Digital Video Camera

User's Manual

Welcome

This is a high-quality yet affordable Digital Video Camera that allows you to create, edit, share and send photos to your friends and family.

This Digital Video Camera is also not just a Digital Camera. It lets you record short segments of movies or voice. What's more, it can be used as a Web camera when you connect it to a computer.

This easy-to-follow manual shows you how to use your new Digital Video Camera and install all the softwares included in the software CD-ROM. You'll find clear instructions on how to take pictures, record movies and voice, and use your Digital Video Camera as a PC camera. Guidelines on how to use the software to transfer photos and movie segments from the Digital Video Camera into your computer are also provided.

Whenever you want to send snapshots or short video clips via mails, create exciting photo albums, produce movies, or even chat with your friends or family face to face over the Internet, this Digital Video Camera gives you all the tools that you need.

Contents

1.Attention……4

Safty Precautions……4
Before Using Your Digtial Video Camera……4
Operational Cautions……5
Package Contents……5

2.Getting to Know Your Digital Video Camera……6

Digital Video Camera Controls……6
Front side View……6
Left Side View……6
Right Side View……6
Top View……7

3.Getting Started……8

Preparing Your Digital Video Camera……8

4.Start Using Your Digital Video Camera……9

Function Tree……9
Setup Mode……10
Movie Mode……11
Status Identifier……11
Recording Video ……12
Recording Video with Self-Timer……12
Voice modes……13
Status Identifier……13
Record Voice……13
Capture modes……14
Status Identifier……14
Shooting Photos……15
To take Close-up pictures……15
To take portrait and distant pictures……15
Digital Zoom……15
Snapshot Menu……16
Flash Function……19
Photo/Movie/Voice Playback Mode ……19
Status Identifier ……19
Image Playback……19
Movie Playback……20
Voice Playback……20

Album Function……..……..……..……..21
Playback Menu……..……..……..21

5.Connecting Your Computer…….. ...……..……..……....…….....28

Using the Digital Video Camera as a Web camera or a Mass Storage drive…..……..28
Connecting to Your TV/VCR……..……..……..……..29
System Requirements……..……..……..30

6.Installing Drivers… …….. ……... ……...31

7.Installing the Applications for PC……..……..……..……..……32

Appendix: Digital Video Camera Specifications……..…....……..……..34

1. Attention

Please read through this manual carefully before using the Digital Video Camera and follow the instructions to avoid damages caused by improper operations.

Safty Precautions

●The software CD-ROM packaged with the Digital Video Camera is for PC only. Playing this CD-ROM on a stereo or CD player may cause damages to it.

●This Digital Video Camera is a precision electronic device. Do not attempt to service this Digital Video Camera yourself, opening or removing covers may expose you to dangerous voltage points or other risks.
Do not expose this Digital Video Camera under direct sunlight to avoid causing a fire.

Before Using Your Digital Video Camera

●Try to take some pictures before you perform the formal recording.
Before taking pictures with this Digital Video Camera in any important occasion (such as a wedding ceremony or an overseas trip), do test the Digital Video Camera beforehand to ensure that it functions well. Any additional loss caused by the malfunction of this product (such as costs of photography or any loss of benefit generated by the photography) is not the responsibility of our company and no compensation will be given for it.

●Copyright information
Unless agreed by the right owner, all the pictures taken with this Digital Video Camera cannot be used in violation of copyright law. Moreover, when "No Photography" restriction is placed on site, you cannot record any live performance, improvisation or exhibits even for personal purpose. Any transfer of pictures or memory card with data must be conducted under the constraints of copyright law.

●Notes on the LCD (Liquid Crystal Display) monitor
1.If the liquid contacts the skin:
Please wipe dry the skin with a cloth and wash with large amount of water.
2.If the liquid gets in the eye:
Please immediately rinse with fresh water for at least 15 minutes and then consult with a doctor to receive treatment as soon as possible.
3.If anyone accidentally swallows the liquid:
Please rinse the mouth with water, drink large amount of water and receive treatment as soon as possible.

Operational Cautions

This product consists of intricate electrical parts. To ensure the photography normally, do not drop or hit the Digital Video Camera when taking pictures.

●Avoid to use or place the Digital Video Camera in the following locations:

1.Damp and dusty places.
2.Sealed vehicles or places exposed to direct sunlight or places subject to extremely high temperatures or heat.
3.Violently turbulent environment.
4.Locations full of smoke, oil fumes or steams.
5.Locations subject to strong magnetic field.
6.Raining or snowing environment.

●Do not open the battery cover when the power is on.

