

# Digital Camera

## User's Guide

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## ABOUT THIS MANUAL

Congratulations on your purchase of a new Digital Camera! We have selected the components in this Digital Camera for their high level of functionality, ease of use, safety, and reliability.

To help ensure the ease-of-operation and extended life of your Digital Camera we recommend that you become familiar with this entire book. However if you want to get started using your digital camera right away, be sure to read the sections "Safety and Security" and "Getting Started".

Note that the features and components of your Digital Camera may vary according to model.

Keep these instructions with your Digital Camera at all times. The proper set up, use and care can help extend the life of your Digital Camera. In the event that you transfer ownership of this Digital Camera, please provide these instructions to the new owner.

This manual is divided into sections to help you locate the information you need. Along with the Table of Contents at the beginning of this manual, an Index has been provided to help you find topical information.

We are pleased to welcome you as our newest customer. Thank you for choosing our products.

## WARRANTY

The receipt serves as proof of first purchase and should be kept in a safe place. It is required should you need to make use of the warranty.

Medion warranty applies to original purchase of the product from an approved Medion reseller and is not transferable..

We guarantee that this equipment is in perfect working order. Upon production of the receipt, the remaining period of guarantee shall pass on from the original parts to the respective replacement parts. If you hand in this equipment to make use of the warranty, you must remove all programs, data and removable storage media. Products which are sent without accessories will be replaced without accessories. The warranty obligation does not apply in the case of the problem being caused by an accident, a catastrophe, vandalism, misuse, incorrect use, ignoring the safety and maintenance regulations, changes by software, viruses or another piece of equipment or accessories or by other modifications not approved by ourselves.

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In some countries limiting the period of validity for implied warranties is not permitted, so that the above limitation does not come into force. If you have any questions with regard to these warranty conditions, please contact us.

## **LIABILITY LIMITATIONS**

The contents of this manual are subject to unannounced changes caused by technical progress. Manufacturer and sales shall not be responsible for any damages which have been caused as a result of omissions or errors in the information provided in this manual.

Under no circumstances shall we be liable for any of the following:

1. Claims made against you by third parties based on loss or damage.
2. Loss or damage to your blanks, recordings or data.
3. Economic follow-on damage (including lost profit or savings) or associated damage even in the case that we have been informed of the possibilities of this type of damage.

In some countries the exclusion or limitation of accompanying or follow-on damage is not legally accepted so that the above limitations do not come into force.

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## CHAPTER 1 - SAFETY AND SECURITY

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### WARNINGS

Before getting started, please read the following important safety information concerning your Digital Camera carefully.

- ⚠ **DO NOT allow children to play unattended with electrical equipment.**
- ⚠ **DO NOT disassemble the camera.** Touching the product's internal parts could result in injury. In the event of a malfunction, only a qualified technician should repair the product. Should the product break open as a result of a fall or other accident, call customer service to arrange for repairs.
- ⚠ **DO NOT look at the sun** through the viewfinder. Viewing the sun or other strong light source through the viewfinder could cause permanent visual impairment.
- ⚠ **DO NOT touch the display with sharp objects** in order to avoid damage. There is a risk of injury if the display breaks. Use protective gloves to pack up the broken pieces and call customer service to arrange for proper disposal. It is important to thoroughly wash your hands after handling a broken display. There is a chance that chemicals may have been released.

- **DO NOT insert objects** through the slots and openings of the Digital Camera. This may lead to short-circuit or fire that could cause personal harm or damage to your Digital Camera.
- **DO NOT use in the presence of flammable gas** . Using electronic equipment near flammable gas could result in explosion or fire.
- **Observe caution when operating the flash** . Do not use the flash close to anyone's eyes. This can cause temporary damage to eyesight. Particular care should be observed when photographing infants – keep the flash at a distance of at least 3 feet from infants' eyes.
- **Observe proper precautions when handling batteries** .  
Uses only size AA alkaline batteries. Batteries may leak or explode if handled improperly. Remove batteries (and memory card) from the Digital Camera if you are going to store the Digital Camera for extended periods of time. Ensure the Digital Camera is turned off before inserting or removing batteries.
  - **DO NOT** insert batteries backwards or upside down.
  - **DO NOT** disassemble batteries.
  - **DO NOT** expose batteries to flame or excessive heat.
  - **DO NOT** immerse batteries in or expose to water.
  - **Discontinue use immediately** if you notice any changes in the battery such as discoloration, deformation or leakage.
  - Check with local codes for possible **special disposal instructions** .



- This Digital Camera is **NOT** designed for use within **industrial environments**.
  - Use **only a power adapter** with this features: Input voltage = 3.3 - 3.5 Volts, current rating = 2.5 A, plug: 0.35 mm x 0.75 mm, - (⊖ -) and only batteries indicated in this manual.
  - DO NOT walk while framing a picture through the viewfinder. Items viewed through the viewfinder are closer than they appear. Your range of vision will be limited.
- Please contact Customer Service when the:
- The Digital Camera cover is damaged or liquids have penetrated the cover. Do not operate the Digital Camera until you first check with Customer Service.
- It is possible that the Digital Camera cannot be operated safely and could cause danger to life by electric shock!

