

# **User Manual**



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Thank you for purchasing this product. In order to use the digital video camera correctly, please read the operating instructions carefully and keep the manual in a safe place for future reference.

## **Precautions**

Before using the digital camera, please ensure that you read and understand the safety precautions described as below.

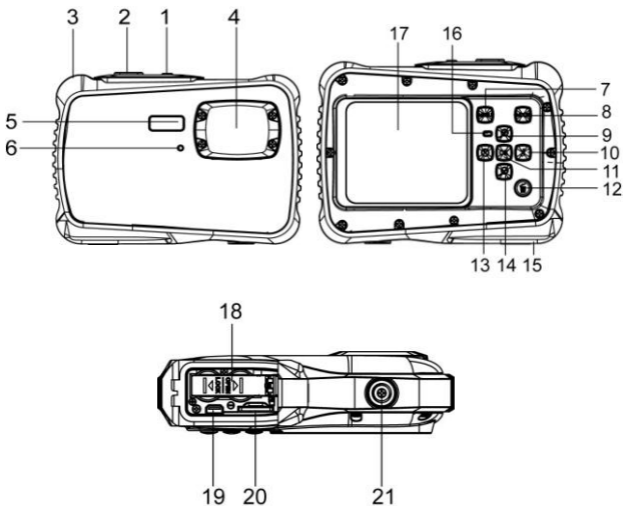
- Do not try to open the case of the digital camera or attempt to modify this digital camera in any way. Maintenance and repairs should be carried out only by authorized service providers.
- Use only the recommended power accessories. Use of power sources not expressly recommended for this equipment may lead to overheating, distortion of the equipment, fire, electrical shock or other hazards.

# PRODUCT SPECIFICATION

- Still Image Resolution:  
[12M] 4000x3000/[8M] 3264x2448/ [5M] 2592x1944
- Video Clip Resolution: 720P@30fps/480P@30fps
- File Formats: JPEG/AVI
- Supports micro SD Memory Slot up to 32GB
- 4 x Digital Zoom
- USB 2.0 User Interface
- Waterproof up to 3M
- Power Source: 2 x AAA Batteries
- Works with Microsoft Windows XP, Vista, Windows 7
- Works with Mac OSX10.3 and above
- Storage/Operation Temperature: 5°C to 40°C

# GETTING TO KNOW YOUR CAMERA

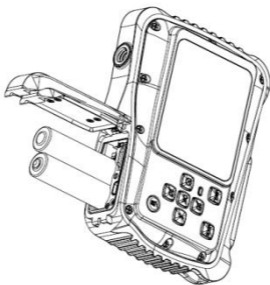
## ➤ DEVICE OVERVIEW



1	ON/OFF button	5	Flash Light
2	Shutter Button	6	Self-timer LED
3	Hand Strap Hole	7	MENU Button
4	Lens	8	MODE Button
9	UP/Zoom In Button	16	Busy indicator
10	Right/Flash Button	17	Display Screen
11	OK Button	18	Battery inner door/ Battery compartment
12	Delete Button	19	USB Slot
13	Left/self-timer button	20	Micro SD Card Slot
14	Down/Zoom out button	21	Tripod Connector
15	Battery door		

## ➤ **INSTALLING THE BATTERY**

1. Open the camera battery door by pushing the switch and release the cover at the same time.
2. Insert 2 x AAA batteries as shown, ensuring the +/- symbols on the batteries are matching +/- symbols on the camera.
3. Close the battery cover. Make sure the battery door is closed properly to avoid any contact with water.



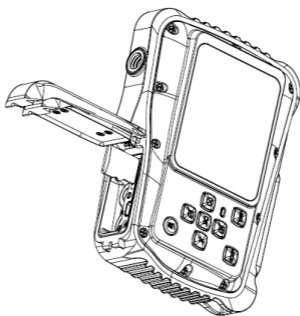
## ➤ **INSTALLING MEMORY CARD**

The camera has no internal memory, to be able to take

images and video clips you will need to insert a memory card. The camera accepts micro SD memory cards up to 32GB. Turn off the camera before inserting or removing the card. Be sure to insert the card the correct way. Never try to force the card into the slot.

To insert the memory card:

1. Turn off the camera.
2. Find the micro SD card slot on the bottom of the camera.
3. Make sure the memory card is inserted as illustrated.






## ➤ **TURNING YOUR CAMERA ON**

To turn on the camera, press the Power button, press the power button again to turn the unit off.

NOTE: The camera will automatically turn itself off after a period of inactivity to save power.

## ➤ **CAMERA MODES**


The camera has 3 different types of modes Capture mode, Video mode and Playback mode. Press the Mode button to select between all the modes.

