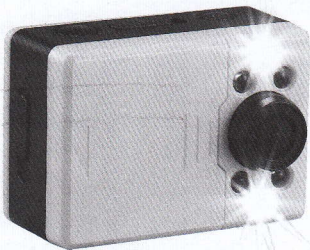


Sport Camcorder



User Manual

Please read through this user manual before using the product and keep the manual for future use.

Please operate the camera on basis of full understanding of the manual.

Any alteration of product appearance and specification below are without further notice.

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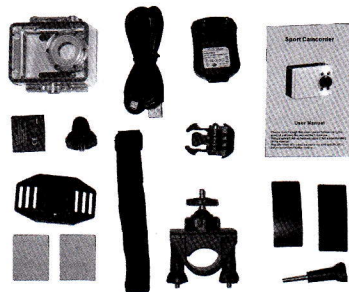
Precaution

Pls be well noted with the following guidelines before you use this camera.

- * Pls refer to manual instruction and operate the camera correctly. Illegal operation may cause damage to camera internal components.
- * Do not fall or hit the camera, it may damage to the internal components.
- * For your safety, please keep the camera from the children and animals, in order to avoid accident.
- * Do not place the camera in a damp or dusty location for extended periods of time. This may cause a fire or an electrical shock.
- * Do not leave the camera in places exposed to extremely high temperatures, such as under direct sunlight for extended periods of time. This may affect the camera housing and internal components.
- * We recommend using battery in temperatures between 0°C to 40°C.
- * Turn off the camera before removing the memory card, in case of the damage to card or storage data.
- * The temperature rise is normal after using the digital camera for a long time.
- * Do not touch the lens during using the camera, so as not to influence the photography effect.
- * Please use the air blower (special lens blowing equipment) to clean lens or use special lens-cleaning cloth to clean fingerprint or dust on the surface.

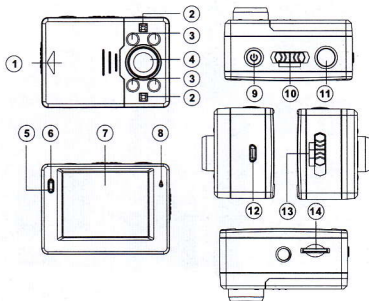
Accessories

USB cable
Helmet pedestal
Quick-released buckle
Screw mount adapter
Long screw
Nylon strap
AC charger
Waterproof case
Battery
User manual
3M pads
Rubber pads
Rotatable handlebar mount



Operation Interface Introduction

1. Battery cover
2. LED lights
3. IR lamps
4. Lens
5. Charging indicator
6. Working indicator
7. Touch screen
8. MIC
9. Power key
10. Mode switch key (Photo mode, Normal recording mode, Car mode)
11. Shutter key
12. USB port
13. IR and LED switch key (Strong light, Normal light, OFF, IR on)
14. TF card slot



Mounting Description

The camera can be mounted in many ways. The methods of mounting are suggested as below:

1. Mount to the top of helmet

Thread the nylon strap into helmet pedestal, then thread the nylon strap into helmet and fasten it, then fix pedestal more firmly using 3M pads. (Pic. 1, 2, 3, 4)

Pic. 1



Pic. 2



Pic. 3



Pic. 4



2. Mount rotatable handlebar mount

As shown in below pictures, screw the camera to the rotatable handlebar mount then install onto the motorcycle or bike.



Insert and take out storage card

1. Insert the card according to the right direction
2. Take out the storage card
 - 1) Turn off the camera
 - 2) Press the edge of the storage card slightly, it will eject automatically.

Notice:

Please confirm the inserting direction of the TF card. Reversed inserting may cause damage to the camera and the card.

Battery charging

Connect camera and power supply using charger. During charging, the red indicator is on. When it is fully charged, the indicator will be off. Estimated Charging time: 2 hours.



Notice:

1. To improve the charging efficiency, please turn off camera during charging.
2. Please make sure power is on during charging.

Button Function

1. **Power key:** to turn on/off camera.
2. **Mode key:** to switch to photo mode, video mode or car mode.
3. **Shutter key:** to take photo, start/stop recording. Holding pressing the shutter key for 3 seconds under standby mode to switch to the photo mode or video mode (This helps user to switch to photo & video mode freely when underwater using the waterproof case)
4. **LED light key:** to turn on/off LED light or IR lamp and adjust the brightness of lights.

Turn on/off camera

1. Turn on: press and hold  for 3 seconds to turn on camera (If under car mode, camera starts recording automatically after 3 seconds after it turns on)
2. Turn off: under standby mode, press and hold  for 3 seconds, camera will turn off.
3. Auto screen-off: under standby mode or during recording, if there is no operation to camera for 1 min, LCD screen will be off automatically to save power.
4. Auto power-off: Under standby mode if continuously no operation to the camera, when reach a certain time (default to 5 minutes), camera will active the "auto power-off" function and turn off.)
5. Power off: when low battery, the battery icon on the LCD screen will show empty grid, please charge camera in time. If battery icon is with "X" and flicking, camera will show "low battery" and turn off automatically.