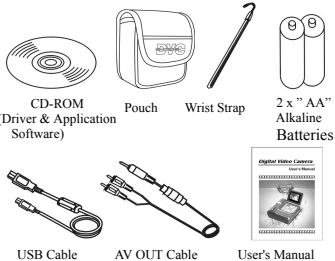
●If water has entered the Digital Video Camera, immediately turn the power off and remove the batteries.

●How to maintain your Digital Video Camera:

1.If lens or LCD monitor surface is dirty, please use lens brush or soft cloth to wipe clean instead of touching them with your fingers.
2.Do not use any solid object to hit the Digital Video Camera to avoid scratching the lens, or LCD monitor surface.
3.Do not use any detergent or volatile solution, which will subject the Digital Video Camera case and paint to solving or distortion. Use soft cloth only.

Package Contents

Please check if the following items are in the package when purchasing this product.

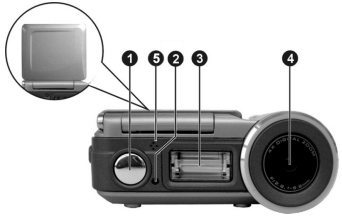


- CD-ROM (Driver & Application Software)
- Pouch
- Wrist Strap
- 2 x "AA" Alkaline Batteries
- USB Cable
- AV OUT Cable
- User's Manual

2. Getting to Know Your Digital Video Camera

Digital Video Camera Controls

Front Side View



❶ **Shutter**-Press the **Shutter** button to take pictures in Capture mode, and to start & stop recording movies(voice) in Movie(Voice) mode.

❷ **Self-timer LED**

❸ **Flash**

❹ **Lens**

❺ **Microphone**

Left Side View

❶ **Set Button-**Press the button to get into the Setup mode.

❷ **Mode Switch-**You can select the following modes by sliding this Mode switch:
1. Capture Mode
2. Movie Mode
3. Voice Mode

❸ **Battery Cover and SD Card slot**

Right Side View

❶ **Macro Switch-**The switch is used for "Normal" and "Macro" modes switching. icon will appear on LCD display when the Macro mode is selected.

Terminal Compartment

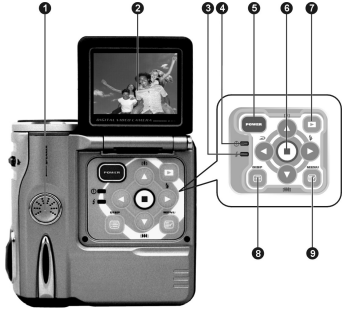
Located on the left side of the Digital Video Camera are the two ports for attaching the following cables: Audio/Video Output, USB. These ports will

enable you to attach the appropriate cables from the Digital Video Camera to your computer or TV/VCR.

❷ **Audio/Video Output Port**- Used to connect your Digital Video Camera to a TV/VCR for viewing images/movies stored in your Digital Video Camera.

❸ **USB Port** - Used to connect your Digital Video Camera to the computer via the USB cable. You can then transfer photos and recorded movies(voice) from the Digital Video Camera to your computer, or use the Digital Video Camera as a Web camera.

Top View



❶ **Speaker**

❷ **Color Liquid Crystal Display**

❸ **Strobe LED-**When the strobe is charging, this LED blinks, it will light on when the strobe is ready, and turns off when the strobe is turned off.

❹ **Power LED-**As the Digital Video Camera power turned on, the power LED will light . It blinks and goes off when batteries exhaust.

❺ **Power Button-**Press the button one second,then the Digital Video Camera will power on/off.

❻ **Enter Button-** The multi-function key set performs different operations in each mode, e.g. set , select , ok.

❼ **Playback Button-**Press the button to get into the playback mode. The playback button can be performed in “Capture”,”Movie”and”Voice” modes. Simply press the button again to leave playback mode and enter the mode selected by mode switch.

❽ **Display Button -** The **Display** button provides 3 display types of the LCD (such as Normal / Full Screen / Off) in" Capture", "Playback" and "Movie" modes.

❾ **Menu Button-**You can enter detail Menu functions in "Capture" , "Playback" and "Movie" modes.

Battery power level

- Full battery power
- Medium battery power
- Low battery power
- Battery exhausted

3. Getting Started

Preparing Your Digital Video Camera

●**Step 1** Insert two "AA" batteries into the battery compartment .
●**Step 2** When inserting SD/MMC memory card, follow the icon shown in the compartment to insert or remove the card push-and-pull.

Then, push the memory card all the way into the memory compartment and close the battery door, push the battery door down and then slide it closed.

> ***Note:*** When memory card is inserted, internal 16MB flash memory will be disabled no matter card is full or not.

●**Step 3** Attach the wrist strap to the strap holder at the side of the Digital Video Camera as illustrated in the picture below.

