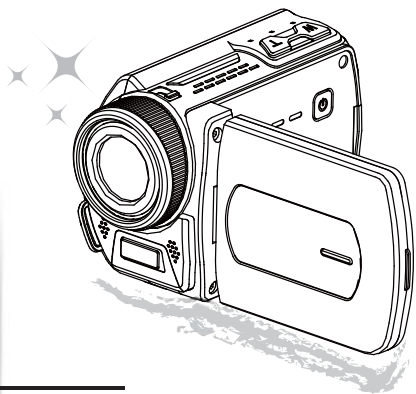


尺寸:105x148mm(A6); 80P模造; 單色黑白印刷; 膠裝;

User's Manual



High Definition Camcorder

English / Español / 繁體中文 / 簡體中文 / 한국어 /
日本語 / TÜRKÇE / Português do Brasil / العربية

Welcome:

Dear user, thank you for purchasing this product.

Much investment in time and effort has gone into its development, and it is our hope that it will give you many years of trouble-free service.

FCC Compliance Statement:

This device complies with Part 15 of the FCC Rules. Operation is subjected to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



This equipment has been tested and found to comply with limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in residential installations. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television equipment reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Move the equipment away from the receiver.
- Plug the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for additional suggestions.

You are cautioned that any change or modifications to the equipment not expressly approved by the party responsible for compliance could void Your authority to operate such equipment.

Safety Notice:

1. Do not drop, puncture or disassemble the camcorder; otherwise the warranty will be voided.
2. Avoid all contact with water, and dry hands before using.
3. Do not expose the camcorder to high temperature or leave it in direct sunlight. Doing so may damage the camcorder.
4. Use the camcorder with care. Avoid pressing hard on the camcorder body.
5. For your own safety, avoid using the camcorder when there is a storm or lightning.
6. Do not use batteries of different specifications. Doing so may lead to the potential for serious damage.
7. Remove the battery during long periods between usage, as a deteriorated battery may affect the functionality of the camcorder.
8. Remove the battery if it shows signs of leaking or distortion.
9. Use only the accessories supplied by the manufacturer.
10. Keep the camcorder out of the reach of infants.
11. Risk of explosion if battery is replaced by an incorrect type.
12. Dispose of used batteries according to the instructions.



If the time arises to throw away your product, please recycle all the components possible.

Batteries and rechargeable batteries are not to be disposed in your domestic waste! Please recycle them at your local recycling point.

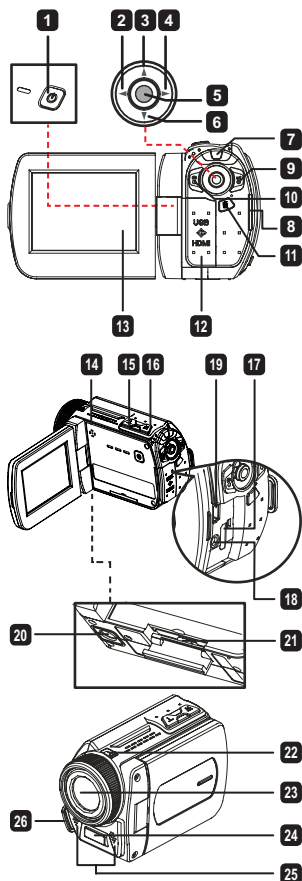
Together we can help to protect the environment.