Display	Title	Description
	Capture mode	For taking still photos
	Video mode	For recording movie clips
	Playback mode	For viewing saved files

# CAPTURE MODE

## ➤ TAKING A PHOTO


The Digital Video Camera allows you to take digital still photos. To take digital still photos:


1. Press the Mode button to set the camera to capture mode, the icon  appears on the left upper corner of the screen.
2. Use the LCD screen to view your subject.
3. Use the “Zoom in and Zoom Out” buttons to zoom in and out on your subject. The value of magnification level appears on the screen.
4. Press the Shutter button to take a picture. After the picture has been taken the LCD will display image for a brief second. The Memory capacity in the top right of screen will decrease as one image is taken.


## ➤ USING SELF TIMER/BURST FUNCTION

You can use the self-timer function when you wish to take a photograph of yourself or when you wish to photograph an object where the camera must be as still as possible. The burst function will allow you take continuous photos.

1. Turn the power on, and set the camcorder to the Capture mode.
2. Press the “Left” button to change the self-timer Mode: each time the button is pushed left, the icon on screen is changed.

 2 seconds - The photo will be taken 2 seconds after the shutter is pressed.

 5 seconds - The photo will be taken 5 seconds after the shutter is pressed.

 10 Seconds - The photo will be taken 10 seconds after the shutter is pressed.



Burst snapshot: Hold the Shutter button to take




pictures continuously. It will automatically take three pictures continuously in the interval of 1 second.

3. Press the Shutter button to take picture.

## ➤ **USING THE FLASH**

The flash is not only for taking pictures when there is insufficient light, but also for when the subject is in shade or with backlight conditions. Pressing the RIGHT/FLASH button cycles your camera through the various flash modes. The flash will not activate during continuous shooting or movie recording.

1. Turn the power on and set the camera to the Capture mode.
2. Press the RIGHT/FLASH button to change the flash mode.
3. Each time the RIGHT/FLASH button is pressed the flash mode will change.

Icon	Title	Description
	Auto flash	Flash fires automatically when shooting conditions require extra lighting.
	Full Flash	Flash fires every time you take a photo, regardless of lighting conditions.
	Flash OFF	The flash never fires even in dark conditions.

4. Press SHUTTER button to take a picture.

The flash will not work when the battery is low. The screen is blank when the flash is charging. The next image can be shot only when charging is completed. Shooting with a flash in a bright environment may cause incorrect exposure.

## ➤ PHOTO SETTINGS MENU

There are various photo settings that can be changed on the camera.

1. Turn on the camera and set it to capture mode.
2. Press the MENU button to display the menu.
3. Press the “Left or Right” buttons to select an item.
4. Press the “Up or Down” buttons to select the desired item.
5. Press the OK button to confirm the setting.
6. MENU button to return to the last menu.

Photo Settings are as follows:

<b>Menu</b>	<b>Function</b>
Resolution	Allows you to change the image resolution for taking still photos. There are five options for choice: [12M] 4000x3000/ [8M] 3264x2448 / [5M] 2592x1944


Shooting	[Multi-Snapshot]/[Self Time]
Exposure	Allows you to set the exposure value manually to compensate for unusual lighting conditions such as indirect indoor lighting, dark backgrounds, and strong backlighting. The exposure value range is -3.0 to 3.0.
White Balance	Allows you to adjust the white balance to suit different light sources. There are five options to choose from: Auto/Daylight/Cloudy/ Incandescent/Fluorescent
Image Quality	Selecting lower image quality decreases the image size and allows you to capture more images. There are three options for choice Super Fine, Fine, Normal.
Sharpness	[Sharp]/[Normal]/[soft]
Effect	This function allows you to change the image's color tone for your next image you will take. There are several options:

	Normal/B&W/Sepia//Red/Green/Blue/ Sunset/warm/Cool/Over Exposure/IR /Binary/Vivid/Undertone/Dog Eye/ Aibao/Gothic/Japanese style/LOMO /Negative
Saturation	[High]/[Norma]l/[Low]

## VIDEO MODE

### ➤ TAKING A VIDEO CLIP

The Digital Camera allows you to take video clips without sounds. To take video clips:

1. Press the Mode button to set the camera to video mode, the  icon appears on the left upper corner of the screen.
2. Use the LCD screen to view your subject.
3. Use the “Zoom In and Zoom Out” buttons to zoom in and out on your subject. The value of magnification level appears on the screen.
4. Press the Shutter button to start recording. While

recording the top right of the screen will display how long it has been recording for.

5. Press the Shutter button again to stop recording or recording stops when the current micro SD card is full.

## ➤ **VIDEO SETTINGS MENU**

There are various video settings that can be changed on the camera.

1. Turn on the camera and set it to video mode.
2. Press the MENU button to display the menu.
3. Press the “Left or Right” buttons to select an item.
4. Press the “Up or Down” buttons to select the desired item.
5. Press the OK button to confirm the setting.
6. Press the MENU button to return.

