select ISO SENSITIVITY.
4. Press the ◀ or ▶ button to select the desired ISO sensitivity setting.
5. Press the menu button to exit from the menu mode.





## Exposure


Set the exposure compensation. The exposure can be compensated manually to make the image brighter or darker by setting the exposure compensation value. The range of the exposure compensation is from -1.5 EV to +1.5 EV at 0.25 EV step.

1. Set the dial knob to .
2. Press the menu button.
3. Press the ▲ or ▼ button to select EXPOSURE.
4. Press the ◀ or ▶ button to adjust the desired exposure setting.
5. Press the menu button to exit from the menu mode.

## White Balance



Set the white balance mode.


WHITE BALANCE	ICON	DESCRIPTION
Auto WB		Automatic white balance mode (default)
Daylight		Day light mode
Fluorescence		Fluorescent light mode
Incandescence		Incandescence light mode

1. Set the dial knob to .
2. Press the menu button.
3. Press the ▲ or ▼ button to select WHITE BALANCE.
4. Press the ◀ or ▶ button to select the desired white balance setting.
5. Press the menu button to exit from the menu mode.

## Photometry




Set the photometry. The camera calculates the exposure level before a photograph is taken.


PHOTOMETRY	ICON	DESCRIPTION
Center Weighted		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 balanced exposure can be obtained.
Spot		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.

1. Set the dial knob to .
2. Press the menu button.
3. Press the ▲ or ▼ button to select PHOTOMETRY.
4. Press the ◀ or ▶ button to select the desired photometry setting.
5. Press the menu button to exit from the menu mode.

## AE Mode


Set the AE mode. The effective range of the auto-exposure of the standard mode is from LV 6 to LV 16 at ISO 100. By halfway pressing the shutter button, the AE is also locked together with auto white balance. The camera provides three AE modes available with Standard scene program mode:

AE MODE	ICON	DESCRIPTION
Action		Faster shutter speed. To capture a moving subject.
Normal		Normal shutter speed.
Creative		Slower shutter speed. To capture a still-life subject.


1. Set the dial knob to .
2. Press the menu button.
3. Press the ▲ or ▼ button to select AE MODE.
4. Press the ◀ or ▶ button to select the desired AE mode setting.
5. Press the menu button to exit from the menu mode.



## MOVIE MODE

Switch the dial knob to  to record video clips.

### LCD Monitor Display



The LCD monitor display in Movie Mode shows a video preview of a golfer on a green. The display is annotated with numbered callouts 1 through 9. At the top, it shows 'AF' (Focus Mode), 'AWB' (White Balance), and the date '2002.01.01'. A timer shows '00:30'. At the bottom, it shows a card status icon (5), a self-timer icon (6), exposure compensation '+0.25' (7), a movie mode icon (8), and a possible recording time '12:34' (9).

**Icon Indicator**

1. Focus Mode
2. White Balance
3. Date
4. Motion Status & Recording Time every clip  
 Previewing  
 Recording
5. Card Status
6. Self-timer
7. Exposure Compensation
8. Movie Mode
9. Possible Recording Time based on memory capacity

#### Note:

If the card status icon is displayed, "Recording Time" and "Possible Recording Time" will not be displayed and the camera can not execute the recording video clip.

Every video clip can be max. 30 seconds.

The No. 4 shows the time of the actual video clip.

The No. 9 shows the time, how many min/sec video clips can be stored on the memory card.

For example:

If 9 = 2 minutes, than you can store 4 clips with each 30 seconds.


### LCD Button

Each press of the LCD button switches the display format as follows (same as Capture mode):



→ ICON OFF → LCD OFF → LCD and ICON ON →

## Recording Video Clips

The maximum recording time for each clip is 30 seconds.


1. Set the dial knob to .  
The amount of time available for movie recording is displayed on the LCD monitor.
2. Start recording a video clip by pressing the shutter button.  
The elapsed time is displayed on the LCD monitor while recording.  
To stop recording, press the shutter button again, or it stops after 30 seconds elapse.

**Note:**

- Flash, digital zoom, scene program, resolution and ISO sensitivity cannot be set.
- When the shutter button is depressed slightly (halfway down), "Motion Status & Recording Time" will be displayed as previewing () and time (max. 30 sec.).
- When the shutter button is depressed deeply (fully pressed), "Motion Status & Recording Time" will be displayed as recording () and time (decrement by 1 sec.).

## MOVIE MENU

---

When you press the menu button in Movie mode , the following menu is displayed.