## DATA SECURITY



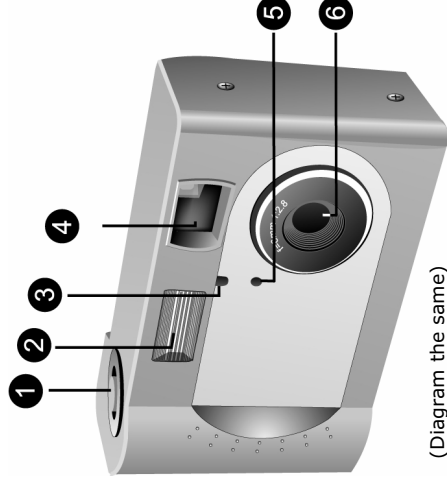
Every time you update your data make backup copies on an external storage medium. The supplier does not assume liability for data loss or damage to data storage units, and no claims can be accepted for damages resulting from the loss of data or for consequential damages.

## CHAPTER 2 – BASIC OPERATION

### DIGITAL CAMERA OVERVIEW

The front, rear, bottom and top views of the Digital Camera are shown on the following pages. Please take a moment to review these illustrations to familiarize yourself with the terms used in the rest of this manual.

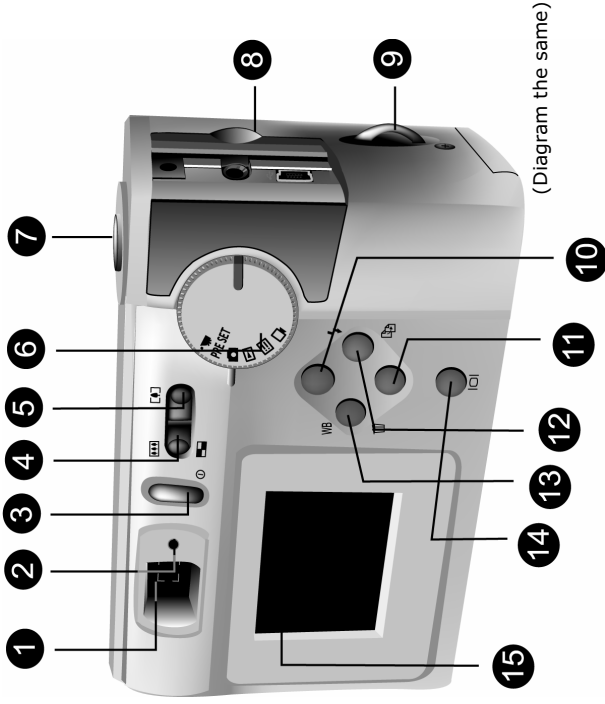
#### FRONT VIEW






(Diagram the same)






- 1 **Shutter Button:** Press this button to take pictures, or to select menu options.
- 2 **Built-in Flash:** The flash allows the Digital Camera to take pictures in low light conditions and can also be used in bright conditions to remove unwanted shadows.
- 3 **Light Sensor:** The Digital Camera automatically detects ambient light levels and determines whether or not the flash is needed. Light measurements are made with this sensor. Take care not to block the sensor while taking pictures.
- 4 **Viewfinder:** The viewfinder helps you frame a picture. The actual picture is taken with the lens and not the viewfinder, however.
- 5 **Self-Timer LED:** When using the Self-Timer mode, this LED will blink for ten seconds before the camera takes a picture.
- 6 **Lens:** The lens focuses the light onto the digital image capturing circuitry. For the best picture quality, care should be taken to ensure it remains free of dust, fingerprints, and scratches. Take care not to block the lens while taking pictures.


**BACK VIEW**



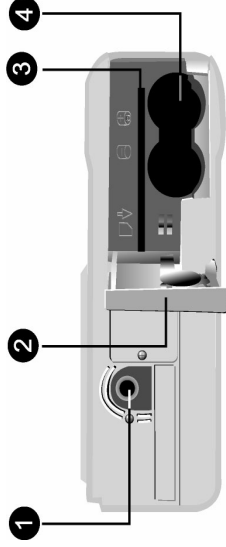
## Back View Description

- 1 **Viewfinder:** The viewfinder is used to frame your pictures. The actual picture is taken with the lens and not the viewfinder.
- 2 **Status LED:** When power is first turned on, or the Digital Camera is working (but not yet available to take a picture), the LED will flash. When the camera is ready to take a picture or accept user commands, the LED is a solid green color.
- 3 ① **Power Button:** Press this button to turn on the Digital Camera. Press it again to turn it off.
- 4  **Zoom Out Key:** While in Snapshot mode, press this key to zoom out. If pressed repeatedly in during Playback, Zoom Out switches between thumbnail  and full-screen views. If zooming in on a photo during Playback mode, pressing this key zooms back out again. See next chapters for details.
- 5  **Zoom In Key:** While in Snapshot mode, press this key to zoom in on your subject. In Playback mode, use this key to zoom in on a photo.
- 6 **Mode Dial:** Rotate to select the camera mode: Video, Preset, Snapshot, Playback, Setup or PC Camera.