Preparing the camcorder

● Knowing the camcorder parts

- 1 Power button
Directional button:
- 2 Left/Flash
- 3 Up/Icon
- 4 Right/Menu
- 5 Playback
- 6 Down/Video resolution
- 7 LED indicator
- 8 Wrist strap holder (back)
- 9 Record
- 10 Shutter
- 11 Delete
- 12 Connector cover
- 13 LCD display
- 14 Speaker
- 15 Zoom in/Volume up
- 16 Zoom out/Volume down
- 17 HDMI output
- 18 TV-out connector/earphone
- 19 USB port
- 20 Tripod socket
- 21 SD card slot
- 22 Focus switch
- 23 Lens
- 24 Flash strobe
- 25 Microphone
- 26 Wrist strap holder (front)

* For the battery compartment cover and the locker, please refer to section "Load the battery (batteries)"

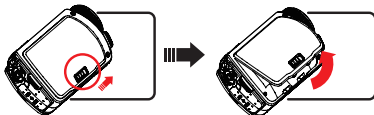


★ For select model only. Please refer to the package printing for detailed specification.

Getting started

● Loading the battery (batteries)(★)

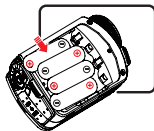
1. Slide latch open to remove the battery compartment cover.



2. Load the battery (batteries) based on specifications of the camcorder as follows:

Camcorder supplied with AA batteries

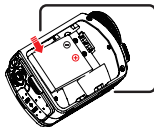
Load four AA batteries into the compartment according to the (+) (-) orientation shown in the battery compartment.



! Never use different types or brands of batteries together, or mix used and unused batteries.

Camcorder supplied with a lithium battery


Slide in the connector end of the lithium battery as the direction of the arrow shown and make sure that the metallic contacts are aligned with the contacts in the compartment.

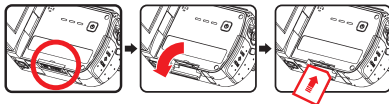


3. Replace the cover.

★ For select model only. Please refer to the package printing for detailed specification.

● Inserting the SD card

1. Lift the memory card cover as shown.
2. Insert the card as the direction of indication until it reaches the end of the slot.
3. When the card is inserted successfully, the icon () will appear on screen.
To remove the card, push the card to release it and then pull it out gently.
4. Put the cover back.



● Using the USB adapter (★)

Connect one end of the adaptor to the camcorder and the other end to a power outlet.
When the USB adaptor is plugged successfully, the following circumstances will occur, according to specifications of the camcorder:

Camcorder supplied with lithium battery

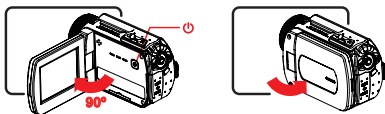
Please charge the battery at least 8 hours for first time use.

1. Connect one end of the supplied AC adapter to the USB port of the camcorder and the other end to a wall outlet.
OR
Connect one end of the supplied USB cable to the USB port of the camcorder and the other end to a powered PC. Make sure the camcorder is powered off.
2. The charging LED turns red and the charge starts.
3. When the charging is interrupted or the battery pack is fully charged, the charging LED will turn off.

! When using a PC to charge the battery, do not power on the camcorder, or the charge will stop.

● Turning the power on/off

To turn on the camcorder, either open the LCD panel or press the **Power** button.
To turn off the camcorder, either close the LCD panel or press the **Power** button.



- ❗ If the power is not turned on after you have completed the above procedures, please check the following have been done correctly: Batteries are correctly loaded. The loaded battery (batteries) has enough power.

● Realizing the battery life indicator

Icon	Description
	Full battery life
	Moderate battery life
	Low battery life * The flash strobe will be disabled.
	Empty battery life




Note: To avoid sudden outage of power supply, you are recommended to replace the battery when the icon indicates low battery life.



● Recording a video clip

1. Set the focus to an appropriate setting. Normally, you may set the focus to () for most filming conditions. Select () only for close-ups.
2. Press the **Record** button () to start recording.
3. Use the **Zoom** buttons (**T** / **W**) to zoom in or zoom out the screen.
4. Use the Joystick Enter to pause, and Enter again to resume.
5. Press the **Record** button () again to stop recording.

	50cm ~ ∞
	30cm ~ 50cm

● Taking a still picture

1. Set the focus to an appropriate setting. Normally, you may set the focus to () for most filming conditions. Select () only for close-ups.
2. Use the **Zoom** buttons (**T / W**) to zoom in or zoom out the screen.
3. Press the **Shutter** button () to take a still picture.