You can select the option by pressing the ▲ or ▼ button. To quit the MOVIE MENU, press the menu button again.


### Exposure

Refer to **EXPOSURE** in Capture menu for detailed information.

### White Balance

Refer to **WHITE BALANCE** in Capture menu for detailed information.

## PLAYBACK MODE

Switch the dial knob to  to preview the recorded images on the LCD monitor.

### LCD Monitor Display

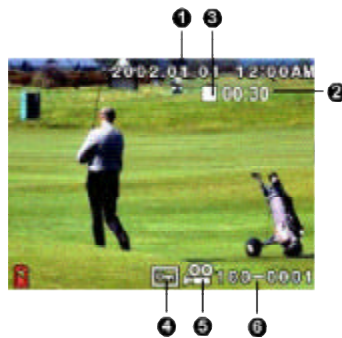
#### Still Image









#### Icon Indicator

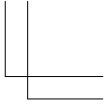
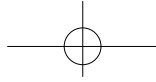
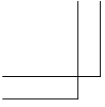
1. Captured Date & Time
2. Battery
3. Magnification
4. DPOF (Print Setting)
5. Protected
6. Quality
7. DCF Directory-file Number

#### Video Clip



#### Icon Indicator

1. Captured Date & Time
2. Time
  -  Total Time
  -  /  Playing Time
3. Motion Status
  -  Stop
  -  Play
  -  Pause
4. Protected
5. Movie Mode
6. DCF Directory-file Number

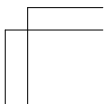
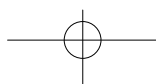
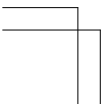
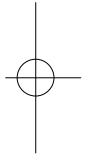


**Note:**


- The icons showing the image status cannot be displayed when the card status icon is on the screen. However the low battery indicator can be displayed if the battery is weakened.
- The icons of the magnification and erase protection appear when each function is applied to the displayed image.

**LCD Button**


Each press of the LCD button switches the display format as follows:



## Playback Single Image


1. Set the dial knob to .  
The camera displays a latest stored image on the memory card.
2. Press the ◀ or ▶ button, which has the function to backward/forward, to browse through the recorded images.

**Note:**

If no image in the card, the  icon is displayed on the LCD monitor.

## Viewing Video Clips

To view a recorded video clip, follow the steps below:

1. Set the dial knob to .
2. Select the video clip you wish to view by using the ◀ or ▶ button.
3. Press the ENTER button to start.  
To pause playback at a time, press the ENTER button. In this stage (pause stage), if you press:
  - a. The ENTER button, the camera resumes the paused playback.
  - b. The ◀ button, the camera displays the previous image.
  - c. The ▶ button, the camera displays the next image.


**Note:**

- The zoom function cannot be activated.
- To playback the video clip on the computer, we recommend that you use the "Quick Time Player". This software is free of charge, compatible for Mac and Windows-based computers and can be downloaded from the Web site at [www.apple.com](http://www.apple.com). For Quick Time Player usage, please refer to its on-line help for more information.



## Thumbnail Display


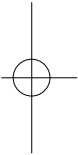

For quicker selection of pictures, you can display them as the thumbnails on the LCD monitor. A set of 9 thumbnails can be displayed per screen.

1. Set the dial knob to .
2. Toggle the LCD button until thumbnail screen appears on the LCD monitor.
3. You can select the thumbnail image and switch the thumbnail page by pressing the navigation buttons (▲, ▼, ◀ or ▶ button)
4. To display the selected image on full screen, press the ENTER button .

## Zoom Playback


The single displayed image can be magnified up to four times by pressing the TELE/WIDE button.

Zoom Button	Zoom Playback Status
Wide	4x → 3x → 2x → Normal
Tele	Normal → 2x → 3x → 4x

- 
- 
1. Set the dial knob to .
  2. Toggle the WIDE/TELE button to view the single image in zoom playback mode. Extended image area can be scrolled by pressing the ▲, ▼, ◀ or ▶ button.

## Slideshow Display

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

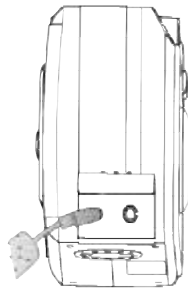
1. Set the dial knob to .
2. Press the menu button and move to SLIDE SHOW by pressing the ▲ or ▼ button.
3. Press the ENTER button.

The slideshow starts, displaying your image on images on the LCD monitor, one by one, at 2 seconds interval.

To stop the slideshow display, press the TELE/WIDE/ ENTER/▲ / ▼ / ◀ / ▶ /power/ menu/shutter or LCD button.

