

FULL HD SPORTS CAMERA

User Manual

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Precaution

Pls be well look through the following guidelines before you use this DVR.

- Pls refer to manual instruction to operate the camera correctly. Illegal operation may cause damage to internal components.
- Do not fall or hit the DVR, it may damage the internal components.
- Do not alter or dismantle the DVR, to avoid the damage to the DVR.
- The temperature rise is normal when DVR in use for a long time
- Do not touch the lens when recording which will affect the video quality.

DVR Special Features:

Inversion Mode

If need to invert dvr while using,you can choose an option named "inversion mode" in the menu, then the machine can rotate 180 degrees,but characters and images on the screen can be normal as a positive direction.

WiFi Function

Open WiFi button within the menu, it will be more convenient to operate the machine at a distance of 30 meters using a mobile phone.

2.4G wireless remote control

waterproof watch remote control

Mount Method

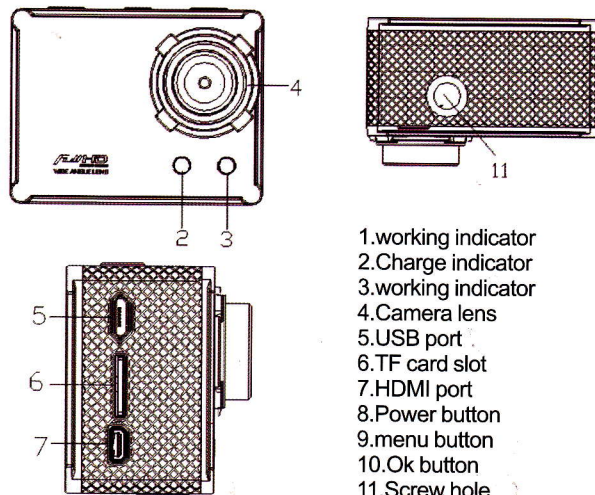
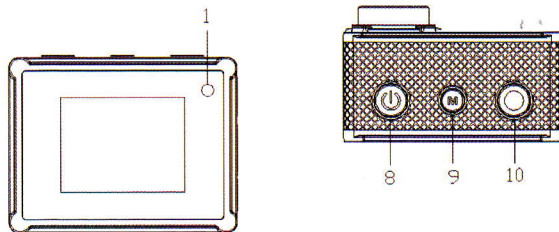
The mount accessories are the same as GoPro.

Product Accessories

| | | |
|-----------------|-------------------------|-------------|
| Accessory 1 | Accessory 2 | Accessory 3 |
| USB Cable | Charger | Accessory 4 |
| HDMI cable | Accessory 5 | Accessory 6 |
| Waterproof Case | Wrist Remote Controller | 3M Pads |
| User Manual | Accessory 7 | Battery |



DVR Interface



- 1.working indicator
- 2.Charge indicator
- 3.working indicator
- 4.Camera lens
- 5.USB port
- 6.TF card slot
- 7.HDMI port
- 8.Power button
- 9.menu button
- 10.Ok button
- 11.Screw hole

Button function

Power button: Long press to turn on and off DVR, short press to switch video/picture/playback mode, page up when setting menu.

Menu button: Short press to enter menu and confirm the menu option, long press to exit menu. page down when playback. support capture under video mode.

Ok button: Start / stop recording when under the video mode, take pictures, Start/pause playback. Page down when setting menu.

DVR Operation

Power on/off

Power on: Long press Power button, the lcd screen shows the startup picture, two blue working indicators will light up, DVR enters standby mode.

Power off: When camera is on, long press Power button, the lcd screen shows the shutdown picture, two blue working indicators will be off, DVR powers off.

When connected to Car Charger, DVR will turn on automatically when the car ignites; will turn off when the car stalls.

Battery Charging

Connect DVR with power charger via USB cable, the red light will light up. if you want to charge faster, turn off the machine when charging.

Video mode

Video interface:

1. record icon
2. exposure Compensation
3. white balance
4. frame rate
5. resolution
6. cards remaining time
7. battery icon
8. Year /Month / Day
9. time



Normal recording

Closing "seamless" in the video mode menu, Press OK button, DVR starts recording till the card is full. Press OK button again to stop recording.

Loop recording(refer to menu setting)

Press ok button to start recording Under standby mode, DVR will segment automatically and store the recorded files when the video recorded up to the time you set. When card is full, DVR will overwrite the first footage by time sequence and continue recording.

Picture Mode

Picture interface:

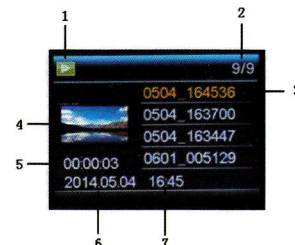
1. picture icon
2. exposure Compensation
3. white balance
4. picture size
5. Remain photos
6. battery icon
7. Year /Month / Day
8. time



The DVR default setting is Video mode. Under standby mode, long press ok button to enter picture mode, aim at the object you want to shoot and press ok button, DVR will save the picture automatically.

Playback Mode

1. playback icon
2. file number / total number of files
3. select the file you want to play
4. file Preview
5. file length
6. 7. date stamp



In standby mode, press the OK button to switch to playback mode, press the Menu button and select the video / picture you need, press the OK button to Preview / playback. Press the OK button to stop playing.

Menu Setting

In standby mode, press the Menu button to enter the menu mode, then press the menu key can switch mode menu and System menu. Press the OK button to page down, press the power button to page up, press the Menu button to confirm. Long press the menu button to exit the menu.

Video mode/Picture mode/Playback mode each has two menus: Mode menu and System menu.

Video Menu:

Movie Size: 1920 * 1080P 30/1280 * 720P 60/1280 * 720P 30
Video quality: super fine / fine / normal
Seamless : OFF / 1 minute / 3 minutes / 5 minutes
White Balance: Auto / Daylight / Cloudy / Tungsten / Fluor
Exposure: -2.0 -1.0 +0.0 +1.0 +2.0
Motion detect: OFF / ON
Date stamp: Off / Date / Date & Time

picture menu:

Resolution: VGA/2M/3M / 6M/8M/10M
White Balance: Auto / Daylight / Cloudy / Tungsten / Fluor
Exposure: -2.0 -1.0 +0.0 +1.0 +2.0
Driver Mode: Off / 2S / 10s / Double
Photo Burst: off / 10fps/20fps/30fps

Playback mode menu:

Please select File type!
VIDEO
JPG

System menu:

Sounds: Beep (on / off) / Volume (0/1/2/3) Voice Rec (on / off)
Power Save: Off / 1 min / 3 min / 5 min
Date & