



DVR720

10m WATERPOOF

ACTION CAMERA

Users manual

Introduction

Thank you for purchasing this video camera.

Make sure to read all components of this manual carefully and keep the manual secure for future reference.

This user's manual has been written showing the latest information at the time of printing. Subtle changes can occur over time to the product design, so some differences and variations can occur in the product pictures below. The functions of the camera will remain the same, even though the picture may differ slightly.

Important Information before use.

Please read this information carefully before using this video camera to ensure proper and safe operation. Do not expose the video camera to direct sunlight or point the lens into the sun to prevent damage to the image sensor.

- ◆ **Unit requires a class 6 (or higher) micro SD card for operation (not included). Lower class will cause unit not to function correctly so please check class of card before use.**
- ◆ Keep the camera in a dry environment, if wet or splashed, wipe moisture off with a dry cloth.
- ◆ If mounting, place the camera in a cool, dry and well-ventilated place. Do not expose the product to extreme temperatures (above 50 degrees Celsius) or in dusty or very humid environments.
- ◆ Be sure to regularly use the camera and regularly recharge the battery to prevent pre-mature battery failure by leaving in a discharged state.
- ◆ If dirt or dust accumulates on the lens, please use a soft cloth such as a glasses cleaning cloth or microfiber

to gently wipe clean. Avoid heavy pressure to prevent scratches to the lens element.

- ◆ Do not touch the lens surface with your fingers.
 - ◆ The external SD and MMC cards are manufactured from precise electronic components. Data may be lost or damaged under the following circumstances:
 1. Improper use of the memory card
 2. The memory card is bent, dropped or crushed.
 3. Operation under high temperatures, moist environments or exposure to direct sunshine.
 4. Exposure to electrostatic or electromagnetic fields.
 5. The memory card is removed incorrectly or the power supply is interrupted when this camera or computer is connected to the memory card (i.e. during reading, writing and formatting).
 6. Do not touch the metal contact surface of the memory card with fingers or metal materials.
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Product Introduction

- ◆ High definition AVI supported video.
 - ◆ Camera shooting can support VGA (640 x 480) and HD (1280 x 720) modes.
 - ◆ Resolutions of 5M, 3M and 1M are available for still JPEG pictures.
 - ◆ This product supports the watermark function for time and date recording.
 - ◆ High-speed USB2.0 support.
 - ◆ Maximum SD card supported is 32GB, min class 6 required or higher (Not included)
 - ◆ Continuous recording mode – records from beginning if memory card capacity is reached.
 - ◆ This product supports video output and in-situ playback using the inbuilt screen. The recorded video may also be output to a connected TV or Computer system.
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Minimum System Requirements

Minimum System Requirements	
Operating System	Microsoft Windows,2000, XP, Vista, 7 or 8
CPU	Intel Pentium III or higher with 800MHz or other CPU with equivalent performance
Sound Card and Display Card	DirectX 8 or higher
Hard Disk	500MB free space
Others	One standard USB 1.1 or USB 2.0 port

Usage

1. Charge the built-in lithium battery



Connect the camera to the computer using the USB cable for charging whilst the unit is shut down and powered off. The indicator light will show for charging. The unit should be fully charged after 2-4 hours.

2. Use of Memory Card (Not Included)

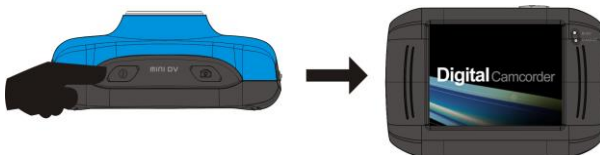
1. Push the SD card into the card slot until it clicks into place.
2. To take out the SD card, gently press the end of the memory card in and it will click out.
3. Please ensure SD card is rated class 6 or higher. Max supported size is 32GB.



Note: This camera has no internal memory, ensure memory card is inserted before use.

3. Startup/Shutdown

3.1 Startup: Press the POWER key for 3 seconds, the screen is displayed and the camera enters the startup state.



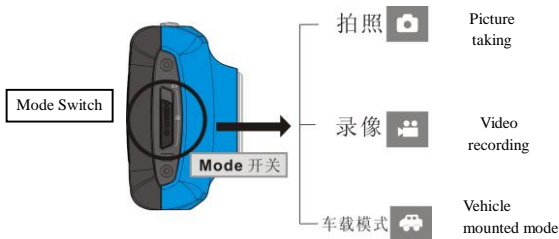
3.2. Shutdown: Press the POWER key once under idle condition and the camera will shut down.

Automatic shutdown: when the camera has been idle for approximately 5 minutes, the camera will shut down automatically to save power.

3.3. When the battery power gets low, the LCD display screen will display the low battery icon. Please charge the camera immediately to continue operation. When the icon turns red and starts blinking, the video camera will shut down automatically.

4. Function Modes

Three modes are available for this video camera: still picture mode, video recording mode and vehicle mounted mode. The selection is available via the mode switch on the side of the camera.



5. Indicator lights


Busy light: when the camera is busy (such as, recording a film, taking photos, automatic off-screen), the busy light will be on.


Charging light: when the camera is being charged.