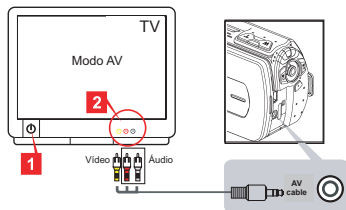
	50cm ~ ∞
	30cm ~ 50cm

● Exporting to a standard TV and HDTV

TV : Traditional CRT TV

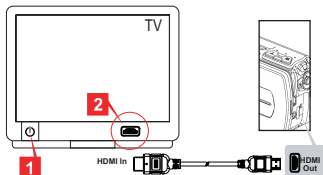
- ❗ The TV system is different across areas. If you need to adjust the **TV-out** setting, please refer to the “Advanced settings” section for more information. (Taiwan: NTSC; America: NTSC; Europe: PAL; China: PAL)

1. Turn on your TV and switch the TV to AV mode.
2. Connect the audio and video ends of the AV cable to the TV.
3. Turn on the camcorder.
4. Connect the other end of the AV cable to your camcorder.



TV : HDTV with HDMI input port







1. Turn on your HDTV.
2. Connect the HDMI-in connector (the bigger end) of the HDMI cable to the HDTV.
3. Turn on the camcorder.
4. Connect the other end of the HDMI cable to your camcorder.
5. Switch the HDTV to the “HDMI input” mode.



- ❗ Camcorder and Camera functions are not available in AV/HDMI-out mode.
- ❗ The HD TV will display your video clips in 1080i (60 fields) resolution mode although it is recorded in 1080P (30 frames) setting.





Advanced settings

● Key tips

Item	Option	Description
Flash Strobe (Joystick Left) 	On ()	The flash is forced to fire in every shot.
	Auto ()	The flash automatically fires when the lighting is insufficient.
	Off ()	The flash is disabled.
Video Resolution (Joystick Down) 	Please refer to the package printing for resolution specification.	
Icon (Joystick Up) 	On/Off	Enable/Disable OSD icons to display on the screen.

● Setting menu () options

Press the Joystick **Right** () to enter.

Item	Option	Description
Video Resolution	Please refer to the package printing for resolution specification.	
Picture Resolution	Please refer to the package printing for resolution specification.	
Slideshow	On () / Off ()	Start picture slideshow. / Repeat playing all video clips.
Date Stamp	On () / Off ()	Enable this feature to print a date mark on each picture.
Clock	-	Set date and time.
Language	-	Let you select the language used for OSD.

Item	Option	Description
Beep	Off (🔇)	Disable beep sound.
	On (🔊)	Enable beep sound.
	Shutter On (🔊📷)	Disable beep sound, but keep Shutter sound.
TV System	NTSC (NTSC)	Set TV system compatibility to NTSC. This option is suitable for America, Taiwan, Japan, and Korea areas.
	PAL (PAL)	Set TV system compatibility to PAL. This option is suitable for Germany, England, Italy, Netherlands, China, Japan, and Hong Kong.
Flicker	50Hz (50 Hz)	Set flicker frequency to 50Hz.
	60Hz (60 Hz)	Set flicker frequency to 60Hz.
NightShot	Auto (AUTO)/ Off (🔇)	Enabling this setting allows you to take a photograph with a dark background. Since the shutter speed will slow down when taking photographs and videos at a dark place, we recommend using a tripod to eliminate blurring from hand shake. Warning: Noise increases when NightShot is enabled.

📌 Flicker settings reference

Area	England	Germany	France	Italy	Spain	Russia
Setting	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
Area	Portugal	America	Taiwan	China	Japan	Korea
Setting	50Hz	60Hz	60Hz	50Hz	50/60Hz	60Hz

Note: The flicker setting is based on the frequency standard of your local power supply.