Video Settings are as follows:


<b>Menu</b>	<b>Function</b>
Size	Allows you to change the video resolution for the recording. You can choose from

	[720P @30fps]/[480P @30fps].
Exposure	See the photo setting menu.
White Balance	See the photo setting menu.
Image Quality	See the photo setting menu.
Sharpness	See the photo setting menu.
Effect	See the photo setting menu.
Saturation	See the photo setting menu.

## PLAYBACK MODE

### ➤ VIEWING SAVED FILES

Playback mode allows you to view all your saved files. To access the playback menu:

1. Press the MODE button to set the camera to playback mode, the  icon appears on the left upper corner of the screen.

- Use the Left and Right buttons to browse through the files.

- Press the Down button to enter the thumbnail mode.
- Press the Up button to zoom in the current image.

## ➤ **VIDEO CLIPS**

To be able to view the video files you need to:

1. Press the Left or Right to select the movie clips you want to play.
2. Press the Shutter button to start playing the file.  
Press the Shutter button again to have a pause ,  
press it again to recovery.Press the Up button to stop  
playing the file.

## ➤ **PLAYBACK SETTINGS MENU**


There are various playback settings that can be changed on the camera.

1. Turn on the camera and set it to playback mode.
2. Press the MENU button to display the menu.
3. Press the “Left or Right” buttons to select an item.

4. Press the “Up or Down” buttons to select the desired item.
5. Press the OK button to confirm the setting.
6. Press the MENU button to return.

Playback Settings are as follows:

<b>Menu</b>	<b>Function</b>
Side Show	This option allows you to play a slide show of the digital still photos, Choose the Interval time from 3/5/10 secs by pressing Up/Down button, Press the OK button on Start and the slide show will start to play. If you want to repeat the function, change the Repeat setting to Yes.
Rotate	Allows you to rotate the image 90 degrees in the clockwise direction. The image will appear in the background on the screen. Once you are happy with the image, Press the Ok button on Save and

	the image will be saved like this.
Protect	Allows you to Lock and Unlock images or videos from being deleted. There are 3 options Lock This/Unlock This/Lock All/Unlock All. The  icon will appear on each file that is locked when viewing them in the playback mode
Delete	Allows you to delete one or all files. This Video(Image)/All/Cancel
Crop Image	Allows you to crop the image. <b>Note</b> The image can only be crop to a smaller size than the original.

NOTE: When playback video files,only Lock and Protect function is available

## CAMERA SETTINGS

### ➤ CAMERA SETTINGS MENU

The camera settings can be changed from the Capture or Video mode.

1. Set Camera to the modes Capture or Video.
2. Press the Menu button to bring up the Settings menu.
3. Press the “Right” button to access the camera settings section .
4. Press the Up and Down buttons to select the different settings.
5. Press the UP/Down/OK buttons to select and confirm the setting options.
6. Press the MENU button to return.

Camera Settings are as follows:

<b>Menu</b>	<b>Function</b>
Auto Power Off	To save power, the camera will automatically turn off after a period of time. 1min, 2min, 3min, 4min, 5min and 10min.
Language	Adjusts the language settings: English, Espanol, Portugues, Francais, Deutsch, Italiano, Nederlands.
Frequency	Light Frequency should be set depending on your region:

	[50HZ]/ [60HZ]
Date	Allows you to set the date and time for the camera. [On]/[Off]/[Set Date]
Default Setting	Restores the camera to default settings. [Ok]/[Cancel]
Format	Will format your micro SD Card. [Ok]/[Cancel] IMPORTANT: Formatting the micro SD card erases all pictures and video clips, including protected files. Removing the micro SD card during formatting may damage the card.

## DOWNLOAD FILES

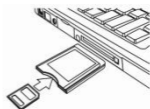
There are two ways to download files from the digital camera's internal memory or memory card to a computer:

- By inserting the memory card into a card reader
- By connecting the camera to a computer using the

supplied USB cable.

### **Using a Card Reader**

1: Eject the memory card from the digital camera and insert it into a card reader that is connected to a computer.



2: Open [My Computer] or [Windows Explorer] and double-click the removable disk icon that represents the memory card.

3: Copy images from the card into a directory of your choice on the computer's hard disk.

### **Connecting the Digital camera to a PC with the USB Cable**

1: Connect the supplied USB cable to the computer's USB port and turn on the digital camera. A icon "MSDC" appears on the screen when connection to the computer has been successfully completed.

2: Open [My Computer] or [Windows Explorer]. A "Removable Disk" appears in the drive list. Double-click

the "Removable Disk" icon to view its contents. Files stored on the camera are located in the folder named "DCIM".

3: Copy the photos or files to your computer.