## Viewing Images on a TV Monitor

Television sets can be used to compose images for playback. To do this, the camera must first be connected to the TV. We recommend using the AC adapter on an indoor power outlet when available.

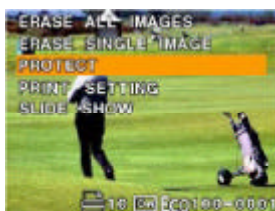


1. First, connect the TV to your digital camera. Plug one end of the video cable to the VIDEO port of the digital camera, and connect the other end of the cable to the video-in port on the television.
2. Select the appropriate video mode either NTSC or PAL, depending on what TV standard you are using (refer to page 40).
3. Turn on the camera and television.
4. Playback the recorded images.  
Details of operation are the same as playing them back on the LCD monitor.



## PLAYBACK MENU


When you press the menu button in Playback mode , the following menu is displayed.



You can select the option by pressing the ▲ or ▼ button. To quit the PLAYBACK MENU, press the menu button again.

### Erase All Images

Erase all images in the memory card except the protected images (if any).


1. Set the dial knob to .
2. Press the menu button.
3. Press the ▲ or ▼ button to select ERASE ALL IMAGES and press the ENTER button, the following sub menu is displayed.



4. To erase all image, press the ▲ or ▼ button to select YES, and press the ENTER button to confirm.
5. Toggle the menu button to exit from the menu mode.

## Erase Single Image



Erase the selected image.

1. Set the dial knob to .
2. Press the menu button.
3. Press the ▲ or ▼ button to select ERASE SINGLE IMAGE and press the ENTER button, the following sub menu is displayed.






4. Press the ◀ or ▶ button to select the image to be erased.
5. To erase an image, use the ▲ or ▼ button to select YES, and press the ENTER button to confirm.
6. Toggle the menu button to exit from the menu mode.

**Note:**




- In case the display image is protected, it is indicated by  icon. To erase a protect image file, the file must be unlocked in the PROTECT menu before erasing the image (refer to page 35).
- The images with the  icon also cannot be erased. You need to clear the print setting in the PRINT SETTING menu before erasing the images (refer to page 38).

## Protect

Toggle the protection status of the selected image. When the images are protected, they cannot be erased until unlocked. However, the protected images can be lost if the memory card (SD card or MMC) is formatted by the camera.

1. Set the dial knob to .
2. Press the menu button.
3. Press the  or  button to select PROTECT and press the ENTER button, the following sub menu is displayed.






4. Press the  or  button, to select the image to be protected.
5. To protect image, press the ENTER button to toggle image protected on/off. The protected image is indicated by  icon on the LCD monitor.
6. Toggle the menu button to exit from the menu mode.

## Print Setting



Print setting allows you to select and mark images for printing. The camera also lets you specify the number of copies to print for each selected image. When you insert your memory card to a DPOF-compatible printer, only the marked images will be printed.



### [PRINT SETTING]



Enables you to set the print setting.




1. Set the dial knob to .
2. Press the menu button.
3. Press the  or  button to select PRINT SETTING, and press the ENTER button, the following sub menu is displayed.



4. Press the  or  button to select one of the PRINT SETTING sub menus (SELECT/DATE PRINT/QUANTITY).

[SELECT]: allows you to select the image to set the print setting.  
Press the  or  button to select the desired image.

[DATE PRINT]: allows you to include date imprint on the image.  
Press the  or  to select if the captured date is printed or not.

[QUANTITY]: allows you to select the image quantity from 1 ~ 99.  
Select the image quantity you want to print by pressing the  or  button. It is indicated by  icon.

### [CLEAR ALL PRINT SETTINGS]


If the memory card has the images that have already been set the print setting, this menu is displayed.

Press the ▲ or ▼ button to select YES/NO option.

If you select YES and press the ENTER button, all the print settings in the memory card are cleared and the "PRINT SETTING" menu is displayed. If you select NO and press the ENTER button, the print settings in the memory card are not cleared. Then the Playback main menu is displayed.



#### Note:

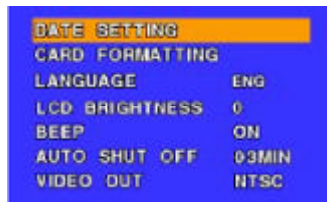
- You need to clear the old print settings that have been set in the memory card before you set the new print setting.
- The images with the  icon cannot be erased. You need to clear the print setting before erasing the images.
- This setting can only be applied to the still image files.

