



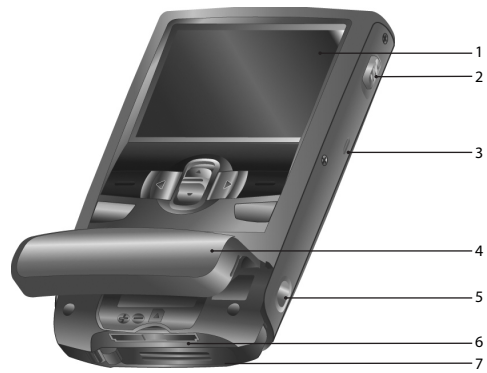
Digital Video Camera Model: DV-80005

USER MANUAL

EN

OVERVIEW

FRONT VIEW



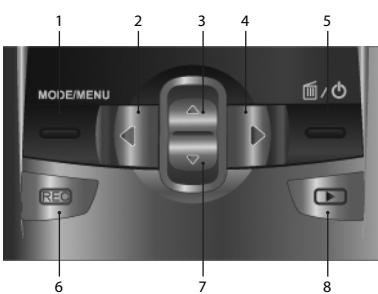
- LCD screen:** Display photographs, video clips, camera settings and menu.
- Macro switch:**
 - Macro mode:** Select this mode to take close -up photographs (distance 11cm - 18cm).
 - Normal mode:** Select this mode to take photographs from 0.5m - infinity.
- Speaker:** Speaker hole.
- Battery door:** Door for battery & SD card.
- Strap hook:** Hook for attaching the wrist strap to the camera.
- SD card slot:** SD card storage location.
- Battery:** 3.7V Li-ion battery.

REAR VIEW



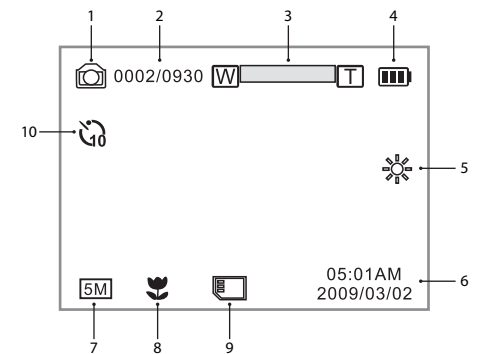
- LED indicator:** Illuminates while battery is recharging.
- Lens:** Records the image .
Note Keep the lens clean. Dirt and fingerprints will affect the quality of the picture.
- Microphone:** For voice input.
- USB interface:** Download photographs and video clips to a computer.
- USB switch:** Slide it to pop-up the USB interface.
- DC in only:** Recharge the battery via transformer provided.
- Video out:** Connect to output content to TV.
- Audio out:** Connect to output audio to TV.

BUTON VIEW



- Mode / Menu:** Press to select PHOTO or VIDEO mode. For PHOTO or VIDEO setting, press and hold it for 2~3 seconds.
- LEFT:** For LEFT selection in menu mode.
- UP:** For UP selection in menu mode. Digital zoom in.
- RIGHT:** For RIGHT selection in menu mode. To change exposure value, set up in photo or video mode.
- DELETE /** Power on or off button: Press and hold it for 2 seconds to turn ON/OFF the unit. Press it to delete file in PLAYBACK mode.
- REC:** Press this button to take photographs. To start or stop a video clip recording. Use to confirm changes in menu mode.
- DOWN:** For DOWN selection in menu mode. Digital zoom out.
- Playback:** Press to enter Playback mode.

EXPLANATION OF THE STATUS ICONS



- Recording mode:**
 - Photograph mode.
 - Video mode.
- Counting indicator:**
 - Show time left in Video mode.
 - Show picture left in Photo mode.
 - Show recording time during recording.
- Digital zoom:** Show digital zoom value.
- Battery indicator:**
 - Battery at full charge.
 - No charge left in battery.
- White balance:** White balance selection.
- Date stamp:** Date/ Time/ Date and Time / Off
- Selected resolution:**
 - Photo-3M,5M,8M.
 - Video-QVGA,WVGA,720P30.
- Normal / Macro mode indicator:**
 - Normal mode (0.5m ~ infinity).
 - Macro mode (11cm ~18cm).
- SD card indication:**
 - The SD card is inserted and will be used as storage for PHOTO and VIDEO.
 - Self-timer: On/Off.