- 7 **Shutter Button:** Press this button to create a digital photo. While navigating the camera's options menus, use it to select menu items.
- 8  **USB Port:** The USB (Universal Serial Bus) port is used to connect the camera to a PC as well as for transferring photos. It may also be used as a PC Video Camera.
- 9 **Hand Strap Loop:** Attach the hand strap to this loop for ease of carrying.
- 10  **Up Button:** Used to move up through menus and to cycle in a leftwards direction during picture Playback.
- 11  **Down Button:** Used to move down through menus and to cycle in a rightwards direction during picture Playback.
- 12  **Strobe / Copy:** Copies pictures during playback from internal, on-board camera memory to the SmartMedia™ Card.
- 13  **WB/Delete:** Press this button to cycle through the White Balance presets: Auto, Daylight, Shade, Light Bulb (incandescent light), and Fluorescent.

- 14  **Display Button:** Press to cycle through the various display options: LCD, backlight and status information all turned on; LCD and backlight on but no status information; and LCD off.
- 15 **LCD Display:** Use the LCD display to preview photos. While in the Setup menu, use the LCD to see messages and configure the camera.
- 16 **Video Out Jack:** Connect your video out cable here and then the other end to your television set in order to use the Digital Camera as a digital video camera. Note that there is no audio in Video mode.
- 17 **Power Jack:** Plug the AC Adapter into the Digital Camera here to supply it with electricity from an external, non-battery power source.

## BOTTOM VIEW



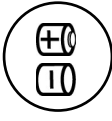
- 1 **Tripod Connector:** Attaches the Digital Camera to a tripod. This is an optional accessory that can be used to hold the camera still and is especially useful for low light night pictures.
- 2 **Battery / Memory Card Cover:** Opens to allow access to the battery chambers as well as the memory card slot.
- 3 **Memory Card Slot:** Receives a SmartMedia™ card to store images. For more information on this see the *Storage Media* section of this book.
- 4 **Battery Chamber:** Takes two AA alkaline batteries.



## INSTALLING AND REPLACING THE BATTERIES

Turn off the Digital Camera (see page 18), if it is switched on.

1. Open the battery / memory card compartment on the bottom of the Digital Camera by pressing on the cover and sliding in the direction of the arrow toward the outside edge of the Digital Camera.
2. Insert 2 Alkaline size AA batteries into the chamber making sure that the positive and negative ends are properly oriented, as indicated on the compartment's interior wall.
3. Close the battery cover.



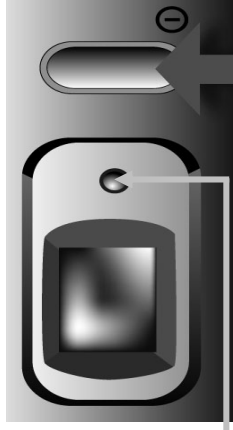
**Tip:** When you swap out batteries, all pictures in the memory are kept. You don't need to worry about data loss.



## SWITCHING THE DIGITAL CAMERA ON/OFF

1. Press the On/Off button (reference number **3** on page 12) to turn on/off the Digital Camera.

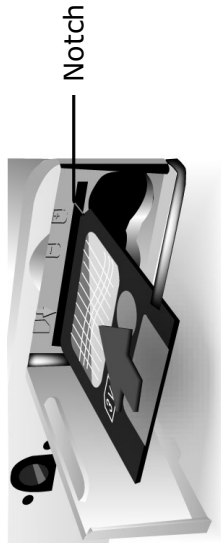
When the Digital Camera is turned on, the LED between the viewfinder and the On/Off button is lit.



- ☞ In order to extend the battery's life, you should turn off the Digital Camera when you do not use it.
- ☞ The Digital Camera will turn off automatically after a short period (approximately 3 Min.), when no button is pressed.

## INSTALLING AND REMOVING THE MEMORY CARD

1. Turn off the camera (see page 18 for details).
2. Open the battery / memory card compartment (see page 17 for details).
3. Insert (or remove) the memory card with the notched corner facing the outside edge of the Digital Camera (gold circuitry facing toward the back of the Digital Camera).









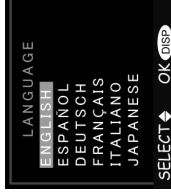
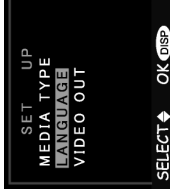
4. Close the battery / memory card cover.

## CHOOSE A LANGUAGE

The digital camera can display text and messages in English, French, Spanish, German, Italian and Japanese.

To select a different language:






1. Rotate the Mode Dial (ref. num. **6** on page 12) to Setup mode .
2. Turn the Digital Camera on (see page 18 for details).
3. Use the Down button  (ref. num. **11** on page 12) to select **Language** then press the Display button  (ref. num. **14** on page 12) to enter this menu.
4. Use the Up and Down buttons  /  (ref. num. **10/11** on page 12) to select the language you want to use.
5. Press the Display button  to set it. The Setup Menu re-turns in the language you have selected.










## SETTING THE TIME AND DATE

When you transfer a photo to a computer and/or print it, the time and date of the file (itself, not the picture) will show when it was taken.