6. Video recording mode


When the MODE switch is turned to video mode, press the shutter button once or click the LCD in the center once to begin video recording; press the SHUTTER button once again if you want to stop recording. The camera will also stop recording automatically when the memory card is full or the battery power is insufficient to continue recording.


1 **00:12:18:** Timer shows remaining video recording time, 12 minutes and 18 seconds.


2  : mode icon represents that the camera is in video recording mode.


3  : video recording size, choose between 720P and VGA.


4  : indicates that the memory card is inserted.


5  : digital zoom icon, click to zoom in.

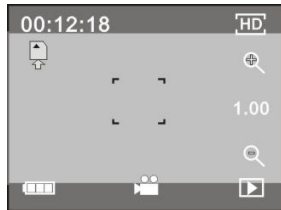
6  : digital zoom icon, click to zoom out.

7  : visual shutter, click this icon for taking photos or recording.

8  : battery icon represents the present power of the battery.

9  : represents digital zoom magnification.


10  : click this icon to switch between the playback mode.





7 Photo mode


Switch the MODE switch to the photo mode, press the SHUTTER button or click the LCD in the center once under the previewing state to take a photo.


1 **0/1234**: Counter indicates the current number of photos taken already /number of photos to be taken.


2  : mode icon, indicates that the camera is in still photo mode.


3  : photo resolution size, click this icon to select between 1M, 3M or 5M.


4  : indicates that the memory card is inserted.


5  : digital zoom icon, click to zoom in.

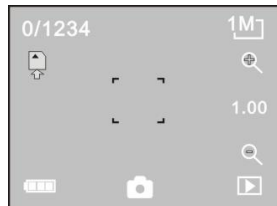
6  : digital zoom icon, click to zoom out.

7  : visual shutter, click this icon for taking photos or videoing.

8  : battery icon represents the present power of the battery.

9  : represents digital zoom magnification.


10  : click this icon to switch between the playback mode.





8 Vehicle mounted mode


Turn the MODE switch to vehicle mounted mode, press the SHUTTER button or click the LCD in the center once under the preview state to begin recording. Camera will start loop recording in 5 minutes segments of video. When the SD card is full, the earliest video file will be deleted to allow space for continuous recording.


1 00:12:18 timer indicates that the camera can still record for 12 minutes and 18 seconds.


2  : mode icon indicates that the camera is in vehicle-mounted mode at present.


3  : video loop length, click this icon to select 1, 3 or 5 minutes.

4  : indicates that the memory card is inserted.


5  : digital zoom icon, click it to enlarge.

6  : digital zoom icon, click it to minify.

7  : visual shutter, click it for taking photos and recording.

8  : battery icon, representing the current power of the battery.


9 1.00 : indicates the digital zooming times.









10  : click this icon to switch into the playback mode.



Note: the screen will be off automatically during recording process in order to save power, user can press the POWER button shortly to start the screen and restore display.

9 Playback mode




9.1 After starting up and entering the previewing state click the PLAYBACK icon () at the lower right corner of the LCD to switch to the playback mode:

- 1  : indicates that the current file is an AVI video file.
- 2  : indicates that there is one file in the current folder/one file in total.
- 3  : current folder name (such as: I:\DCIM\100MEDIA
I: is the hard disk of the device).
- 4  : press to select the next video file.
- 5  : press to select the previous video file
- 6  : press to delete current video file.
- 7  : press to play current video file
- 8  : press to resume recording in last selected mode.

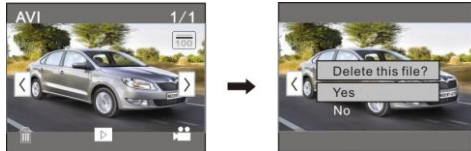


9.2 Movie clips playback



Click  to pause playing, click  to play quickly, and click  to play slowly.

9.3 File deletion



Click YES to delete the current file immediately, or click NO to cancel the deletion operation.

Connection to computer

1. Connect to personal computer

Connect the device to the computer with the USB cable whilst the camera is powered on.

The device will be shown in “my computer”. Photos/videos you have taken are saved in folder I:\DCIM\100MEDIA (I is the drive letter of this device). Files recorded in vehicle-mounted mode are saved in I:\DCIM\RECORDER.

Note: if hard disk function is used in windows 2000 or windows operating system with a higher edition, it is unnecessary to install drivers.

Technical parameters

Image sensor	1.3 million pixel (CMOS)
Function mode	Video recording, still photos, vehicle-mounted mode, hard disk, PC cam
Camera lens	9.3mm, f=3.1
Digital zooming	4 X
Shutter	Electronic shutter
LCD display screen	2.0-inch touch screen
Image resolution	5M (2592×1944), 3M (2048×1536), 1M(1280×1024)
Video resolution	VGA: 640x480 (60 frames/second), 720P:1280x720 (30 frames/second)
White balance	Automatic
Exposure	Automatic
File formats	Image: JPEG, Video: AVI
Storage medium	Class 6 or higher Micro SD Memory Card up to 32MB (Not Included)
USB interface	High-speed USB 2.0 interface
Power Supply	Built-in 3.7V rechargeable lithium
Dimension (length × width × height)	67*48*29mm
Weight	46.5 grams