DETAILS FOR CAMERA SETTING

PHOTO SETTING

In photo mode, press the (MODE/MENU) button and hold for 2 to 3 sec to enter photo set up mode.

Quality	Picture quality setting
Super Fine (Default) /Fine /Normal	
Size	
3.0M pixel resolution	2048 x 1536
5.0M pixel resolution	2592 x 1944
8.0M pixel resolution	3200 x 2400
Self-timer	
On	Self-timer selected, 10 sec delay
Off	Turn off the self-timer, disable

VIDEO SETTING

In video mode, press the **MODE/MENU** button and hold for 2 to 3 sec to enter video set up mode.

Resolution	HD (1280x720), up to 30fps
WVGA	WVGA (848x480), up to 60fps
QVGA	QVGA (320x240), up to 30fps
Quality	Super Fine(Default) /Fine /Normal
	Quality setting

Flicker	
60Hz	Main American electricity frequency
50Hz	Main European electricity frequency
White Balance	
Auto (Default)	Automatic white balance
Sunny	White balance selected for Sunny surrounding
Cloudy	White balance selected for cloudy surrounding
Fluorescent	White balance selected for fluorescent surrounding
Incandescent	White balance selected for Incandescent lighting
Contrast	
Standard / Hard / Soft	Contrast setting
Sharpness	
Standard / Hard / Soft	Sharpness setting
AE meter	
Center / Average / Spot	AE meter setting
AE ISO	
Auto/100/200/400	AE ISO setting

SETUP

In photo/video set up mode, select **SETUP** icon by pressing (►) button to enter basic set up mode.

Language	
English/T-Chinese/ S-Chinese/French/ German/Italian/ Spanish/Portuguese/ Dutch	Select display language
TV standard	
NTSC	American and Japanese video format
PAL	European video format
Date / Time	
Year / Month / Day / Hour / Minute	Date and Time setting
Display	
Off	No display
Date	Display the Date
Time	Display the time
Date / Time	Display the Date and Time
Format	
Yes / No	Format the SD card
Default	
Yes / No	Refresh the default setting
Auto Power-Off	
Off	Auto Power-Off off
3 min	Auto power off after 3 mins if no operation
5 min	Auto power off after 5 mins if no operation
Version	

Note: The camera will remain the last setting when it is turned off.

USING THE CAMERA

INSTALLING THE BATTERY

The battery is partially charged at shipment and must be fully charged before being used.

- Open the battery cover.
- Insert the 3.7V Li-ion rechargeable battery into the camera.
- Replace the battery cover.

ADAPTOR

- Plug adaptor into socket.

Note

- Make sure the adaptor is not obstructed and is easily accessible to the unit.

- To completely disconnect from power, the adaptor should be disconnected from the mains.
- The main unit and adaptor should not be exposed to wet conditions. No objects filled with liquid, such as vases, should be placed on the main unit and adaptor.



INSERTING A MEMORY CARD (NOT INCLUDED)

Follow the instructions given below to insert an SD memory card into the camera.

- Turn off the camera.
- Open the battery door.
- Insert the SD card into the camera by clicking it in.

Note There is only one right direction to insert the SD memory card into the slot. Do not force the card into the slot, or it may damage both the camera and the SD memory card.

Note The SD memory card must be formatted before taking photographs. See the following section for more information.



FORMATTING THE MEMORY OR SD CARD

- In photo/video set up mode, select **SETUP** icon by pressing (►) button to enter basic set up mode.
- Select **FORMAT** icon by pressing the (▼) button and press (REC) button to confirm, select YES by pressing the (◀) button.
- Press the (REC) button to confirm formatting the SD card.

SETTING THE RESOLUTION

The HD DV camera can be set to different resolutions.

VIDEO

- Press and hold the (MODE/MENU) button in video mode to enter the video set up menu.
 - Select the **RESOLUTION** by pressing the (▼) button. Press the (REC) button to enter the resolution selection.
 - Different resolutions will be displayed. Select the desired resolution by using the (▲) or (▼) button. Press the REC button to confirm the selection.
- 720P30 (1280 x 720), WVGA (848 x 480), QVGA (320 x 240).