To set the date display style:

1. Rotate the Mode Dial (ref. num. **6** on page 12) to Setup mode .
2. Turn the Digital Camera on (see page 18 for details).
3. Use the Down button  (ref. num. **11** on page 12) to select **Date** then press the Display button  (ref. num. **14** on page 12) to enter this menu.
4. Select the Style option. Press the Display button  to enter that menu.
5. Choose either Month/Day or Day/Month as the display style for the date.
6. When the settings are correct, press the Display button  to save the changes.

To set the date and time:

1. Select **Date** on the Setup menu and then press the Display button .
2. Select the **Clock** option. Press the Display Button  to enter that menu.
3. Use the Up and Down buttons  /  to adjust the hour.
4. Press the Strobe/Copy  button (ref. num. **12** on page 12) to set it and move on to minutes.
5. Next, set the minutes in the same manner. Press the Strobe/Copy button  to accept and move on to the next Clock option.
6. Once the time has been set, repeat step 3 to set the year, then the month, and finally the day.
7. When the settings are correct, press the Display button  to save the changes.

 If you make a mistake and need to go back, use the White Balance/Delete button  (ref. num. **13** on page 12).

## PREPARE THE DIGITAL CAMERA

To prepare the Digital Camera for picture taking :

1. Press the Power button (see page 18 for details) to turn the Digital Camera on. After a short pause, the LED will stop flashing, which is the signal that the Digital Camera is ready for use.



Make sure you have installed 2 AA size Alkaline batteries.



If you want to store your photos on a SmartMedia™ card, make sure it is also installed before you turn on the Digital Camera. If you want to store images directly to the Digital Camera's internal memory, either remove the memory card, or select Internal from the Storage Media menu.



Using the LCD display consumes more battery power. To prolong the life of your batteries it is recommended to keep the LCD display shut off when not in use.

## SELECT THE CAMERA MODE

There are two modes for taking pictures: **Snapshot** and **Preset**. Snapshot mode is for basic picture taking, while the Preset mode allows you to take pictures in one of five preset schemes: Landscape, Portrait, Night Scene, Self-Timer and Macro.

1. Rotate the Mode Dial (ref. num. **6** on page 12):

▲ For basic “point and click” picture taking, you can use the Snapshot mode indicated by the red camera icon .

▲ To use the self-timer or the other preset schemes, rotate the Mode Dial to the Preset mode and then use the Up and Down buttons to select the mode. You like to use. A description of this different modes are described on page 37.

## FRAME THE SHOT

To prevent the Digital Camera from taking blurry pictures, hold it steady.



Use either the Viewfinder or the LCD display to frame the picture, according to the needs of your shooting conditions. Do not walk while you frame a picture.

Turning off the LCD display and taking pictures with just the viewfinder will result in longer battery life. However, in some conditions it may be more convenient to use the LCD display.



## SHOOTING A PICTURE

### 1. ZOOM IN ON A PARTICULAR OBJECT

You can use the Zoom In [5 on page 12) or Zoom Out [4 on page 12) buttons to narrow or widen the lens' field of view.

Use the LCD display to preview the effects of the zoom function. The zooming ratio is shown on the LCD display. The viewfinder doesn't show any difference.

### 2. AUTOMATIC IMAGE PROCESSING

Press the Shutter button (ref. num. **7** on page 12) **half way** down and **hold it** to initiate the Digital Camera's internal image processing function. The Digital Camera will adjust the photo to compensate for ambient lighting, and, if in auto-flash mode, detect whether or not the flash is required.

### 3. SHOOT THE PICTURE

When you are happy with the preview, gently press the rest of the way down. Repeat from step 1 to take more pictures. Turn off the Digital Camera when you are finished shooting pictures.







- ☞ Take care not to press the Shutter button too rapidly or forcefully, otherwise you might shake the camera and get a blurry picture as a result.

## REVIEWING YOUR PICTURES







One benefit of digital cameras is that you can immediately check whether or not you like the picture you just took. After you take a picture you can see what it looks like and then retake it if you are not happy. To view the pictures that you have stored in internal memory or on the SmartMedia™ Card:

1. Rotate the Mode Dial to **Playback Mode** .
2. Turn the Digital Camera on. The default Playback method is to show each individual pictures one at a time at full-screen size.
3. Press the Up and Down buttons  /  to cycle through the pictures you've taken.

### Zooming In and Out

While viewing a picture on the LCD, you can use the Zoom buttons  /  to see more detail on a particular picture. With the Zoom In button  you can increase the zoom ratios from x1.0 to x4.0. Press the Zoom Out button  to decrease zoom ratios (from x4.0 down to x1). When a picture is zoomed, parts of it are invisible. Use the  /  buttons to scroll to the hidden parts.

### THUMBNAIL REVIEW

If you press the Zoom Out button  when the zoom ratio is at x1 (default), the camera switches over to Thumbnail Review  method. In Thumbnail Review, nine pictures are shown on the LCD simultaneously. Use the Up and Down buttons  /  to cycle through the pictures groups. To return to Full-Screen Review, press either the Zoom In  or the Zoom Out  button.

## CHAPTER 3 - CONNECTING TO A COMPUTER

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The Digital Camera stores pictures as digital data rather than on film. Instead of making a trip to a developer and printing from negatives, you can simply copy your pictures to a computer for long-term storage. Once transferred, your pictures can be viewed, printed, sent to friends and family via e-mail, or saved to any removable media device (such as floppy disk or CD-ROM) for delivery to a photofinisher. After transferring pictures to your computer, any copies stored on the memory card or on the camera's internal memory may be deleted to make way for new pictures.

This chapter explains how to connect your digital camera to a computer for either downloading pictures to a PC or for using as a PC Camera.

➤ **Warning! DO NOT** connect the camera to your computer before installing the software. This may cause installation problems. Please make sure you install the software from the CD-ROM prior to connecting the camera to your computer.

## INSTALLING THE SOFTWARE

⚠ **WARNING!** During software installation your important files can be changed or deleted. To avoid problems in using older files after installation, make sure to safeguard your hard disk.

Follow these instructions to install the digital camera drivers and software on your system. Please have your Windows® CD-ROM ready beforehand, as you may be prompted to insert it during the installation process.


1. Insert the installation software CD into your CD-ROM drive. **DO NOT** connect the camera to the PC. The installation program should start automatically. If not, double click the **My Computer** icon on your desktop, open the CD-ROM drive, and then run the 'setup.exe' found on the installation CD-ROM.
2. Follow the on-screen instructions. All the necessary software is installed automatically. The drivers and utility programs that allow the camera to communicate to the computer via the USB cable are also installed.

👉 You can skip the installation of some applications by un-checking the box next to the program. You may wish to do this if you already have software that will provide these solutions.

## CONNECTING THE DIGITAL CAMERA

Your Digital Camera can exchange data in different ways:


- ▶ In **Mass Storage Device (MSD) mode** your Digital Camera's memory will be assigned a free drive letter. You can copy/paste files as you like.
- ▶ In **PC Camera mode** you can use the Digital Camera like a web cam.

To activate the necessary drivers, first set the correct operational mode for that function. For example, set the Mode Dial to **PC Camera mode**  to install those drivers, and to **any other mode** to install **Mass Storage Device** drivers.

ⓘ **Note:** Should your operating system be configured in such a way that software and drivers cannot be installed unless signed (released by Microsoft), then a relevant dialogue will appear. Though exact wording may differ depending on your operating system (e.g. "the driver to be installed ... has not passed the test") this does not mean that the driver is defective, but indicates only the absence of the Microsoft signature.

You may ignore this message. Click "**Next**" to install the driver.


1. Connect the small connector of the USB cable to the camera, as shown.

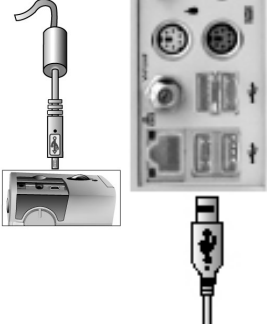
2. Connect the large head of the USB cable to an empty USB slot on your computer. To locate USB slots on your computer, look for the USB icon .

3. Turn the Digital Camera on.

4. The Windows Add Hardware Wizard will automatically detect the camera and lead you through the installation procedures for the corresponding mode. You will need to do this once for each mode (PC Camera and MSD.)

5. You should reboot your computer before using camera and software for the first time. Both MSD and PC Camera mode may only be used once you have connected the camera to your PC with the supplied USB cable.

 Windows might be configured in a way that you need to inform the operating system that you want to remove an USB-device. Log-off your Digital Camera according to your operating system in order to remove the device safely. If you plug in the Digital Camera again, make sure to use the same USB socket in order to avoid a possible reinstallation.



## COPYING PHOTOS TO A PC

When connected to your computer in MSD mode, the digital camera behaves exactly like any another disk drive attached to your computer. This makes copying the images to your hard drive as easy as copying files from a floppy disk, zip drive or CD-ROM. To use the Digital Camera in MSD mode, you can use any of the modes except for the PC Camera mode. To copy photos to your PC:

1. Connect the Digital Camera to the computer with the USB cable and turn it on.
2. Open Windows Explorer. The contents of your computer will be displayed, including all your disk drives, and, if the Digital Camera is connected properly, an extra disk drive representing the Digital Camera's memory called "Removable Disk."
3. Select the digital camera drive. The camera's photos are listed. Select the photos and now you can ...
  - ▶ drag and drop them onto your computer's hard disk.
  - ▶ double-click the photo to open the associated program for printing or editing.
  - ▶ delete some files.



## USING AS A PC CAMERA

To use the camera as a PC Camera (Web Cam), you must put the camera in PC Camera mode  and then connect it to the computer via the USB port.

When connected, the camera may be used in conjunction with any commercially available video capture software to create your own home videos.

Then you can edit and distribute your video files across the Internet or save them on CD-ROM for later viewing on your PC or with a VCD/DVD player.

PC Camera mode can also be used with real-time video conferencing software such as Microsoft NetMeeting™. Please refer to the Microsoft Online Help.


 To use the Digital Camera as a PC Camera you must set the camera to PC Camera mode.



## CHAPTER 4 – MODE GUIDE






The digital camera has six separate modes of operation. You can select which mode you want to use by rotating the Mode Dial to the correct position. This chapter describes each of these modes and the different button functions in each mode.




### SNAPSHOT MODE

 Snapshot mode is used for taking pictures. All the basic principles of non-digital photography apply here, so the more you know about it the better your pictures will be. Snapshot mode's button functions:

Sym.	Description	Function
	Up Button	Increases the Digital Camera lens' exposure value, which allows in more light.
	Down Button	Increases the Digital Camera lens' exposure value, which gradually blocks light.

Sym.	Description	Function
	Display Button	Cycles through the following LCD display settings: LCD, backlight and status information all turned on; LCD and backlight on but no status information; and LCD off.
	Strobe / Copy	Determines how the strobe light (flash) is used. Pressing the Strobe key cycles through the following settings: Auto (A), On, Off, and Red-Eye Reduction.
WB 	WB / Delete	Adjusts the White Balance settings. Pressing the WB key cycles through the following settings: Auto, Day Light, Shade, Light Bulb (incandescent light), and Fluorescent Light.
	Zoom Out	Widens the field framed by the camera's lens from x3.0 to x1.0.
	Zoom In	Narrows the field framed by the camera's lens from x1.0 to x3.0 (x1.0, x1.2, x1.4, x1.6, x1.8, 2.0, x2.2, x2.4, x2.6, x2.8, 3.0.)

## VIDEO MODE

•  Video mode allows you to record 60-second no-audio, video-only movies to your camera's on-board memory or the SmartMedia™ card.

To record a video clip:


1. Turn the Mode Dial to the Video Clip mode setting.
2. When the camera's LCD screen comes on, frame your shot.
3. Press the Shutter Button to begin recording. By default, the camera records a full 60-seconds before terminating the recording. However, if you press the Shutter Button a second time you can terminate the recording before that time is up.

Like Snapshot mode, you may also zoom in and out when recording videos. The available zoom ratios in Video Mode are:


Zoom Out:	x1.0 to x 2.0 (increasing by x0.1)
Zoom In:	x 2.0 to x1.0 (decreasing by x0.1)

Pressing the Up and Down buttons  /  while recording a video increases and decreases the lens' exposure value, which variously brightens and darkens the video as light is regulated.


## PRESET MODE

Preset Mode has five preset settings optimized for taking specific types of pictures: Landscape, Portrait, Night Scene, Self-Timer and Macro. Select the Preset option for the type of picture you want to take using the Up and Down  buttons, and then press the Shutter button.

### LANDSCAPE

 This preset is optimized for taking landscape pictures, with the lens focus universally distributed to encompass everything within the entire frame.

### PORTRAIT


 This preset is optimized for taking "head shots" of other people, focusing more on the center of the frame than the peripheral parts.

### NIGHT SCENE

 This preset is optimized for taking photos at night, opening the lens aperture wider and longer to gather as much ambient light as possible.

You should hold the camera perfectly still when taking night shot or place it upon a stable surface or tripod to minimize incidental blurring resulting from the longer exposure.

### **SELF-TIMER**

 This preset lets you to take a photo after a ten second delay. This gives you the ability to take hands-free photos, such as self-portraits or group photos.


#### **Using the Self-Timer**

1. Position the camera on a stable surface (such as an optical tripod) and frame the shot.
2. Rotate the camera's Mode Dial to Preset mode.
3. Use the Up and Down buttons to select the Self-Timer Preset.
4. Press the Shutter Button. The 10-second countdown begins immediately.

As soon as the delay ends, the camera takes the picture.


With the exception of the Shutter button, all of the camera's other buttons behave the same as they do in the other Preset modes.



### MACRO






 This preset optimizes the camera for taking extreme close up shots of objects or people within a foot or less of the camera. When not using this preset, the camera lens cannot focus as well as normal due to the extremely short distance between it and the subject matter.

### PLAYBACK MODE

 The Playback mode is used to view the photos stored in the digital camera's on-board memory or on the SmartMedia™ memory card.


To view the photos, rotate the Mode dial to the Review mode position. (Press the Display  button to turn it on.) Playback mode's button functions:

Sym.	Description	Function
	Up Button	Moves to the previous photo. Moves the picture downwards in Zoom Mode.
	Down Button	Moves to the next photo. Moves the picture upwards in Zoom Mode.

Sym.	Description	Function
	Display Button	Cycles through the following LCD display settings: LCD, backlight and status information all turned on; LCD and backlight on but no status information; and LCD off.
	Strobe / Copy	Copies the selected image from on-board memory to the memory card or vice versa. Moves the picture to the left in Zoom Mode.
WB 	WB / Delete	Deletes selected photo. Moves the picture to the right in Zoom Mode.
	Zoom Out	In Snapshot Mode, widens the field framed by the camera's lens from x4.0 to x1.0. If you zoom out while in Playback mode the camera switches to Thumbnail mode.
	Zoom In	Narrows the field framed by the camera's lens from x1.0 to x4.0 (x1.0, x1.5, x2.0, x2.5, x3.0, x3.5, 4.0).



## SETUP MODE

 Setup Mode configures the camera. To open the Setup menu, rotate the Mode dial to the Setup position. The Setup menu is displayed on the LCD as follows:


### DELETE ALL

To delete images from either the camera's internal memory or from the SmartMedia™ Card, select **Delete All** from the Setup menu.