### Slide Show

Your camera can display your images sequentially as a slide show at 2 seconds interval. Refer to section in this manual titled **SLIDESHOW DISPLAY** for further detail.

## SETUP MENU

This feature allows to set up the default settings for using this camera. The settings are held in memory even if the camera is turned off. By switching the dial knob to **SETUP**, the SETUP MENU appears. You can select the each setting item by pressing the ▲ or ▼ button.

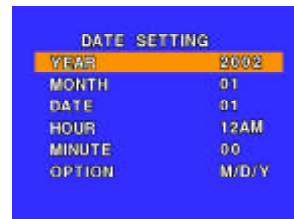


DATE SETTING	Sets the Time and Date
CARD FORMATTING	Formats the Memory Card
LANGUAGE	Sets On-screen Display Language
LCD BRIGHTNESS	Adjusts LCD Monitor's Brightness
BEEP	Turns On and Off the Sound
AUTO SHUT OFF	Selects the Time for Automatic Power Off
VIDEO OUT	Sets Video Output System

### Date Setting

Set the date, time and date display option. It can hold the information when the camera's power is turned off by pressing the power button.

1. Set the dial knob to **SETUP**.
2. Press the ▲ or ▼ button to select DATE SETTING and press the ENTER button, the following sub menu is displayed.



3. Press the ▲ or ▼ button to select the item(YEAR/MONTH/DAY/HOUR/MINUTE/OPTION) to set, and press the ◀ or ▶ button to set the value for each item.
4. Press the menu button to confirm the changes on DATE SETTING.



## Card Formatting

Format the card in the camera. This will erase all data stored in the card. For more detail information, please refer to page 14.

## Language

Set the on-screen display language of menus displayed on the LCD monitor.

1. Set the dial knob to **SETUP**.
2. Press the ▲ or ▼ button to select LANGUAGE.
3. Select the desired language by pressing the ◀ or ▶ button.  
The selected language will be effective when you:
  - a. Press the ENTER/▲ / ▼ button.
  - b. Switch the dial knob.
  - c. Toggle the power button to turn off and on the camera's power.



## LCD Brightness

Adjust the brightness of the LCD monitor. It can be adjusted within the range [-3] to [+3], interval of 1.

1. Set the dial knob to **SETUP**.
2. Press the ▲ or ▼ button to select LCD BRIGHTNESS.
3. Press the ◀ or ▶ button to change the value.

## Beep

Set whether or not to sound the beep tone.

1. Set the dial knob to **SETUP**.
2. Press the ▲ or ▼ button to select BEEP.
3. Press the ◀ or ▶ button to toggle the option:  
[ON]: Sounds the beep tone according to the operating state or operation.  
[OFF]: Does not sound the beep tone in any state.

## Auto Shut Off

If no operation is carried out for a fixed amount of time, power consumption is set to its minimum state (power almost turned off) to prevent battery wear. This setting allows you to set the time when the camera turns off automatically. To return to the normal state after the Auto Shut Off has been executed, press the Power button to turn the power on again. When the camera power is supplied by an AC adapter, the auto shut off is fixed at 5 minutes.

1. Set the dial knob to **SETUP**.
2. Press the **▲** or **▼** button to select **AUTO SHUT OFF**.
3. Press the **◀** or **▶** button to choose one of the following options:
  - [1 MIN] : Auto power off after 1 minute
  - [3 MIN] : Auto power off after 3 minutes
  - [5 MIN] : Auto power off after 5 minutes

### Note:

- This function is not activate in the PC mode.
- This setting will be disabled during the slide show even if the camera uses the battery. If you do not stop the slide show, the camera will be powered off automatically in 15 minutes. The setting of the auto shut off will be ignored during the slide show.

## Video Out

Set the video/TV output system according to the country in which your camera used.

1. Set the dial knob to **SETUP**.
2. Press the **▲** or **▼** button to select **VIDEO OUT**.
3. Press the **◀** or **▶** button to toggle the option:
  - [NTSC]: NTSC system
  - [PAL]: PAL system





## **TRANSFERRING PICTURES TO THE COM- PUTER**

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Before you can transfer the pictures from the memory card to your computer, you need to install first the camera software into your computer.

(Driver installation: Applicable only on Windows 98 and Mac OS 8.6)

### **Installing the Software (Driver & Image Application)**

1. Insert your camera's Installation CD into your CD-ROM drive.
2. The installation program starts. Follow the on-screen instructions to complete the camera software installation.
3. Restart your computer.

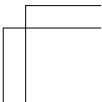
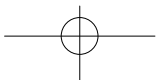
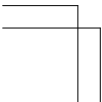
### **Connecting the Camera to Your Computer**

Your digital camera comes with a USB cable that you can use to connect the camera to your computer.

1. Plug the smaller connector of the USB cable into the USB port on your camera.
2. Plug the other end of the USB cable to your computer's USB port.

#### **Note:**

Since downloading pictures eats up battery power fast, use the AC power adapter whenever you are transferring pictures to your computer.



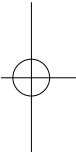
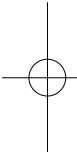
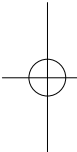
## Downloading Pictures

Once you have properly connected the camera to your computer, you are now ready to transfer pictures.

1. Make sure the USB cable is properly connected between your camera and computer.
2. Turn on your camera's power.  
The camera gets into the PC mode regardless the dial knob position.
3. To access the pictures on the memory card:  
If you are using Windows, double-click **My Computer** on the desktop. You will then see a drive labeled "Removable disk". Click that drive letter.  
If you are using Macintosh, double-click the "untitled" disk on the desktop.
4. Double-click the **DCIM** folder.
5. To copy the picture files:  
Double-click the existing sub folders. Then, drag and drop the image files to the desired location on your computer's hard disk.



### Note:






While the camera is connected to your computer, the camera will not allow you to take pictures. You will also not be able to view pictures on the camera.



## Warning and Error Messages

### Error Message Related the Memory Card in the Playback Mode

If the card error occurs in either the Capture mode  or the Playback mode , the following icon is displayed according to the situation on the background.

ICON	Status	MODE
	It is displayed when the card is not inserted into the camera.	Capture Mode Playback Mode
	It is displayed when the "unknown" card (the camera cannot recognize it) is inserted into the camera.	Capture Mode Playback
	It is displayed when the card contains no image is inserted into the camera.	P l a y b a c k Mode
	It is displayed when the card that is fully recorded is inserted into the camera.	Capture Mode
	It is displayed when the image cannot be displayed for any reason (for example, the image is broken, etc.).	P l a y b a c k Mode

### Warning Messages

Warning messages will be displayed according to the camera status as the following table.

Warning message	Status	Mode
OPENTHELENSCOVER (White letter and Black back)	The lens cover is closed in Capture mode.	Capture Mode
RECERROR (White letter and Preview)	The camera fails to save the captured image for any reason.	Capture Mode
CARDERROR (White letter and Blue background)	The camera can not format the card in the "Card Format" function.	Setup Mode
CARDPROTECTED (White letter and Preview in Capture mode, White letter and playback image in Playback mode)	The camera tries to write the data into the protected card.	Capture Mode Playback Mode

## SPECIFICATIONS

Image Sensor	4.0 Megapixels (1/1.8" CCD sensor)
Image Quality	2272 x 1704 pixels (Fine) 1600 x 1200 pixels (Standard) 1280 x 960 pixels (Basic) 640 x 480 pixels (Economy)
File Format	Still & Burst files: Exif 2.2 (JPEG Compression) Video clip (without audio) files: AVI
Recording Medium	Internal memory: None External memory: SD card/Multi Media Card(MMC)
File System	DCF
Print File System	DPOF
Lens	3x zoom lens F2.9 (WIDE) ~ F4.8 (TELE)
Focal Length	f=7mm-21mm (equivalent to 35mm-99mm on a 35mm camera)
Focal Range	Standard: 70 cm ~ infinity Macro: 10 cm ~ 70 cm (WIDE) 25 cm ~ 70 cm (TELE)
Digital Zoom	Capture mode: 2x Playback mode: 2x, 3x, 4x
Viewfinder Type	Real image viewfinder
Shutter Speed	1/1000 ~ 2 seconds
Exposure Metering	Spot, Center Weighted
Exposure Control	Auto, AE Range: LV 6 ~ 16
Exposure Compensation	-1.5 EV to +1.5 EV (in 0.25EV increments)
White Balance	Auto/ Daylight/ Incandescence/Fluorescence
Sensitivity	Equivalent to ISO 100/200/400
Flash	Auto, Fill-in, Flash Off, Red-eye reduction
Flash Range	3.0m at WIDE
Self-timer	10 seconds delay
LCD monitor	1.6" color LCD
Connectors	AC power port (DC IN 3.4V), USB port, Video Output (NTSC/PAL)
Weight	Approx. 210g (without battery)
Dimension	106mm(W) x 40mm(H) x 63mm(D)

\*Design and Specifications are subject to change without notice.