PHOTO

- Press and hold the (MODE/MENU) button in photo mode to enter the photo set up menu.
 - Select the **SIZE** icon by pressing the (▼) button and press the (REC) button to confirm.
 - Different resolutions will be displayed. Select the desired resolution by using the (▲) or (▼) buttons and press the REC button to confirm the selection.
- 3.0M (2048 x 1536), 5M (2592 x 1944), 8M (3200 x 2400).

TAKING VIDEO OR PHOTOGRAPHS

- Turn on the HD DV camera.
- Press the (**MODE/MENU**) button to select the photo mode (📷) or video mode (📹).
- Depending on the distance to the object being photographed, use the Macro switch to adjust the distance. Select the flower symbol (🌸) if you wish to take a close-up photograph (11cm ~18cm). If you wish to take a video or photograph of surroundings or people (0.5m - infinity), set the Macro switch to the Normal mode (▲).
- Use the LCD screen as a viewfinder to take videos or photos.
- Press the (REC) button once for photo taking, or press the (REC) button to start/stop video recording.
- The HD DV camera can zoom in up to 3 times. Zoom in or out by pushing (▲ or ▼).

CAUTION

- Taking photos of fast-moving objects is not recommended.
- Image may be distorted when taking pictures in a moving vehicle.
- Max video file size is 4GB. The unit will stop recording automatically.

ZOOM IN AND OUT

The HD DV camera can zoom in up to 3 times. Zoom in or out by pushing (▲ or ▼).

PLAYBACK PHOTOGRAPHS/VIDEOS CLIPS

- Press the **PLAYBACK** (▶) button once to enter the photo / video playback mode, press (▶) again to select either **PHOTO / VIDEO**
- Thumbnail views will be displayed. Use (▲, ▼, ◀ or ▶) to select photo/video.
- Press **REC** button to confirm selection.
- In viewing a photo, push (▲ or ▼) to zoom in or out.
- In viewing different parts of enlarged photo, press **MODE/MENU** or **REC** button to move up or down, press (◀ or ▶) to move left or right.
- In viewing photo in full screen, press (◀ or ▶) to view previous or next photo.
- In viewing a video clips, Press the **REC** button to start playing the video and press again to pause.
- When playing the video, press (▶) to fast forward or press (◀) to rewind.

DELETE PHOTOGRAPHS/VIDEO CLIPS

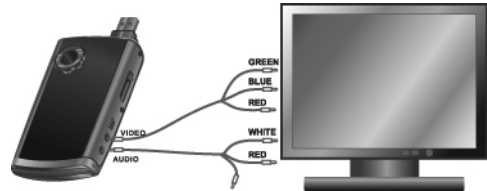
Follow the instructions given below to delete a photo/video clip.

- Press the **PLAYBACK** (▶) button to enter the photo/video clip playback mode.
- Press the **PLAYBACK** (▶) button once to enter the photo / video playback mode, press (▶) again to select either **PHOTO / VIDEO**
- Press the **DELETE** button to enter the delete mode.
- Press (◀ or ▶) to select if delete this file or delete all then press (REC) to confirm.
- Press (MODE/MENU) to exit.

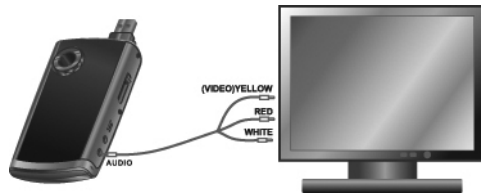
CONNECTING THE DV CAMERA

CONNECT TO TV

For high definition TV display, please connect the component output as shown below:



For standard quality TV display, connect as below:



CONNECT TO COMPUTER

The camera can be connected to the computer as a mass storage device to download videos and photos to a PC.

SPECIFICATIONS

Sensor	5.0 Mega pixel CMOS sensor
Image resolution	DV 720P30 (1280x720), up to 30fps
WVGA (848x480), up to 60fps	
QVGA (320x240), up to 30fps	
DC 8.0 Mega pixels: (3200x2400) (Hardware Interpolation)	
5.0 Mega pixels: (2592x1944)	
3.0 Mega pixels: (2048x1536)	
Lens	F/2.8 f=8.5mm
Focus range	0.5m. ~ Infinity
Macro mode	11cm ~ 18cm
Digital zoom	3x
LCD display	2.4" true color LTPS TFT LCD
White balance	Auto / Sunny / Cloudy / Fluorescent / Incandescent
DV mode	Up to 30fps@HD (1280x720)
External memory card	SD card supports up to 32G
File format	Picture: JPEG, Video: MOV, USB 2.0
PC interface	USB 2.0
TV-out	Component output / TV output
Power source	3.7V Li-ion rechargeable battery.

SYSTEM REQUIREMENT

Operating System
Windows XP/Vista or above Win 7
Mac 10.4.9 or above

CPU
Pentium 4 / 3.0Ghz or above

RAM
At least 1GB

Interface
USB port

Display Card
nVidia Geforce 7600 or ATI X 1600 or above

TROUBLESHOOTING

PROBLEM

- Cannot turn on the unit.
- Photos cannot be saved when taking pictures.
- Cannot find removable disk after connecting the camera to the computer.
- The battery life is very short.
- The photos are blurry.

CAUSE

- Low battery power. Battery not inserted properly.
- The memory card hasn't been formatted properly or memory is full.
- Connection failure.
- Use of wrong type of battery.
1. The HD DV camera is not held steadily
2. The lens of HD DV camera is dirty.
3. The HD DV camera is set to the wrong focus mode.

SOLUTION

- Fully charge or install the battery correctly.
- Format the memory in **SETUP** mode of the camera. Please refer to section (Formatting the memory or SD card).
- Make sure all cable connections are secured and restart the computer if necessary.
- Replace with new 3.7V Li-ion rechargeable battery.
1. Hold the HD DV camera steadily until it beeps when taking video/photo.
2. Clean the lens with soft dry cloth.
3. Set the macro/normal mode according to the distances of subject.

PRECAUTIONS

- Do not subject the unit to excessive force, shock, dust, temperature or humidity.
- Do not cover the ventilation holes with any items such as newspapers, curtains etc.
- Do not immerse the unit in water. If you spill liquid over it, dry it immediately with a soft, lint-free cloth.
- Do not clean the unit with abrasive or corrosive materials.
- Do not tamper with the unit's internal components. This invalidates the warranty.
- Images shown in this manual may differ from the actual display.
- When disposing of this product, ensure it is collected separately for special treatment and not as normal household waste.
- Placement of this product on certain types of wood may result in damage to its finish for which Oregon Scientific will not be responsible. Consult the furniture manufacturer's care instructions for information.
- The contents of this manual may not be reproduced without the permission of the manufacturer.
- Do not dispose old batteries as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.
- Should there be any discrepancy between the English and other language versions, the English version shall apply and prevail.

NOTE The technical specifications for this product and the contents of the user manual are subject to change without notice.

NOTE Features and accessories will not be available in all countries. For more information, please contact your local retailer.

ABOUT OREGON SCIENTIFIC

Visit our website (www.oregonscientific.com) to learn more about Oregon Scientific products.

If you're in the US and would like to contact our Customer Care department directly, please visit: <https://us.oregonscientific.com/service/support.asp>
For international inquiries, please visit: <https://us.oregonscientific.com/about/international.asp>

EU-DECLARATION OF CONFORMITY

Hereby, Oregon Scientific, declares that this Digital Video Camera (Model: DV-80005) is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the signed and dated Declaration of Conformity is available on request via our Oregon Scientific Customer Service.

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject 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.

WARNING Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE This equipment has been tested and found to comply with the 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 a residential installation. 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 harmful interference to radio or television 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.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit.
- Consult the dealer or an experienced radio / TV technician for help.

DECLARATION OF CONFORMITY

The following information is not to be used as contact for support or sales. Please call our customer service number (listed on our website at www.oregonscientific.com), or on the warranty card for this product) for all inquiries instead.

We
Name: Oregon Scientific, Inc.
Address: 19861 SW 95th Ave., Tualatin, Oregon 97062 USA
Telephone No.: 1-800-853-8883

Declare that the product
Product No.: DV-80005
Product Name: Digital Video Camera
Manufacturer: IDT Technology Limited
Address: Block C, 9/F, Kaiser Estate, Phase 1, 41 Man Yue St., Hung Hom, Kowloon, Hong Kong

is in conformity with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.



AM-V5C2-G8-IPM-R1