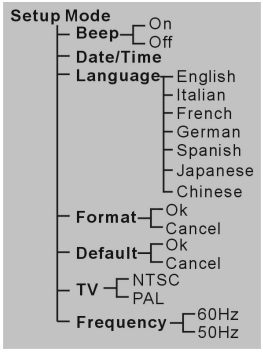
4. Start Using Your Digital Video Camera

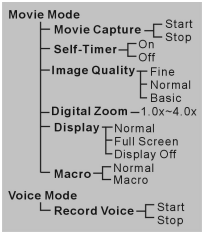
●**Step 1** Press **Power** button to turn on the Digital Video Camera. And Power LED will light on.

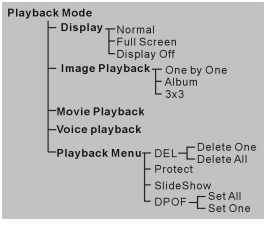
●**Step 2** The LCD Display will be turned on automatically.

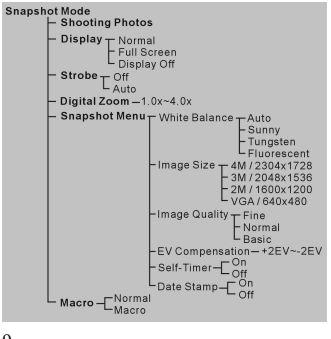
> ***Note:*** The LCD Display will be turned off automatically if you do not operate Camera over 30 seconds, the Camera will be turned off automatically if you do not operate it over 60 seconds.

Function Tree



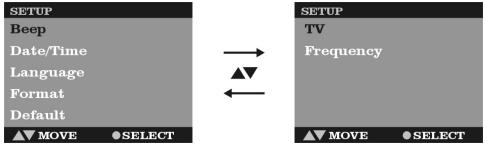






Setup Mode

Press the **Set** button to enter the setup menu**.**



You can configure the basic settings for Digital Video Camera:

1.Beep-Sound effect On/Off.
2.Date/Time-Date & time settings.
3.Language-Language setting:
English/Italian/French/German/Spanish/Japanese/Chinese.
4.Format-Formatting the internal memory or memory cards.
5.Default-Reset to preliminary settings.
6.TV-TV output format setting : NTSC/PAL
7.Frequency-Fluorescent frequency : 50Hz/60Hz

Date /Time setting

●**Step 1** Press ▲▼ to move to the **Date/Time** option.

●**Step 2** Press **Enter** button to bring up the menu.

●**Step 3** Press ▲▼ to adjust Date/Time; press ◀▶ to select year, month, day, hour or minute.

●**Step 4** Press **Enter** button to save your settings and then exit.

Formatting the Memory Card

You are suggested to format your SD/MMC memory card before using it to store pictures.

●**Step 1** Press ▲▼ to move down to the **Format** option.

●**Step 2** Press **Enter** button to bring up the**"Cancel/OK"** Menu.

●**Step 3** To format the memory card, select "**ok**" on the screen and then press the **Enter** button. You will hear a ring sound when you press it.

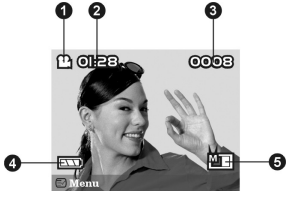
●**Step 4** The Digital Video Camera then begins formatting the memory card. Wait for the formatting process to finish.

●**Step 5** After the memory card has been formatted; all the pictures and datas in the memory card will be deleted. And there is a message showing: **Format OK**

Movie Mode

Slide the **Mode switch** to select **Movie Mode**

Status Identifier



❶ Movie Mode Indicator

❷ Movie recording time

❸ Image Number

❹ Battery Status Indicator

❺ Card Indicator

Recording Video

With your Digital Video Camera, you can record short sequences of video at a rate of 15 frames per second. The Digital Video Camera stores video in AVI format.

●**Step 1** Press once the **Shutter** button to start recording video. You will see live views of the subjects or scenes you are recording on the LCD Display.

●**Step 2** And while recording, a red icon blinks on the upper left side of the LCD Display and the recording time counts up. The icon stops blinking and becomes green after you terminate the recording process.

●**Step 3** To stop recording, press the **Shutter** button again.

Recording Video with Self-timer

You can use Self-timer function for recording video clips, press **Menu** button to switch Self-timer on or off. When Self-timer set on, the icon will appear on center of LCD panel.

Self-timer function is same as in **Capture Mode(p.18)**.

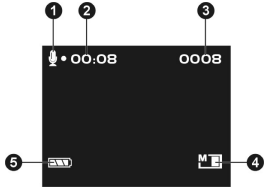
Image quality setting

Its operating is same as **Capture Mode(p.17)**.

