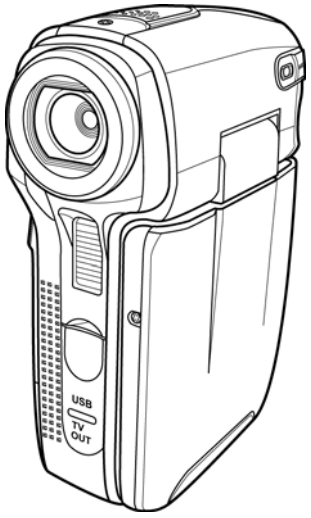
DXG-563V

User's Manual



DXG USA

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Preface

Congratulations on your purchase of this advanced video camera. Ensure that you read this manual carefully and keep it in a safe place for future reference.

About this manual

Every effort has been made to ensure that the contents of this manual are correct and up to date. However, no guarantee is made regarding the accuracy of the contents. If the contents of this manual do not tally with the camera, please take the camera as a criterion. We reserve the right to change the contents of this manual and specifications of the product without prior notice.

If the accessories do not tally with the actual package, please take the actual package as the criterion.

Copyright

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All rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system or translated into any language or computer language, in any form or by any means, electronic, mechanical, magnetic, optical, manual or otherwise, without the prior written permission of the manufacturer.

Precautions

General precautions

- Do not use or store the product in dusty, dirty, or sandy areas, as its components may be damaged.
- Do not store the product in a hot environment. High temperatures can shorten the life of electronic devices, damage batteries and warp or melt certain plastics.
- Do not store the product in cold areas. When the product warms up to its normal temperature, moisture can form inside and may damage the electronic circuits.
- Do not attempt to open the casing or attempt your own repairs. High-voltage internal components create the risk of electric shock when exposed.
- Do not drop or knock the product. Rough handling may damage the internal components.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the product. Wipe the product with a slightly damp soft cloth.
- Do not fire the flash while it is too close to the subject's eyes. Intense light from the flash can cause eye damage if it is fired too close to the eyes. When using the flash, the camera should be at least one meter from the eyes of the subject.
- Do not open the battery cover while an image is being recorded. Doing so will not only make storage of the current image impossible, it can also corrupt other image data already stored in file.
- If the product or any of its accessories are not working properly, take them to your nearest qualified service center. The personnel there will assist you and if necessary, arrange for the product to be repaired.
- Test for proper operation before using the camera.

- Before using the camera to record images, make sure you first record a number of test images and check the results to ensure that the camera is configured correctly and operating properly (refer to Section 2 “Getting started”).

Notes on the LCD Screen

Caution must be observed when dealing with the fluid contained in the LCD. Ensure that fluid does not leak if the screen becomes cracked or damaged. If this occurs, follow these steps:

- If the fluid makes contact with skin, wipe it with a clean cloth then rinse with a large amount of water.
- If the fluid makes contact with eyes, wash eyes with clean water for at least 15 minutes and seek immediate medical attention.
- If the fluid is swallowed, first rinse mouth with water, then drink a large amount of water and induce vomiting. Seek immediately medical attention.

Operation conditions

- This camera is designed for use in temperatures ranging for 0°C to 40°C (32°F to 104°F)
- Do not use or keep the camera in the following areas.
  -in areas subject to direct sunlight
  -in areas subject to high humidity or dust
  -near air conditioners, heaters, or other areas subject to temperature extremes
  -inside of a closed vehicle, especially one parked in the sun.
  -in areas subject to strong vibration

Power supply

- Use only the type of battery that came with your camera. Using any other type of battery may damage the equipment and invalidate the warranty.
- Ensure that battery is inserted correctly. Inserting the battery incorrectly can cause damage to the product and possibly start a fire.
- Remove the batteries to avoid fluid leakage if the camera is not going to be used for a long time.
- If the batteries are crushed or damaged, remove them immediately to avoid battery fluid leakage and abnormal expansion.

Before You Start

Take some test shots before performing a formal recording.

Before taking pictures with this DV camera in any important occasion (such as a wedding ceremony or an overseas trip), do test the DV camera beforehand to ensure that it functions properly. 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 the manufacturer and no compensation will be given for it.

Copyright information

Observe "No Photography" notices in certain locations. In these cases, you cannot record any live performance, improvisation or exhibits, even for personal purposes. Any transfer of pictures or memory card data must be conducted under the constraints of copyright law.

1 Introducing the camera

Read this section to learn about the features and functions of the video camera. This chapter also covers system requirements, package contents, and descriptions of the hardware components.

1.1 System requirements

The video camera requires a PC with the following specifications:

- Windows® XP, 2000, Vista (32bit) operating system
- Intel® Pentium III 500MHz CPU or higher
- At least 32 MB of RAM or higher
- Standard USB 1.1 port or higher
- 4x speed CD-ROM drive or higher
- At least 200MB of available disk space

Note: A USB 1.1 port will enable you to transfer files to and from your host PC, but transfer speed will be much faster with a USB 2.0 port.

1.2 Features

The video camera offers a variety of features and functions including:

- Digital camcorder
- Voice recorder
- Digital camera (max. 12 Megapixels)

Additionally, the camera has 4X digital zoom, and functions as a USB mass storage and an SD card reader.

Design and specifications are subject to change without prior notice.

1.3 Unpacking the video camera

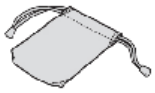
The following items should be present in the package. If any item is missing or appears damaged, contact your dealer immediately.

Video camera

USB AV cable

4 x AAA alkaline batteries

Wrist strap



Pouch

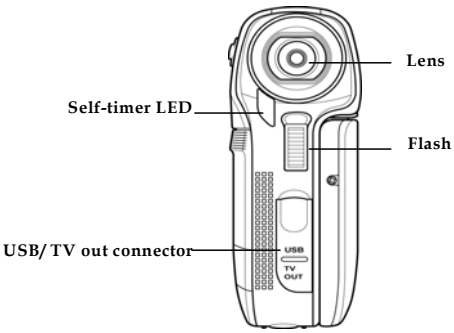
CD-ROM
(Driver and application software)

Quick Start Guide

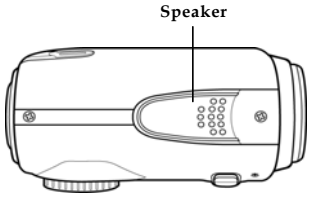
1.4 About the camera

Refer to the following illustrations to familiarize yourself with the buttons and controls of this video camera.

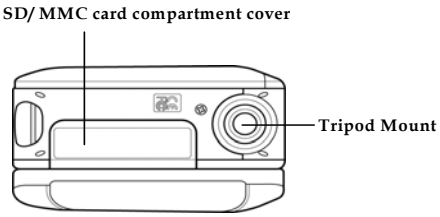
1.4.1 Front view



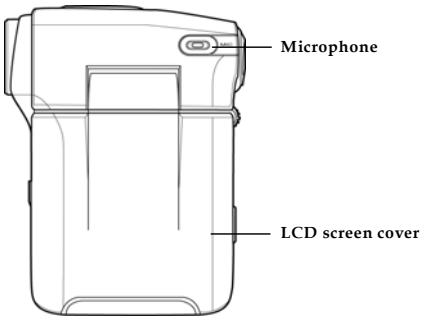
1.4.2 Top view



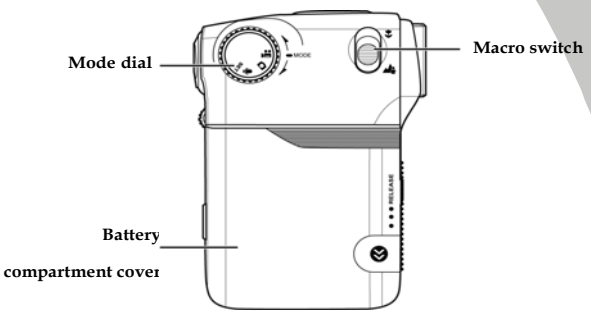
1.4.3 Bottom view



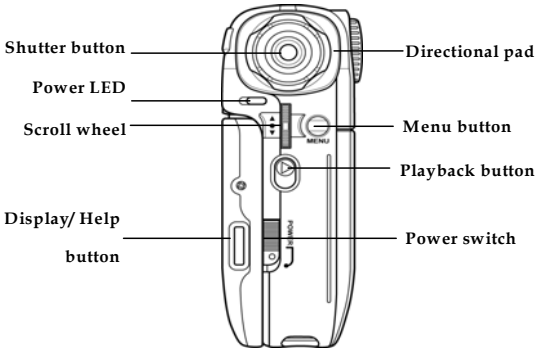
1.4.4 Right view



1.4.5 Left View

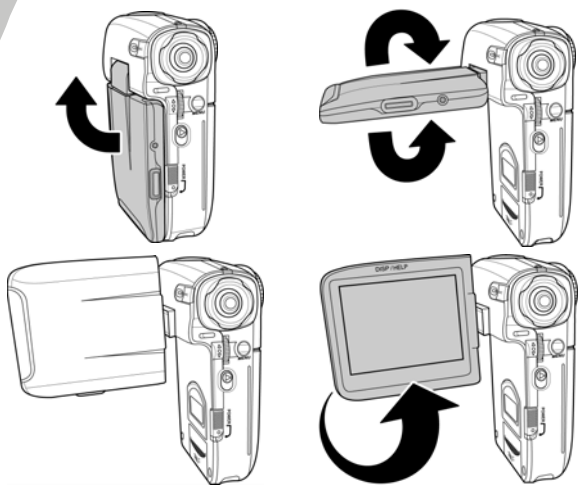


1.4.6 Back View



1.4.7 Adjusting the LCD display

Flip and twist the LCD screen as shown when capturing a still image or recording a video clip.



See the table below for a description of each button's function.

Button	Name	Function
	Power switch	Slide the power switch down to turn power on/off.
	Menu button	Press to display main OSD menus.
	Mode dial	Use to toggle **Movie, Photo, Voice,** and **SET** modes.
	Directional pad	• In **Photo** mode, press the directional pad up to select image size, press down to select image quality, press right to select selftimer, and press left to select flash mode. • In **Movie** mode, press up to select image size, press down to select image quality, press right to select color effect, and press left to select white balance. • In **Movie/ Photo/ Voice Playback** mode, press left/right to select files to playback, press up to select files to delete, press down to select files to protect. • In **SET** mode, press up/down to select menu items.

	Shutter button	• In **Movie/ Voice** mode, press to begin or stop recording. • In **Photo** mode, press to take a photo. • In **Movie/Voice Playback** mode, press to start or stop playback. • In **Photo Playback** mode, press to switch to thumbnail view.
	Macro switch	Move the switch to the position to enable **Macro** mode.
	Playback button	Press to enter playback mode.
	Display/ Help button	Press once to display all OSD icons. Press again to turn all OSD icons off. Press a third time to display help diagrams, explaining all button functions.
	Scroll wheel	• In **Movie/ Photo** mode, move up to zoom in, and down to zoom out. • In **Movie Playback/Voice Playback** mode, press inwards to pause playback. Press again to resume. • In **Movie Playback/ Voice Playback** mode, move up/down to adjust playback volume.

		• In **Photo Playback** mode, move up/down to select the image you want to view. Press inwards and then move up and down to zoom in and out of a photo. • In **SET** mode, move up and down to highlight menu items and press inwards to select items.

2 Getting started

Read this section to learn how to start using the video camera. This section covers basic functions such as switching on, inserting the battery and memory cards, and configuring preliminary settings. See later chapters for advanced functions.

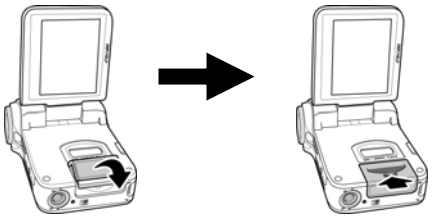
2.1 Inserting an SD card (sold separately)

An SD card can be installed in the video camera to provide additional storage space for still images, video clips, or other files.

1. Open the LCD screen cover and open the SD card compartment cover.

2. Insert an SD card as shown. Make sure the gold contacts are facing away from the battery.

3. Close the SD card compartment cover.



2.2 Inserting the batteries

This video camera is designed to use four AAA batteries. Only use the battery supplied or similar battery recommended by the manufacturer or your dealer.

Note: Install the batteries exactly as described here. Ensure that the polarity of the batteries is correct. Installing the batteries incorrectly could cause damage to the camera and possibly start a fire.

1. Open the battery compartment cover.

2. Insert the batteries as shown.

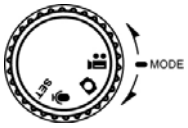
3. Close the battery compartment cover.

2.3 Turning on for the first time

Slide the power switch to turn the video camera on/off.

2.4 Changing modes

The video camera can operate in four modes, **Movie**, **Photo**, **Voice,** and **SET**. Move the mode dial to toggle different modes.



1		Movie mode
2		Photo mode
3		Voice mode
4	SET	System settings

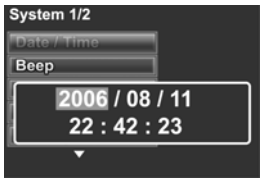
2.5 Before you start

Before you start using the video camera, some basic settings such as date and time and languages need to be configured.

2.5.1 Setting the date and time

1. Turn on the video camera, and move the mode dial to **SET**. Move the scroll wheel up/ down to highlight **Date/ Time**. Press the scroll wheel inwards to confirm.

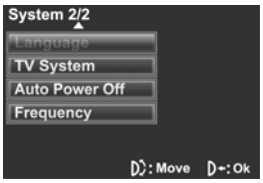
2. Press left/ right on the directional pad to highlight each field.



3. Adjust each value by pressing the directional pad up and down. Press the scroll wheel inwards to save your changes.

2.5.2 Setting the language

1. Turn on the video camera, and rotate the mode dial to **SET**. Move the scroll wheel up/ down to highlight **Language**. Press the scroll wheel inwards to confirm.

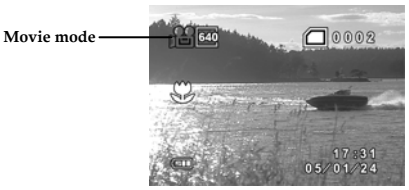


2. Use the scroll wheel to select the desired language. After the language is selected, press the scroll wheel inwards to confirm.

2.6 Shooting/ Playing videos

2.6.1 Shooting a video clip

1. Turn on the video camera and switch to **Movie** mode.



2. Use the LCD screen to frame the video.
3. Press the **Shutter** button to start recording.
4. Press the **Shutter** button again to stop recording.
5. The video clip is automatically saved with a unique file name.

Notes:

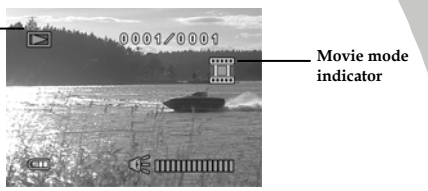
The maximum file size of each video recording file is 2G.

The size and quality affect the length of the recording.

High resolution and high quality settings will result in larger files, and therefore shorter length.

2.6.2 Playing back a video clip

1. In **Movie** mode, press the **Playback** button and the most recent file displays on the LCD screen.

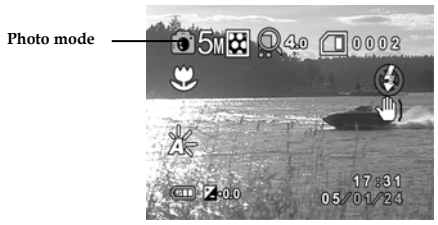


2. Press the directional pad left and right to scroll through the video clips. Press the **Shutter** button to playback the video clip.
3. To pause while playing back the video clip, press the scroll wheel inwards.
4. When viewing the video clip, move the scroll wheel up and down to adjust the volume.
5. Press the **Shutter** button to stop playing.
6. To delete the current file, press the directional pad up. Highlight the **OK** option and press the **Shutter** button to confirm.
7. Press the directional pad down to protect the current file. An icon displays on the screen when the file is protected. Press the directional pad down again to unlock the file.
8. Press the **Playback** button again to return to **Movie** mode.

2.7 Taking/ viewing pictures

2.7.1 Taking a still picture

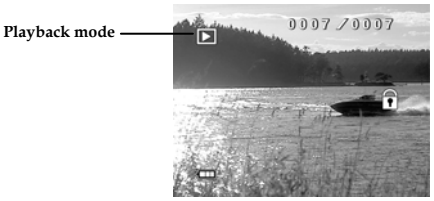
1. Turn on the camera and switch to **Photo** mode.



2. Use the LCD screen to frame the picture.
3. Press the **Shutter** button to capture the image.
4. The picture is automatically saved with a unique file name.

2.7.2 Viewing images

1. In **Photo** mode, press the **Playback** button and the most recent image displays on the LCD screen.



2. Press the directional pad left and right to scroll through the images.
3. Press the scroll wheel inwards to scale the image. Use the scroll wheel to move the zoomed image up and down, left and right.
4. Press the directional pad up to display the **Delete** option. Use the directional pad to choose **OK** to delete the current picture.
5. Press the directional pad down to protect the current picture. An icon displays on the screen when the file is protected. Move the directional pad down again to unlock the picture.
6. Press the **Playback** button again to return to **Photo** mode.

2.8 Voice recording

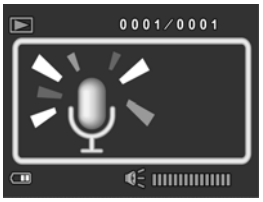
2.8.1 Taking a voice recording

1. Turn on the video camera and switch to **Voice** mode.

2. Press the **Shutter** button to start recording.
3. Press the **Shutter** button again to stop.
4. The voice file will automatically be saved with a unique file name.

2.8.2 Playing back a voice file

1. In **Voice** mode, press the **Playback** button and the most recent file is displayed on the LCD screen.

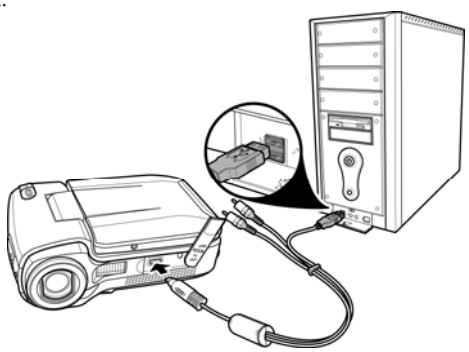


2. Press the directional pad left and right to select the voice file you want to play. Press the **Shutter** button to playback the voice file.
3. When playing a voice file, use the scroll wheel to adjust the volume.
4. Press the scroll wheel inwards to pause playback.
5. Press the **Shutter** button again to stop.
6. Press the directional pad up to delete the current file. Use the directional pad to highlight **OK** and press the **Shutter** button to confirm.
7. Press the directional pad down to protect the file. An icon displays on screen when the file is protected. Press the directional pad down again to unlock the file.
8. Press the **Playback** button to return to **Voice** mode.

2.9 Connecting to a computer

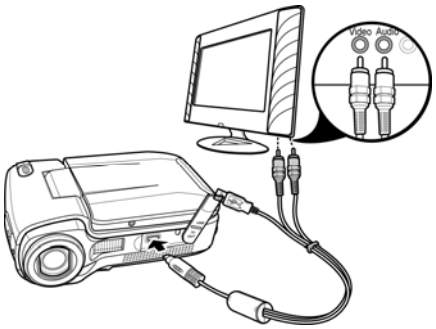
Read this section to learn how to transfer files to a PC, show the video clips or photos on a TV.

Connect the video camera to a computer with the USB AV cable provided.



2.10 Connecting to a TV

Connect the video camera to a TV as shown with the USB AV cable provided.



3 Using the camera

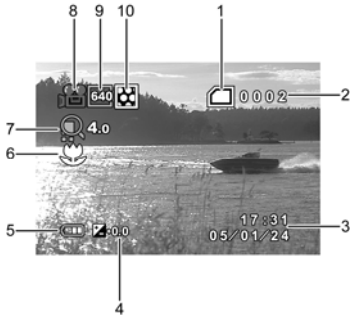
Read this section to learn how to use the camera.

3.1 Movie mode

Use **Movie** mode to capture video clips and store them in internal memory or on an SD card.

3.1.1 Movie mode icons

Use the following picture to familiarize yourself with the **Movie** mode icons and symbols.



See the table below for a description of each icon and symbol.

1		Memory status indicator : indicates that an SD card is inserted : indicates that SD card is used : indicates SD card is not inserted
2	0002	Displays the number of files saved
3	17:31 05/01/24	Date and time

4		EV compensation indicator
5		Battery indicator
6		Macro indicator
7		Zoom indicator
8		Video mode indicator
9		Image size indicator
10		Image quality indicator

3.1.2 Quick access menu

You can also make adjustments to the current settings by pressing the directional pad or the scroll wheel inwards.

In **Movie** mode, use the directional pad to display the quick access menu, where you can adjust file size, image quality, color effects, and white balance settings. Press the scroll wheel inwards to display the EV compensation setting.

To make adjustments, do the following:

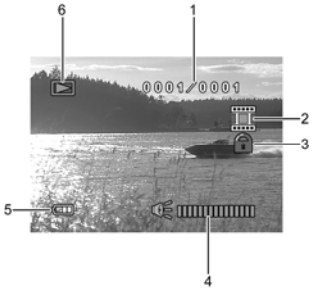
1. Press the directional pad up to select file size options.
2. Press the directional pad down to select image quality options.
3. Press the directional pad right to select color effect options.
4. Press the directional pad left to select white balance options.
5. Press the scroll wheel inwards to display the EV compensation. Move the scroll wheel up and down to adjust the EV value and press inwards to confirm.

3.2 Movie Playback mode

Use **Movie Playback** mode to review all the movie files stored in the video camera.

3.2.1 Movie Playback mode icons

Refer to the following picture to familiarize yourself with the **Movie Playback** mode icons and symbols.



See the table below for a description of each icon and symbol.

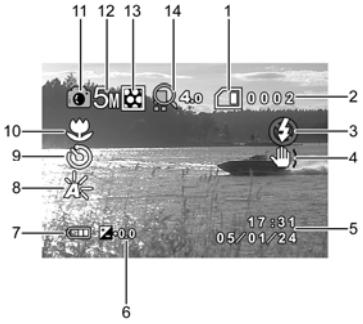
1	0001/0001	Displays the number of current video and the total number of taken video clips
2		Shows current file type
3		File protect indicator
4		Volume level
5		Battery status indicator
6		Playback mode icon

3.3 Photo mode

Use **Photo** mode to capture still pictures and store them in the internal memory or on an SD card.

3.3.1 Photo mode icons

Use the following picture to familiarize yourself with the **Photo** mode icons and symbols.



See the table below for a description of each icon and symbol.

1		Memory status indicator : indicates that an SD card is inserted : indicates that SD card is used : indicates SD card is not inserted
2		Displays the number of files saved
3		Flash indicator
4		'Do not shake camera' indicator

5		Date and time
6		EV compensation indicator
7		Battery indicator
8		White balance indicator
9		Self-timer indicator
10		Macro indicator
11		Photo mode indicator
12		File size indicator
13		Image quality indicator
14		Zoom indicator

3.3.2 Using the macro function

This function can capture subjects close to the lens. In macro mode, subjects can be as close as 15-16 cm.

While in **Photo** mode, move the macro switch on the side of the video camera to activate macro function, and an icon displays on the LCD screen.

Move the macro switch again to cancel the macro function.

3.3.3 Using the zoom function

The camera is equipped with 4X digital zoom.

Move the scroll wheel **up** to get closer to a subject.

Move the scroll wheel **down** to move away from a subject.

The zoom ratio is displayed on the screen.

3.3.4 Quick access menu

You can also make adjustments of the current settings by pressing the directional pad or scroll wheel.

In **Photo** mode, use the directional pad to display the quick access menu, where you can adjust image size, self-timer, image quality, and flash settings. Press the scroll wheel inwards to display the EV compensation setting.

To make adjustments, do the following:

1. Press the directional pad up to select file size options.
2. Press the directional pad down to select image quality options.
3. Press the directional pad left to select the flash mode.
4. Press the directional pad right to select selftimer.
5. Press the scroll wheel inwards to display the EV compensation. Move the scroll wheel up or down to adjust the EV value and press inwards to confirm.

3.4 Photo Playback mode

Use **Photo Playback** mode to review all the image files stored in the video camera.

3.4.1 Photo Playback mode icons

Refer to the following picture to familiarize yourself with the **Photo Playback** mode icons and symbols.

See the table below for a description of each icon and symbol.

1	0001/0001	Displays the number of current image and the total number of taken pictures
2		File protect indicator
3		Playback mode icon
4		Battery status indicator

3.4.2 Thumbnail mode

When in **Photo Playback** mode, press the **Shutter** button to show image as thumbnails.

1. Turn on the video camera and make sure it is in **Playback** mode.
2. The most recent image displays on the screen. Press the **Shutter** button to view **four** thumbnail images on the LCD screen.

3. Use the directional pad to highlight an image, press the **Shutter** button to view the image in full screen mode.
4. Press the **Shutter** button again to return to thumbnail view.

Note: Only image files are shown in thumbnail mode.

3.5 Voice mode

Use **Voice** mode to record a voice file and store it in internal memory or on an SD card.

3.5.1 Voice mode icons

Refer to the following picture to familiarize yourself with the **Voice** mode icons and symbols.

See the table below for a description of each icon and symbol.

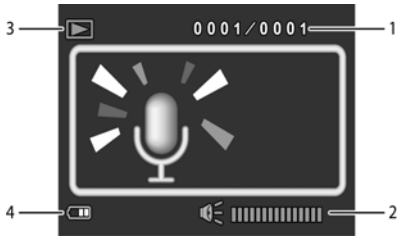
1	Displays the number of voice files recorded
2	Displays recording time

3.6 Voice Playback mode

Use **Voice Playback** mode to play all the voice recordings stored in the video camera.

3.6.1 Voice Playback mode icons

Refer to the following picture to familiarize yourself with the **Voice Playback** mode icons and symbols.



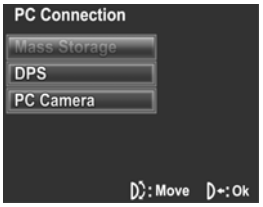
See the table below for a description of each icon and symbol.

1	0001/0001	Displays the number of current recording and the total number of recordings
2		Volume level
3		Playback mode icon
4		Battery status indicator

3.7 USB mode

You can use USB mode to connect to a printer or a host PC. Before connecting to a printer or PC, refer to "Installing software and drivers" on page 64.

When the video camera is connected to a computer or printer using the USB AV cable, the following menu displays.



Use the directional pad to highlight an option and press the scroll wheel inwards to confirm.

3.7.1 Using the PC cam feature

When set as a PC cam, the video camera can be used as a webcam for video conferencing.

3.7.2 Using the mass storage feature

When used as a USB mass storage device, the video camera displays as a removable drive in Windows Explorer. Drag and drop files to and from the removable drives just like any other storage devices.

3.7.3 Using DPS feature

Connect to a printer using the USB AV cable exactly in the same way, as you would connect a PC.

4 Using the menus

Read this section to learn how to configure the camera settings and use the advanced features.

4.1 Movie menu

When in **Movie** mode, press the **MENU** button to show the Movie Options menu.

4.1.1 Video size

Use this option to set the size of the captured video clips. Larger video sizes contain more details and therefore use more memory space.

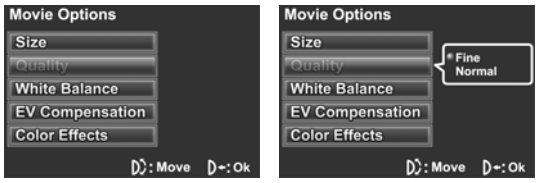
1. Turn the video camera on and ensure it is in **Movie** mode.
2. Press the **MENU** button and use the scroll wheel to highlight the **Size** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select **VGA** or **QVGA**. Press the scroll wheel inwards to confirm.

4. Press the **MENU** button again to exit the menu.

4.1.2 Video quality

There are two different levels of video quality setting. Higher quality video needs more memory storage space.

1. Turn the video camera on and ensure it is in **Movie** mode.
2. Press the **MENU** button and use the scroll wheel to highlight the **Quality** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select **Fine** or **Normal**. Press the scroll wheel inwards to confirm.

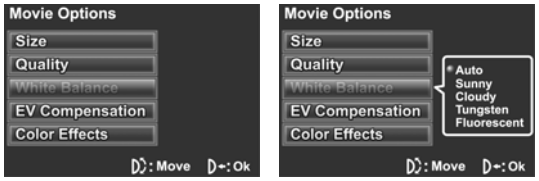


4. Press the **MENU** button again to exit the menu.

4.1.3 White balance

Use this option to correct color difference for different lighting conditions. When white balance is set to **Auto**, the video camera automatically compensates for different lighting conditions.

1. Turn the video camera on and ensure it is in **Movie** mode.
2. Press the **MENU** button and use the scroll wheel to highlight the **White Balance** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select **Auto**, **Sunny**, **Cloudy**, **Tungsten**, or **Fluorescent**. Press the scroll wheel inwards to confirm.

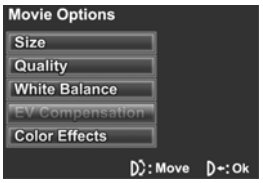


4. Press the **MENU** button again to exit the menu.

4.1.4 Exposure adjustment (EV)

Use this setting to change the exposure for pictures. Usually, this value is set to **zero**. Increase the value to light up a subject with strong back lighting, or decrease the value if taking a picture of something very bright.

1. Turn the video camera on and ensure it is in **Movie** mode.
2. Press the **MENU** button and use the scroll wheel to highlight the **EV Compensation** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to adjust EV value, which ranges from **–2 EV** to **+2 EV**. Press the scroll wheel inwards to confirm.

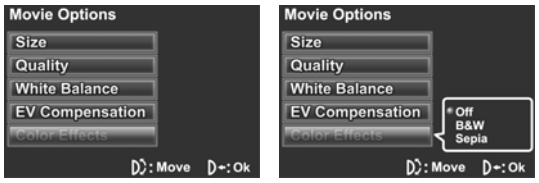


4. Press the **MENU** button again to exit the menu.

4.1.5 Color effect

The camera can capture standard color images, black and white images, or sepia tone to give an old-fashioned look.

1. Turn the video camera on and ensure it is in **Movie** mode.
2. Press the **MENU** button and use the scroll wheel to highlight the **Color Effects** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select **Off**, **B&W**, or **Sepia**. Press the scroll wheel inwards to confirm.



4. Press the **MENU** button again to exit the menu.

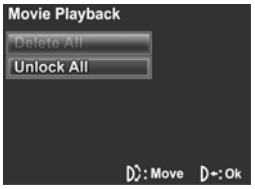
4.2 Movie playback menu

Use the playback menu to manage the files stored in the internal memory or on the SD card.

4.2.1 Delete All

Use this function to delete files.

1. Turn the video camera on and ensure it is in **Movie** mode. Press the **Playback** button and then press the **MENU** button to display **Movie Playback** menu.
2. Use the scroll wheel to highlight the **Delete All** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select **OK** or **Cancel**. Press the scroll wheel inwards to confirm.



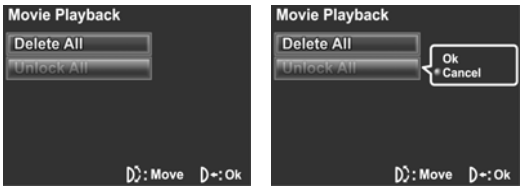
4. Press the **MENU** button again to exit the menu.

Note: Once deleted, files cannot be recovered. Make sure the files are transferred to PC via the USB AV cable or saved to other storage devices. Files that have been protected will not be deleted. You have to unlock the files first before deleting them.

4.2.2 Unlock All

Use this function to unlock files that are protected to prevent accidental deletion.

1. Turn the video camera on and ensure it is in **Movie** mode. Press the **Playback** button and then press the **MENU** button to display **Movie Playback** menu.
2. Use the scroll wheel to highlight the **Unlock All** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select **OK** or **Cancel**. Press the scroll wheel inwards to confirm.



4. Press the **MENU** button again to exit the menu.

Note: To lock a file, press the directional pad down in **Playback** mode. A lock icon is displayed to show that the file is protected.

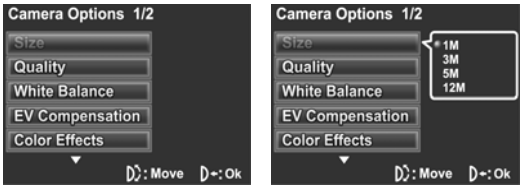
4.3 Picture menu

In **Photo** mode, press the **MENU** button to show the Camera Options menu.

4.3.1 Size

Use this option to set the size of the captured image. Larger images contain more details and therefore use more memory space.

1. Turn the video camera on and ensure it is in **Photo** mode.
2. Press the **MENU** button and use the scroll wheel to highlight the **Size** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select **1M**, **3M**, **5M**, or **12M**. Press the scroll wheel inwards to confirm.

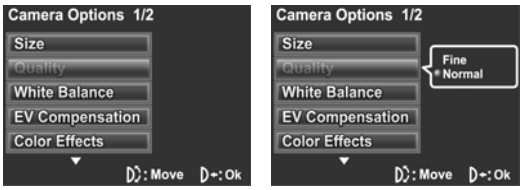


4. Press the **MENU** button again to exit the menu.

4.3.2 Image quality

Use this option to set the quality of the captured image. Higher quality images contain more details and therefore use more memory space.

1. Turn the video camera on and ensure it is in **Photo** mode.
2. Press the **MENU** button and use the scroll wheel to highlight the **Quality** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select from **Fine**, or **Normal**. Press the scroll wheel inwards to confirm.

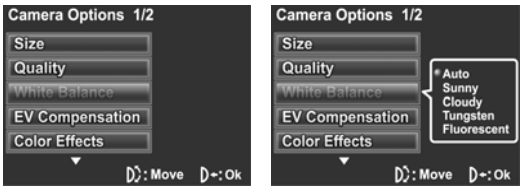


4. Press the **MENU** button again to exit the menu.

4.3.3 White balance

Use this option to correct color difference due to lighting conditions.

1. Turn the video camera on and ensure it is in **Photo** mode.
2. Press the **MENU** button and use the scroll wheel to highlight the **White Balance** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select **Auto**, **Sunny**, **Cloudy**, **Tungsten**, or **Fluorescent**. Press the scroll wheel inwards to confirm.

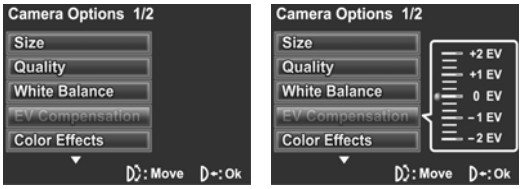


4. Press the **MENU** button again to exit the menu.

4.3.4 Exposure adjustment (EV)

Use this setting to change the exposure for pictures. Usually, this value is set to **zero**. Increase the value to light up a subject with strong back lighting, or decrease the value if taking a picture of something very bright.

1. Turn the video camera on and ensure it is in **Photo** mode.
2. Press the **MENU** button and use the scroll wheel to highlight the **EV Compensation** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to adjust EV value. The range is from **–2 EV** to **+2 EV**. Press the scroll wheel inwards to confirm.

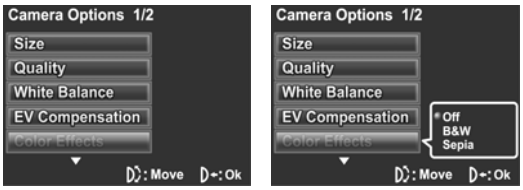


4. Press the **MENU** button again to exit the menu.

4.3.5 Color effects

The camera can capture standard color images, black and white images, or sepia tone to give an old-fashioned look. When the color effect function is set to **Off**, it is set to color mode.

1. Turn the video camera on and ensure it is in **Photo** mode.
2. Press the **MENU** button and use the scroll wheel to highlight the **Color Effects** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select **Off**, **B & W**, or **Sepia**. Press the scroll wheel inwards to confirm.

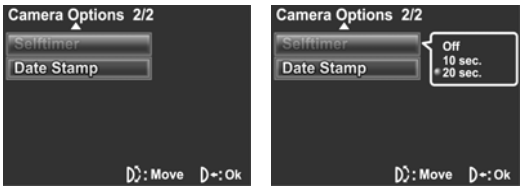


4. Press the **MENU** button again to exit the menu.

4.3.6 Self-timer

This function allows you to capture an image of yourself by adding a specified time delay between when the **Shutter** button is pressed and when the picture is actually taken.

1. Turn the video camera on and ensure it is in **Photo** mode.
2. Press the **MENU** button and use the scroll wheel to highlight the **Self-timer** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select **Off, 10 sec,** or **20 sec.** Press the scroll wheel inwards to confirm.

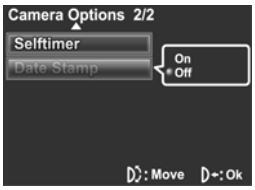


4. Press the **MENU** button again to exit the menu.
5. Press the **Shutter** button and the self-timer starts. An image is captured after the specified time delay.

4.3.7 Date stamp

Use this option to turn on/off the date stamp when a photo is taken.

1. Turn the video camera on and ensure it is in **Photo** mode.
2. Press the **MENU** button and use the scroll wheel to highlight the **Date Stamp** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select whether to show the date stamp on the screen. Press the scroll wheel inwards button to confirm.



4. Press the **MENU** button again to exit the menu.

4.4 Photo playback menu

4.4.1 Delete all

Use this function to delete files.

1. Turn the video camera on and ensure it is in **Photo** mode. Press the **Playback** button and then press the **MENU** button to display the **Photo Playback** menu.
2. Use the scroll wheel to highlight the **Delete All** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select **OK** or **Cancel**. Press the scroll wheel inwards to confirm.

4. Press the **MENU** button again to exit the menu.

Note: Once deleted, files cannot be recovered. Make sure the files are transferred to PC via the USB AV cable or saved to other storage devices. Files that have been protected will not be deleted.

4.4.2 Unlock all

Use this function to unlock all protected files.

1. Turn the video camera on and ensure it is in **Photo** mode. Press the **Playback** button and then press the **MENU** button to display the **Photo Playback** menu.
2. Use the scroll wheel to highlight the **Unlock All** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select **OK** or **Cancel**. Press the scroll wheel inwards to confirm.

4. Press the **MENU** button again to exit the menu.

Note: To lock a file, move the joystick down in **Playback** mode. A lock icon is displayed to show the file is protected.

4.4.3 Slide show

The camera includes a slide show function, which displays each image in turn with a regular interval between pictures.

1. Turn the video camera on and ensure it is in **Photo** mode. Press the **Playback** button and then press the **MENU** button to display the **Photo Playback** menu.
2. Use the scroll wheel to highlight the **Slide Show** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select **Start** or **Cancel** and press the scroll wheel inwards to confirm.

4. The images will be displayed one after another. Press the **Shutter** button to stop the slide show.

4.4.4 DPOF

Use the DPOF (Digital Print Order Format) function to tag pictures stored in the memory card with print information. You can tag all pictures to be printed or select individual pictures.

1. Turn the video camera on and ensure it is in **Photo** mode. Press the **Playback** button and then press the **MENU** button to display the **Photo Playback** menu.
2. Use the scroll wheel to highlight the **DPOF** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select the option as below, and then press the scroll wheel inwards to confirm.

1: select a single print

The most recent picture is displayed on the screen. Press the directional pad up and down to set the number of prints, and press the directional pad left and right to select other photos. You can set a maximum of nine prints for each picture.

ALL: select to print all photos
RESET: select to reset setting
CANCEL: select to cancel all

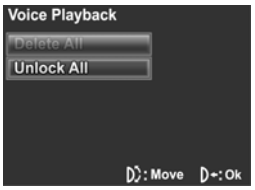
Note: A memory card is required for DPOF function.

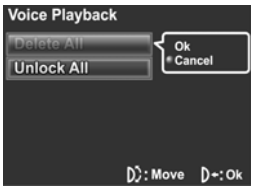
4.5 Voice Playback Menu

4.5.1 Delete all

Use this function to delete files.

1. Turn the video camera on and ensure it is in **Voice** mode. Press the **Playback** button and then press the **MENU** button to display the **Voice Playback** menu.
2. Use the scroll wheel to highlight the **Delete All** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select **OK** or **Cancel**. Press the scroll wheel inwards to confirm.





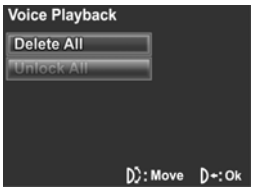
4. Press the **MENU** button again to exit the menu.

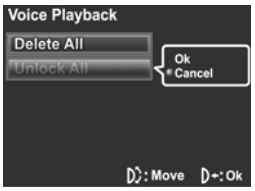
Note: Once deleted, files cannot be recovered. Make sure the files are transferred to PC via the USB AV cable or saved to other storage devices.

4.5.2 Unlock all

Use this function to unlock all protected files.

1. Turn the video camera on and ensure it is in **Voice** mode. Press the **Playback** button and then press the **MENU** button to display the **Voice Playback** menu.
2. Use the scroll wheel to highlight the **Unlock All** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select **OK** or **Cancel**. Press the scroll wheel inwards to confirm.





4. Press the **MENU** button again to exit the menu.

4.6 System menu

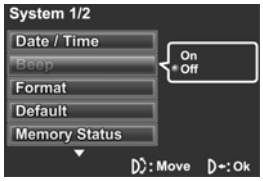
The system menu is used to configure miscellaneous camera functions.

4.6.1 Date/ time

See Section 2.5.1 “Setting the date and time”.

4.6.2 Beep

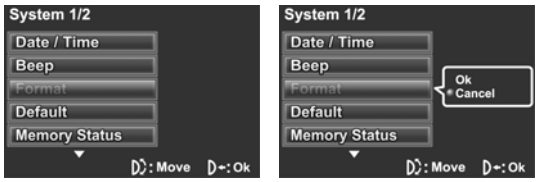
1. Turn on the video camera and switch to **SET** mode.
2. Use the scroll wheel to highlight the **Beep** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select **ON** or **OFF** and press the scroll wheel inwards to confirm.



4.6.3 Format

Use this function to format the current storage media. This format action will delete everything on the media.

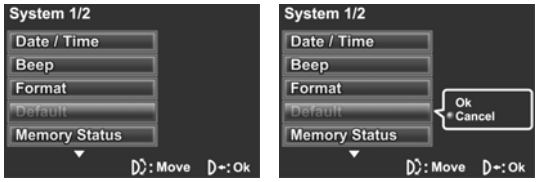
1. Turn on the video camera and switch to **SET** mode.
2. Use the scroll wheel to highlight the **Format** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select **OK** or **Cancel**, and press the scroll wheel inwards to confirm.



4.6.4 Default

Use this option to reset all settings to the default.

1. Turn on the video camera and switch to **SET** mode.
2. Use the scroll wheel to highlight the **Default** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select **OK** or **Cancel**, and press the scroll wheel inwards to confirm.



4.6.5 Memory status

This function displays the memory status and the number of video clips, photos, and voice files saved in the video camera.

1. Turn on the video camera and switch to **SET** mode.
2. Use the scroll wheel to highlight the **Memory Status** option. Press the scroll wheel inwards to display the submenu.
3. The number of files saved and the free memory space are displayed on the screen. Press the scroll wheel inwards again to exit.

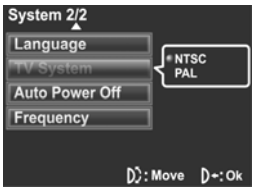
4.6.6 Language

Please refer to Section 2.5.2 “Setting the language”.

4.6.7 TV system

Use the TV option to set the TV system for the area.

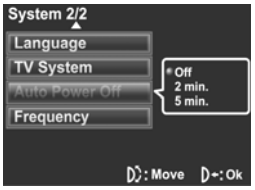
1. Turn on the video camera and switch to **SET** mode.
2. Use the scroll wheel to highlight the **TV System** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select **NTSC** or **PAL**, and press the scroll wheel inwards to confirm.



4.6.8 Auto power off

Use this function to switch the camera off automatically after a period of inactivity for power saving.