LED light

Under standby mode or during recording, switch the LED key on the right side of camera to turn on/off LED lights.

There are four options as below.

First switch on top: Strong light LED;

Second switch: Normal light LED;

Third switch: Off Status for LED & IR;

Fourth switch: IR lamp on.

Time and language setting

1. Time setting: Click the Clock icon on LCD screen, it comes up time setting interface, then click to adjust the digits of year(2013-2050) / month(01-12)/ date(01-31) /hour(0-23) / minute(00-59). Press the shutter key to exit.

(Remark: Digit adjusting supports "+" increasing operation only)


2. Language setting: Click icon , it comes up Language interface, select language you need, press shutter key to confirm and exit.


Icon pictures and functions





 Counter: Count the No of photos available to take

 Language icon: Select language "ENGLISH /FRANÇAIS/Italiano/Português /简体中文/DEUTSCH/русский /Español /日本語 "

 Battery icon: Indicate current capacity of battery

 Time setting icon: Set the time

 Virtual shutter: Click to take picture/video instead of pressing shutter key

 Photo icon: Indicate the current mode is Photo mode

 Picture size: Select pixel of 3M/5M



Zoom in icon: to zoom in



Zoom Value: Indicate the Zoom Value digit



Zoom out icon: to zoom out



Review icon: Switch to playback mode



Timer: to indicate remaining recording time



Video icon: Indicate the current mode is video mode



Video resolution: Select different resolution
FHD (1920*1080P/25fps)
HD (1280*720P/30fps)
VGA (640*480/30fps)



Car icon: Indicate the current mode is Car mode



Loop recording mode: Select loop record by
2 mins/ 5 mins

Video mode

1. Normal recording mode:

Switch the button on the top of camera to the middle position, then press shutter key or click virtual shutter in the middle of LCD screen to start recording. During recording, green light flickers. It will save videos every 10 mins and continue recording automatically. Press shutter key again to stop. If memory card full or too low battery it will stop recording and power off automatically.

2. Loop recording Car mode:

Switch the button on the top of camera to the right position, press shutter key or click virtual shutter in the middle of LCD screen to start recording. During recording, green light flickers. It will save videos every 2 mins and continue recording automatically. When the memory card is full, it will overwrite the first video footage automatically and continue recording and so on.

Remark: Screen will be off automatically during recording to save more power. Press once power key or touch any part on LCD screen to restore display.


Photo mode















Switch the button on the top of camera to the left position, press shutter key or click virtual shutter in the middle of LCD screen to take photo.

Playback mode






Playback interface icons




1. Under standby mode: click the icon  on the right bottom of LCD to switch to playback mode.

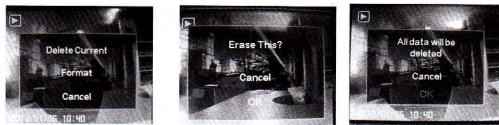
-  Indicate it is AVI format video file
-  Indicate it is photo file
-  Indicate numbers of photos/videos taken
-  Indicate video resolution
-  Indicate photo size
-  Enter into next file
-  Enter into last file
-  Playback the current video
-  Fast forward icon
-  Fast backward icon
-  Pause playback
-  Continue playback
-  Enter into delete interface
-  Switch to video/photo mode

2. Video Playback:


Under standby mode: click  to enter into playback mode, then click  to start playback,  to fast forward,  to fast backward. During fast forward/backward, click  to pause and click it again to come back to normal playback.

3. Delete/format file

Under playback mode, click  to enter into the interface 1, select "Delete current", "Format" or "Cancel". If select "Delete current" it will enter into interface 2, click "OK" to delete the current file. If select "Format" it will enter into interface 3, and click "Ok" to delete all files. Click "Cancel" to return to playback mode.



Playback video footage on PC

1. Connect PC with camera using USB cable, LCD screen displays Mass Storage/PC Camera. To browse the photos/videos, pls choose "Mass Storage", press shutter key to confirm. Open "My Computer"- "Removable Disk" -"DCIM" - "100MEDIA" folder to check files.
2. To start PC camera, pls choose "PC Camera", press shutter key to confirm. Open "My computer" and click icon  to start PC.

Technical specification

Sensor:	5 Mega CMOS
Video Resolution:	1080P 25FPS 720P 30FPS VGA 30FPS
Photo size:	3Mega 2048X1536 5Mega 2592*1944
Lens:	130 degree all glass
External Memory:	Micro SD card slot, support up to 32G
Format:	JPEG/AVI
Zoom in /out:	4X
Audio:	Built in Mic, Buzzer
Screen:	2.0 inch TFT screen
Port:	USB2.0
Waterproof:	30M
Battery:	Built in 800mAh Lithium battery
PC-function:	Valid
Lights:	4 x IR lamps, 2xLED Lights