Voice mode

With your Digital Video Camera,you can record voice just as a recorder. It can record music or dialog if you like. The file of voice is standard Microsoft WAV format. The file can be broadcasted on the Digital Video Camera or PC, and you can broadcast on TV but it must connect to TV through AV cable first.

Status Identifier



1. Voice Icon
2. Record Length
3. Image Number
4. Card Indicator
5. Battery Indicator

Record Voice

Slide **modes switch** to the **Voice**

●**Step 1** Press once the **Shutter** button to start recording voice.

●**Step 2** And while you are recording, an red icon ● blinks on the upper left side of the LCD Display. And the icon disappear after you terminate the recording process. And the recording time counts up as you continue shooting.

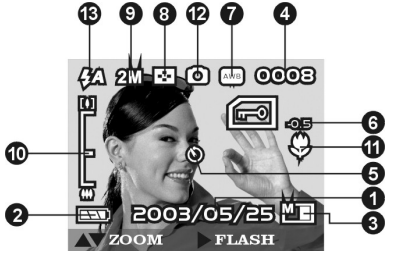
Step 3 Press **Shutter** button to stop the voice recording.

The voice playback function is in **Playback** mode.

Capture Mode

Slide **Mode switch** to **Capture Mode**

Status Identifier



❶ **Date Stamp** (Default is not displayed).
❷ **Battery Status Indicator:**
(Full) Half Low Empty
❸ **Memory Card Status:**
Use Internal Memory Internal Memory Full
Use SD Card SD Card Full
❹ **Image Number.**
❺ **Self-timer Indicator.**
❻ **EV Level**
❼ **White Balance:** Auto, Sunny, Tungsten, Fluorescent.
❽ **Image Quality:** Fine, Normal, Basic.
❾ **Image Size: 4M**(2304x1728), **3M**(2048x1536),
2M(1600x1200), **VGA** (640x480).
❿ **Zoom Lever:** (Normal), (4.0x Zoom).
⓫ **Macro Indicator**
⓬ **Capture Mode Indicator**
⓭ **Flash Mode:** (OFF), (Auto),

Warning:
Card Lock , the sign shows up blinking as the **Shutter** Button pressed with the memory card locked physically.
Memory Full , the sign shows up blinking when the internal memory or the inserted memory card is full. Please notice that the capturing functions will not access when the Warning signals appear.

Shooting Photos

Taking pictures with your Digital Video Camera is a snap. Just point and shoot!

●**Step 1** Make sure the Digital Video Camera is turned on.

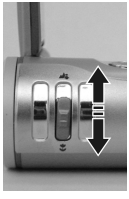
●**Step 2** Use the LCD display to frame the subjects you want to photograph.

●**Step 3** Press the **Shutter** button to take a picture.

The LCD will turn off until it is stored in the memory. When the LCD Display resume, you may focus your next target to take the next picture.

To take close-up pictures

●**Step 1** Push the **Macro switch** downwards to select **Macro mode** .
The Macro indicator on the LCD display will show , allowing you to take pictures at a closer range (between 25~30cm).



●**Step 2** To take pictures, follow the steps in the "Shooting Photos" section.

To take portrait and distant pictures

●**Step 1** Push the Macro switch upward. This sets the Digital Video Camera to normal mode, and the icon on the LCD panel will disappear, allowing you to take pictures of people or sceneries which distance 1.2m~infinity.

●**Step 2** To take pictures,follow the steps in the "Shooting Photos "section.

Digital Zoom

The Zoom Lever hides normally, press ▲▼ to enter **Zoom in / Zoom out** functions, the framed image can be zoomed between 1.0X ~4.0X.

Snapshot Menu

In **Capture mode**, press **Menu** button to enter **Snapshot Menu:**

White Balance Setting

●**Step 1** Use ◀▶ to select **WB** on the menu bar.

●**Step 2** Press **Enter** button to enter White Balance setting menu.

●**Step 3** You can use ▲▼ to select **Auto, Sunny, Tungsten**, and **Fluorescent**.

●**Step 4** Press **Enter** button to confirm your selection, or press **Menu** button to cancel it.

Image Size Setting

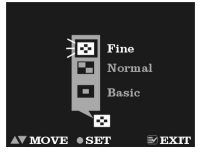
●**Step 1** Use ◀▶ to select the image size icon on menu bar.
●**Step 2** Press **Enter** button to enter **Image Size** setting menu.

●**Step 3** You can use ▲▼ to select:
VGA : Fine quality, 640*480 pixels
2M : Best quality, 1600*1200 pixels
3M : 3M Scale up, 2048*1536 pixels(firmware interpolation)
4M : 4M Scale up, 2304*1728 pixels(firmware interpolation)
●**Step 4** Press **Enter** button to confirm your selection, or press **Menu** button to cancel it.

Image Quality Setting

●**Step 1** Use ◀▶ to select ▩ on the menu bar.

●**Step 2** Press **Enter** button to enter Image Quality setting menu.



●**Step 3** You can use ▲▼ to select **Fine**, **Normal** and **Basic**

●**Step 4** Press **Enter** button to confirm your selection, or press **Menu** button to cancel it.

Exposure Value Setting

●**Step 1** Use ◀▶ to select **EV** on the menu bar.

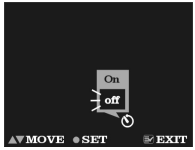
●**Step 2** Press **Enter** button to enter **Exposure Value** setting menu.

●**Step 3** You can use ◀▶ to set **-2EV, -1.5EV, -1EV, -0.5EV, 0EV, +0.5EV, +1EV, +1.5EV,**and **+2EV.**

●**Step 4** Press **Enter** button to confirm your selection, or press **Menu** button to cancel it.

Self-Timer Setting

●**Step 1 Use** ◀▶ to select ⏲ on the menu bar.
●**Step 2** Press **Enter** button to enter **Self-Timer** setting menu.



●**Step 3** You can use ▲▼ to select **ON**, **Off**.

●**Step 4** Press **Enter** button to confirm your selection, or press **Menu** button to cancel it.

To Take a picture with self-timer

When the Self-timer function set On , a Self-timer icon ⏲ at center of the LCD display appears.

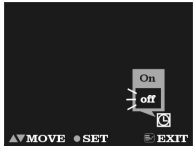
When **shutter** button pressed, the self-timer icon disappears while a number appears counting down from 10 with beep sounds and the self-timer LED blinks.

After count down to zero, the Digital Video Camera will take one picture.

Date Stamp setting

●**Step 1** Use ◀▶ to move to 🕒 on the menu.

●**Step 2** Press **Enter** button to enter **Date Stamp** setting menu.



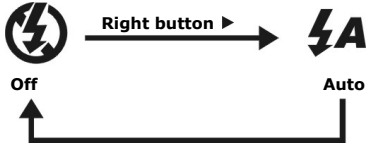
●**Step 3** You can use ▲▼ to select **ON**, **Off.**

●**Step 4** Press **Enter** button to confirm your selection, or press **Menu** button to cancel it.

> ***Note:*** After setting date stamp on, the date will display on LCD panel, and stamped on captured pictures later.

Flash function

Flash function is active Only in **Capture Mode**, the **Flash** has two status, if press **Right** button ▶, it can sequence into **Auto** and **OFF** status.



Photo/Movie/Voice Playback Mode

Press the **Playback** button to **Playback Mode**

Status Identifier

❶ Image Number.

❷ Image Total.

❸ Movie file Indicator.

❹ Movie play Length

❺ Locking Indicator

❻ Battery Indicator

Image Playback

Press ▲▼ to playback the previous image or the next image.

Press **Enter** button to the image zoom modes

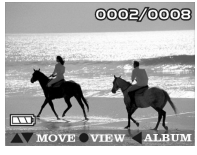
Press **Up** button ▲ to zoom in the image

Press **Down** button ▼ to zoom out the image

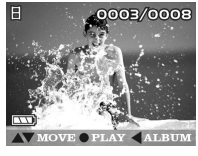
In this modes press the **menu** button into the pan modes

In this modes , you can press [▲]、[▼]、[▶]、[◀]
to preview the any partly image.

Press **Enter** button to quit the zoom modes or pan modes.



Movie Playback



When it comes to movie file , the movie indicator appears on the up-left corner of screen , by pressing the **Enter** button you can start playing the movie.Press **Enter** button to stop playing movie.

In movie playback you can press **Up** button ▲ or **Down** button ▼ to adjust volume,the volume indicator will appears on down-right corner of screen, and press **Menu** button to pause.

Voice playback

When it cames to voice file,the voice icon indicator appears on screen,by pressing the **Enter** button you can start playing the voice.Press **Menu** button to pause play process. Press **Enter** button to stop playing voice.
.

In voice playback process, press the [▲] 、[▼] button to adjust volume and then the volume appears on screen left side ,but press [▶] 、[◀] button to adjust the play time

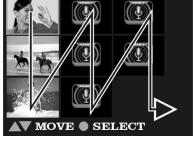
Album Function

●**Step 1** Enter **Playback Mode**.

●**Step 2** Press **Left** button ◀ to enter 3-frame Album function , which shows 3 images per page with a mid-size preview window. Use ▲▼ to change previewing images . (Pressing **ENTER** can return to Playback Mode which displays selected image with full screen.)

●**Step 3** Press **Left** button ◀ again to enter 3x3 Album, which supports to playback 9 images in a page, then use ▲▼ to select image.

●**Step 4** Press **ENTER** to playback selected image with full screen .



Playback Menu

Deleting Photos

You can choose to delete a single photo or all the photos stored in the Digital Video Camera.

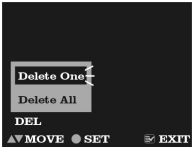
Deleting a Single Photo

●**Step 1** Make sure that the Digital Video Camera is in playback mode.
Example: Move to the picture which is going to be deleted.

●**Step 2** Press the **Menu** button to enter **Playback Menu** and then move to **DEL** with ◀▶
If press **Menu** button, the screen will return to **step 1**.

●**Step 3** Press the **Enter** button to bring up Delete menu: **Delete One** and **Delete All**.
If press **Menu** button, the screen will return to **step 2**.

●**Step 4** Press **Enter** button to confirm **Delete One**, then bring up current picture with Delete menu: **Cancel** and **Photo Number**.
If press **Menu** button, the screen will return to **step 2.**



●**Step 5** Press **Enter** to confirm your deleting operations. The image shown on the display will then be deleted and the previous image comes up.
If press **Menu** button, the screen will return to **step 2.**

●**Step 6** Select **Cancel** to stop deleting operation and go back to the Playback Menu.

Deleting All Photos
You may also choose to delete all the photos if the memory is already full and you want to free up the space to take more photos. But before you remove all photos, remember to transfer them to your computer.

●**Step 1** Make sure that the Digital Video Camera is in playback mode.

●**Step 2** Press the **Menu** button to enter **Playback Menu**.
If press **Menu** button, the screen will return to **step 1**.

●**Step 3** Press the **Enter** button to bring up Delete menu: **Delete One** and **Delete All**, If press **Menu** button, the screen will return to **step 2.**

●**Step 4** Press ▲▼ to select the **Delete All** option on the menu screen.
If press **Menu** button, the screen will return to **step 2**.

●**Step 5** Press **Enter** button to confirm **Delete All**, then bring up current picture with Delete menu: **Cancel** and **Delete All.**

●**Step 6** Press ▲▼ to select the **Delete All** option on the menu screen, and then press **Enter** button to confirm the erasing operation again.

If you change your mind and do not want to continue deleting all the pictures, press ▲▼ to select **Cancel** on the menu screen. Then press the **Enter** button. All your pictures will be retained.

●**Step 7** After all the pictures have been deleted, there is a message showing: **No picture**

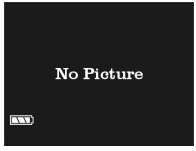


Image protect

Perhaps, you hope some images will not be deleted by accident; you can choose to protect specific photos taken in the Digital Video Camera.

●**Step 1** Press the **Menu** button to enter **Playback Menu**.

If press **Menu** button, the screen will return to **step 1**.

●**Step 2** Use ◀▶ to select

●**Step 3** Press **Enter** button to bring up **Protect Menu**.
If press **Menu** button, the screen will return to **step 3**.

●**Step 4** Press ▲▼ to select one image for protection.

●**Step 5** Press the **Enter** button to protect current image, then icon will appear on right top corner of the image that you selected. This means the image has been protected.

●**Step 6** If current image had been protected, you can press the **Enter** button to unprotect it, and then icon will disappear on right top corner of the image that you selected. This means the image protection had been disabled.

If press **Menu** button, the screen will return to **step 3**.

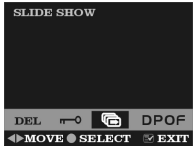
Slide Show

You can slide show all pictures previously taken with the Digital Video Camera.

●**Step 1** Use ◀▶ to move to

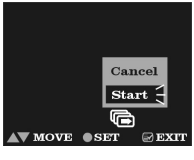
●**Step 2** Press **Enter** button to bring up **Slide Show** Menu: **Cancel** and **Start**.

If press **Menu** button, the screen will return to **step 1**.



●**Step 3** Press ▲▼ to select the **Start** on the menu screen, and then press **Enter** button to slide show all of your pictures.

●**Step 4** Press **Enter** button to stop slide show.



DPOF Function

Selecting DPOF option in Playback Menu can directly send your selected photo to the compatible printers that read DPOF (Digital Print Order Format) files.

●**Set All Pictures to DPOF file**

●**Step 1** Press the **Menu** button to enter **Playback Menu**.

If press **Menu** button, the screen will return to **step 1**.

●**Step 2** Use ◀▶ to move to **DPOF**

If press **Menu** button, the screen will return to **step 1**.

●**Step 3** Press **Enter** button to bring up **DPOF** Menu:
Set All and **Set One**.

If press **Menu** button, the screen will return to **step 2**.

●**Step 4** Press ▲▼ to select **Set All** on the menu screen, and then press **Enter** button to set all of your pictures, which would indicate print number 1 only, to **DPOF** files unless specific picture marked from following **Set Single Picture** process

Note: All pictures, which had not been set to DPOF file, will be set to DPOF file, and print number is 1.

You can reset all **DPOF** pictures by select **Reset All** and then press **Enter** Button.

Set Single Picture to DPOF file

●**Step 1** Press the **Menu** button to enter **Playback Menu**.

If press **Menu** button, the screen will return to **step 1**.

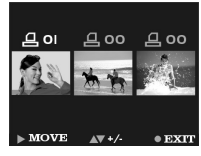
●**Step 2** Use ◀▶ to move to **DPOF**

If press **Menu** button, the screen will return to **step 1**.

●**Step 3** Press **Enter** button to bring up **DPOF** Menu: **Set All** and **Set One**.

If press **Menu** button, the screen will return to step 3.

●**Step 4** Press ▲▼ to select **Set One** option on the menu screen, and then press **Enter** button to enter menu for setting single picture to DPOF file.



●**Step 5** Press ▶to select single picture, use ▲▼ to adjust print number, number **zero** means this picture is not set in **DPOF** file.If come to the last file press ▶ will return to the first file.

●**Step 6** After setting single picture to **DPOF** file, press **Enter** button to return to **Step 3**.

5. Connecting Your Computer

You need to connect the Digital Video Camera to your computer's USB port to transfer photos into your computer. This section shows how you can connect the Digital Video Camera to your computer.
You must install the Digital Video Camera Driver from the software CD-ROM before connecting to ensure your computer functions properly with USB. See the section **"Installing Software"** for details on how to install the driver.

Using the Digital Video Camera as a Web camera or a Mass Storage drive

When you connect Digital Video Camera to your computer, you can use it as a Web camera or a Mass Storage drive. You can then join video conferencing sessions on the Internet with your Digital Video Camera. You need to install the Digital Video Camera Driver and required application softwares from the software CD-ROM before you can start using it as a Web camera. See the section **"Installing Software"** for installation instructions.

Using the Digital Video Camera as a Web camera, it also lets you capture video directly into your computer and editing or enhancing your videos. See the section **"Installing Software"** for installing instructions.

●**Step 1** Make sure the Digital Video Camera loads two "AA" batteries in the compartment.

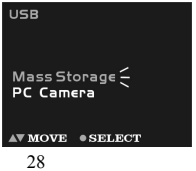
●**Step 2** Connect the smaller end of the USB cable into the USB port of your Digital Digital Video Camera.

Note: *Make sure to plug-in USB cable in right direction gently to avoid possible damage to USB connector.*

●**Step 3** Connect the other end of the USB cable to the USB port located on the back of your computer.

The Digital Video Camera's LCD Panel will turn on and enter

PC Connection Menu.



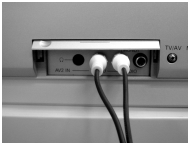
●**Step 4** Press ▲▼ to select **Mass Storage Drive** or **PC Camera** option on the menu screen, and then press **Enter** button to enter menu for Using the Digital Video Camera as a Web camera or a Mass Storage drive.

Connecting to Your TV/VCR

Connect your Digital Video Camera to a television if you want to have a larger view of your photos.

●**Step 1** Connect the black colored plug of the Audio/Video output cable into the Audio/Video out port in the Terminal Compartment on the left side of the Digital Video Camera.

●**Step 2** Connect the other end of the audio(the white plug) and video(the yellow plug) output cable to the Audio-in and Video-in plug on your TV/VCR.



Note: Locate the Audio/Video ports on your individual TV/VCR and insert the video output connector into the Video port.

●**Step 3** On your television, select the channel for auxiliary Audio/Video input.

Note: Channels may vary by manufacturers; refer to your VCR's operating manual.

System Requirements

At least refer to the minimum system requirements for the Digital Video Camera. We recommend that you use a computer system that exceeds the minimum requirements in order to utilize the Digital Video Camera at its optimum efficiency. The minimum system requirements for the Digital Video Camera is as the following:

System (PC) Requirements	
OS	Microsoft Windows 98SE/Me/2000/XP
CPU	Intel Pentium 166MHz or higher
Memory	Minimum 32 MB memory or above
CD-ROM	4X or above
HDD	10 MB free disk space (minimum)
Others	One standard USB 1.1 port

Note: Before playing Video Clips(*.AVI file) ,make sure your PC has been installed with DirectX8.0 or higher, and installed sound effective card into you computer

6. Installing Software

You can use the **PC Camera** and **Mass Storage** functions of the camera via PC. To install the proper camera driver, perform the following:

●**Step 1** Insert the software CD-ROM supplied with the package into the CD-ROM drive.