1. Turn on the video camera and switch to **SET** mode.
2. Use the scroll wheel to highlight the **Auto Power Off** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll wheel to select **Off**, **2 min**, or **5 min.** Press the scroll wheel inwards to confirm.

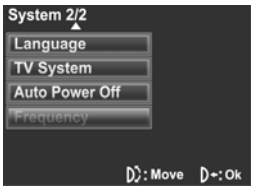


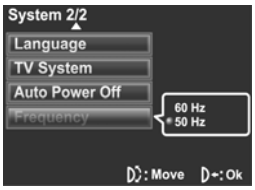
4.6.9 Frequency

Use the Frequency option to set the frequency system for your area.

To set the frequency:

1. Turn on the video camera and switch to **SET** mode.
2. Use the scroll wheel to highlight the **Frequency** option. Press the scroll wheel inwards to display the submenu.
3. Use the scroll to select **60 Hz** or **50 Hz.** Press the scroll wheel inwards to confirm.





5 Installing software and drivers

Read this section to learn how to install drivers and software for the camera.

5.1 Drivers

You can use the “Mass Storage” and “PC Camera” functions of the camera on the PC.

5.1.1 Mass Storage

The digital camera offers Mass Storage function as a card reader device. You can treat this digital camera as an SD device. When the camera is connected, the camera memory or any installed SD/MMC card displays as Mass Storage in Windows Explorer. Files can be dragged and dropped in the same way as an ordinary disk.

5.1.2 PC camera

You will need to install a driver for the camera to use as a PC or Web Cam in all Windows operating systems (Windows XP/2000/ Vista 32bit).

Note: Driver installation is required for all operating systems.

The digital camera can be used as a PC camera or a Web Cam. Please follow the instructions below:

1. Insert the supplied CD-ROM in the CD-ROM drive.
2. If the CD-ROM does not automatically boot, use Windows Explorer to execute the **InstallMgr.exe** file in the root directory.

Install button

3. Click the **Install** button to install the driver.
4. Follow the on-screen instructions.
5. Click **Finish** to restart the computer and finish the camera driver installation.

5.2 Presto! Video Works

Presto! Video Works is an advanced software application for editing video.

To install Presto! Video Works:

1. Insert the supplied CD-ROM in the CD-ROM drive.
2. If the CD-ROM does not automatically boot, use Windows Explorer to execute the **InstallMgr.exe** file in the root directory.

   The following screen is displayed.

Install button

3. Click the **Install** button to begin the installation process and follow the instructions on-screen.

More information about Presto! Video Works can be found in the help files when the application is started.

5.3 Presto! Mr. Photo

Presto! Mr. Photo is an advanced photo editing software application.

To install Presto! Mr. Photo:

1. Insert the supplied CD-ROM in the CD-ROM drive.
2. If the CD-ROM does not automatically boot, use Windows Explorer to execute the **InstallMgr.exe** file in the root directory.

   The following screen is displayed.

Install button

3. Click **Install** to begin the installation process and follow the instructions on-screen.

More information about Presto! Mr. Photo can be found in the help files when the application is started.

5.4 User's Manual

You can download the user's manual in a wide range of languages and following the instructions below.

To view the user's manual:

4. Insert the supplied CD-ROM in the CD-ROM drive.
5. If the CD-ROM doesn't automatically boot, use Windows Explorer to execute the **InstallMgr.exe** file in the root directory.

   The following screen is displayed.

6. Click **User's Manual** to download the user's manual. You can choose to download the user's manual in English, German, French, Spanish, Italian, Japanese or Traditional Chinese. You must have Acrobat Reader installed on your PC, as all user's manuals are in **pdf** format.

Appendix

Specifications

General	
Imaging sensor	1/2.5" CMOS 5.17 Megapixel sensor
Active pixels	5.1 Megapixel
Storage media	Built-in 16 MB flash memory SD Card (MMC compatible), can support up to 4GB
Sensor sensitivity	Auto
Lens	Fixed focus lens Wide: F/3.1, f=7.5mm
Focus range	Normal: 1.5m~infinity Macro: 15~16cm
Still image	Formats: JPEG (DPOF, EXIF), Direct Print Resolution: 1M, 3M, 5M, 12M (Firmware interpolation) Quality: Fine, Normal
Movie clips	Motion JPEG (AVI) Resolution: 640 x 480 pixels, 320 x 240 pixels

General	
	Frame rate: 30 fps (max.)
Zoom	4X Digital Zoom
TFT Monitor	2.4" TFT (480 x 234 pixels)
Strobe	Effective range: <1 m range Flash modes: Auto/Off
White balance	Auto/Sunny/Cloudy/Tungsten/ Fluorescent
EV compensation	-2.0 EV~+2.0 EV
Self-timer	Off, 10, 20 seconds
PC interface	PC Cam: USB 2.0 (full speed) Mass storage: USB 2.0 (full speed)
TV out format	NTSC/PAL
Shutter	Electronic shutter 1/4~1/2000 second
Auto power off	Off, 2 min., 5 min.
Power supply	Camera: 4 x AAA alkaline batteries
Dimensions	98.3(L) x 68.2 (W) x 37 (H) mm
Weight	<136±5g (without batteries)

Troubleshooting

Problem	Possible Cause	Solution
Cannot turn on the camera.	The batteries are not inserted correctly. The batteries have no power.	• Insert the batteries correctly. (See Section 2.2 "Inserting the batteries".) • Replace the batteries.
The camera suddenly turns off.	The auto power off function was enabled. The camera is running out of battery power.	• Turn the power on again. • Replace the batteries.
The captured image is not stored in memory.	Before the image is saved the power has been cut off.	• When the battery indicator turns red, charge the batteries immediately.

The camera turns off when capturing image using self-timer.	The camera is running out of battery power.	• Replace the batteries.
The image is out of focus.	The subject is beyond focus range.	• Please take a picture within the available focus range and choose normal or macro mode. (See Section 3.3.2 "Using the macro function".)
Memory card cannot be used.	The memory card is protected. The memory card contains non-DCF images taken by other cameras.	• Unlock the memory card. • Format the memory card. (See Section 4.6.3 "Format".) Before formatting the card, ensure you have backed up the files.

All buttons are inactive.	Short circuit occurred when connecting the camera with other devices.	• Remove the batteries from the camera and insert again.

Website:

Please visit our website at www.dxgusa.com for any product updates or special announcements.

You can also check out our online support desk where you can register your product, send emails to our technical support, and find a list of frequently asked questions (FAQs).

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