### FORMAT

This option completely erases and reformat of the storage device. It is similar in function to formatting or defragmenting a PC hard drive. Although Format takes longer than Delete, be sure to format your storage device occasionally to ensure the card continues to function optimally.

### BUZZER

When this feature is turned on, the camera makes a beep when you push its buttons or rotate its Mode dial. To activate the beeps, select the Buzzer option from the menu. On the subsequent screen, select Yes to confirm and then press the Display button .

## QUALITY

Adjust the image quality and resolution by selecting Quality from the Setup menu. There are five different picture resolutions available:

<b>2048 x 1536 (Super), 1600 x 1200 (Fine)</b>	<b>7 Photos</b>
<b>1600 x 1200 (Normal)</b>	<b>16 Photos</b>
<b>800 x 600 (Fine)</b>	<b>33 Photos</b>
<b>800 x 600 (Normal)</b>	<b>66 Photos</b>


The higher the quality, the clearer your picture will be, but at the same time the image file size will be larger, and therefore you will be able to store fewer pictures in memory. Generally, Normal quality (800 x 600) is high enough quality for most purposes.

## DATE/TIME

The digital camera marks each picture with a time stamp displaying the hour, minute and day the photo was taken. This is useful for organizing and keeping track of your photo collection. For more on setting the time and date see page 21.

## DPOF

The Digital Printer Order Format (DPOF) lets you print photos directly to a printer that supports this protocol.

Choose specific images with the Select Image option or select All Images to print the storage device's entire contents. Select Reset Setting to deselect images and disable the DPOF function. After making your selection, press the Display button  to register the change.

## MEDIA TYPE

You can choose whether you want to store photos in the on-board memory or in the SmartMedia™ card. To set the default storage media:


1. Rotate the Mode Dial to Setup  and turn on the camera.
2. Use the Down button  to select **Media Type** and then press the Display button .
3. Use the Up and Down / buttons to select either Internal, for the camera's on-board memory, or External, to use an installed SmartMedia™ Card.
4. Press the Display button  to confirm your selection and return to the main Setup screen.

## LANGUAGE

The digital camera can display menu items in the following languages: English, French, Spanish, German, Italian and Japanese. For more on setting the default language, see page 20.

## VIDEO OUT

If connecting your camera to a television set by means of A/V cables, you have the option to choose a transmission format compatible with that of your TV. This allows you to record video images sent to the TV with a VCR. The camera does not support audio.

1. Select the Video Out option from the Setup menu.
2. Choose either NTSC (US) or PAL, according to your hardware and region.
3. Press the Display button  to confirm your choice.

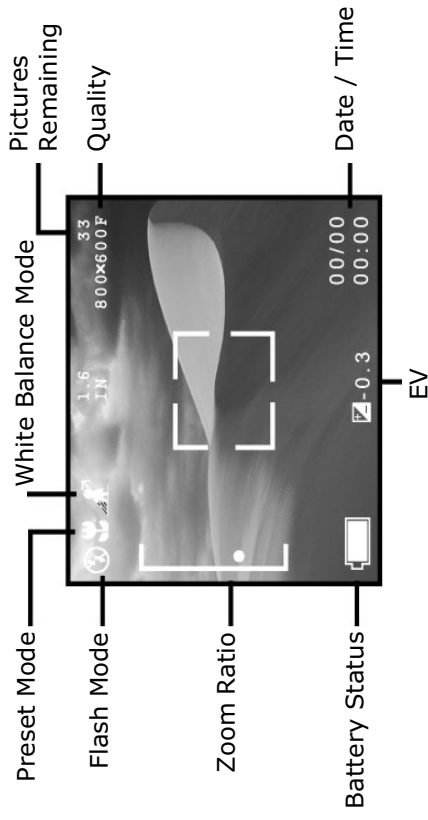
## PC CAMERA MODE








The digital camera can be used with any commercially available video software as a video camera. Simply connect it to your PC with the supplied USB cable, turn the Mode dial to PC Camera and then it turn on. For more on this mode, see page 33.





## CHAPTER 5 – USING THE LCD DISPLAY







When the camera is in any mode other than Setup mode, icons on the LCD display indicate current camera settings such as zoom, image quality, etc. This chapter describes these icons and their meanings.



## LCD ICON DESCRIPTIONS

Icon	Name	Description
	Auto Flash	The camera senses whether the flash is needed by detecting the amount of ambient light.
	Flash Off	Flash is turned off, regardless of the amount of light available.
	Red-Eye Reduction	Use the Red-Eye Reduction function to reduce the occurrence of "red-eye" (eyes appear red in the pictures due to flash reflection off the eyes' retinas.) This function causes the camera to flash quickly before the picture is taken to reduce red-eye.
	Flash On	Flash is always on, regardless of light available.
	Snapshot Mode	Indicates the camera is in Snapshot mode (the standard mode for taking pictures.)