●**Step 2** The Auto-run program will be executed and the welcome screen appears:(If your CD-ROM drive doesn't support the auto-run function. Please double press on the **"My Computer"** icon on the desktop. Double press the CD-ROM drive icon and press the **InstallMgr.exe** file in the root directory.

●**Step 3** Press on the drivers to install them, and the following screen will appear :

●**Step 4** Press **Next** to continue the setup program. After the camera driver installed successfully, a message will appear on the screen as following:

●**Step 5** Press Finish to restart the computer and finish the driver installation.

7. Installing the Applications for PC

Install **Arcsoft Software** (Take Photo Impression Installation for example)

●**Step 1** Insert the software CD-ROM supplied with the package into the CD-ROM drive.

●**Step 2** The Auto-run program will be executed and the welcome screen appears:

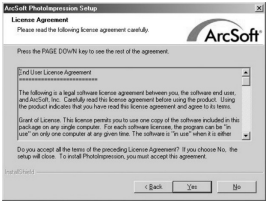
(If your CD-ROM drive doesn't support the auto-run function. Please double press on the **"My Computer"** icon on the desktop. Double press the CD-ROM drive icon and press the **InstallMgr.exe** file in the root directory.

●**Step 3** Press the **Arcsoft PhotoImpression** to install, and the screen will appear as following:

●**Step 4** Select the language for installation. press **Enter** button to confirm your selection.

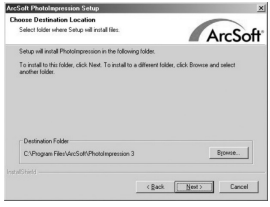
●**Step 5** You will see the Welcome screen. Press **Next** to continue.

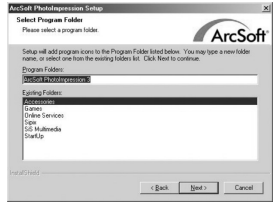
●**Step 6** Enter **Software License Agreement** window. Please press **Yes** to continue installation.



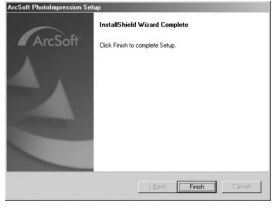
●**Step 7** Please follow the instructions of installation Wizard to select a destination folder and components you need.

●**Step 8** Please select the program folder you want to install.





●**Step 9** When the installation is completed, the window below will appear. Press **Finish** to end the installation.



Appendix: Camera Specifications

●**Lens :** f=9.6 mm
●**Image Sensor :** 2.0 mega pixel CMOS sensor
●**Focus:** F/2.8
●**Sensitivity :** ISO 100
●**White Balance :** Auto, Sunny, Tungsten, Fluorescent.
●**Shutter:** Electrical
●**Shutter Speed :** 1/4 sec. ~ 1/2000 sec.
●**Storage Media :** 16MB Internal Flash Memory and SD / MMC Card Slot (supports max. 512MB card)
●**Image File Format :** JPEG for Still Image; AVI for Motion Image
●**Image Resolution :**
- ➢2304x1728(Firmware Interpolation Technology)
- ➢2048 x 1536(Firmware Interpolation Technology)
- ➢1600 x 1200
- ➢640 x 480

●**Digital Zoom :** 10-Step 4X Digital Zoom
●**Focal Range :** Standard: 1.2m ~ Infinity Macro: 25 ~ 30cm
●**Self-timer :** 10 sec. delay
●**PC-CAM Mode :** 20～30 fps. (320 x 240) ;15~25 fps. (640 x 480)
●**Flash Mode :** Auto,Off
●**AV-OUT :** NTSC / PAL options
●**PC Connection :** USB (Ver. 1.1)
● **Movie File :** Recording continuous movie file with 320 x 240 format:

Internal 16MB memory	Fine	Normal	Basic
	80 Seconds	120 Seconds	200 Seconds

● Voice File: 61 Minute
●**Recordable Image Numbers (16MB) :**

		640X480	1600X1200	2048X1536	2304X1728
16MB	Fine	85	15	10	5
	Normal	130	25	20	15
	Basic	180	30	25	20

●**Power Supply :** 2 x "AA" alkaline Batteries
●**Dimensions :** 82 x 82 x 33 mm
●**Weight :** About 120g (batteries excluded)