Icon	Name	Description
	Self-Timer	Indicates the camera is using the Self-Timer preset. Pressing the Shutter button will initiate the 10-second count-down timer before taking a picture.
	Playback Mode	Indicates the camera is in Playback mode. This mode is used to view pictures stored on the camera's internal memory or on the memory card.
	Zoom	Indicates the level of zoom currently applied. In Video Mode, zoom options are: x1.0, x1.1, x1.2, x1.3, x1.4, x1.5, x1.6, x1.7, x1.8, x1.9, x2.0. In Snapshot Mode, zoom options are: x1.0, x1.2, x1.4, x1.6, x1.8, x2.0, x2.2, x2.4, x2.6, x2.8, x3.0. In Playback Mode, zoom options are: x1.0, x1.5, x2.0, x2.5, x3.0, x3.5, x4.0.
	Batt. Indicator	Indicates the level of battery power remaining.

Icon	Name	Description
	White Balance	Indicates the current White Balance setting. The default setting is Auto.
	Auto WB	The camera automatically determines the White Balance setting.
	Daylight	Use this setting when taking pictures in bright daylight, to reduce the effect of "whitewashed" pictures.
	Shade	Use this setting when taking pictures in shade, or any time your pictures come out too dark.
	Tungsten	Use this setting for taking pictures under tungsten or incandescent light (standard light bulbs).
	Fluorescent	Use this setting for taking pictures under fluorescent light.



## TROUBLESHOOTING

Problem	Possible cause	Solution
The camera has no power.	The camera is turned off.	Press the power button to turn the camera ON.
	The batteries have run down.	Replace the batteries with fresh ones. Refer to Inserting Batteries.
	The batteries are inserted incorrectly.	Check the battery orientation. Refer to Inserting the Batteries.
The camera won't take a picture.	Ensure the green Camera Ready LED is on and not flashing.	If the light is flashing, wait until it emits a steady light before taking a picture. The camera may be waiting for the flash to charge.
	Is the camera connected to a computer?	The camera's buttons are not functional when connected to a PC. Disconnect the camera to take more pictures.

Problem	Possible cause	Solution
Windows ME and Windows 2000: when the USB cable is unplugged from the PC, an "Unsafe Removal Device Detected" error message appears.	When removing USB devices, it is recommended that users follow the "Safe Removal of USB Device" procedure.	<p>Procedure:</p> <p>Right-click the Unplug or Eject hardware icon at the bottom-right of your computer screen.</p> <p>Left-click the Unplug or Eject hardware text box to open the 'Unplug or Eject Hardware' screen.</p> <p>From the 'Unplug or Eject Hardware' screen, select the device to be disconnected and then click the Stop button to bring up the 'Stop a Hardware device' confirmation screen.</p> <p>From the 'Stop a Hardware device' confirmation screen select the device to be stopped and click OK to bring up the 'Safe To Remove Hardware' confirmation.</p> <p>Disconnect the Camera from your PC.</p>

Problem	Possible cause	Solution
Images lose formatting data during image capture in "PC Camera" mode.	If your hard disk's DMA setting is turned off images may lose formatting data during image capture. (Windows 98 and Windows ME only.)	<p>Please check to make sure your hard drive's DMA setting is enabled, as follows:</p> <p>From the Windows Start menu, select Settings, then Control Panel.</p> <p>In the Control Panel double-click System, then click the Device Manager tab.</p> <p>Select your hard drive from the list, then click Properties.</p> <p>Click the Settings tab.</p> <p>Make sure the box marked DMA is checked. If not, check the box to ensure that your hard drive will protect image attributes during capture.</p>

Problem	Possible cause	Solution
Turning on the camera causes the power LED to flash green, red, orange, and green, then the camera crashes.	The SmartMedia™ card is inserted improperly into the card slot.	Ensure the camera is off. Remove the SmartMedia™ card from the camera's card slot. Ensure that it is oriented properly and then re-insert it into the card slot. When the card clicks into place, it is inserted completely and properly. Turn the camera back on.
MSN Messenger cannot use the Video Conference function with the camera as the source in Windows XP.	The camera's drivers do not support RGB or the I420 image format.	As such, MSN Messenger cannot run the Video Conference function using the camera as the source. Please run NetMeeting instead of MSN Messenger in order to use the Video Conference function.

Problem	Possible cause	Solution
Ulead Photo-Explorer cannot acquire images while the digital camera is in PC-Camera mode.	The camera's drivers do not support RGB or the I420 image format. As such, Ulead PhotoExplorer cannot acquire still images.	Please go to the support web site to download a patch file for Ulead PhotoExplorer that will correct this problem.
Ulead Photo-Express cannot acquire images while the digital camera is in PC-Camera mode.	The camera's drivers do not support RGB or the I420 image format. As such, Ulead PhotoExpress cannot acquire still images.	Please go to the support web site to download a patch file for Ulead PhotoExpress that will correct this problem.

## **ADDITIONAL SUPPORT**

If the suggestions in the above section have not solved your problem, please contact our customer service hotline. However, before you contact your Technology Center, please have the following information available:

- How is your computer configured?
- What additional peripherals do you use?
- What messages, if any, appear on your screen?
- What software were you using when the error occurred?
- What steps have you already undertaken to solve the problem?
- Have you upgraded or removed drivers or hardware?
- Can you manually repeat the problem?

If you have been given a customer number previously, please give this number to the technician.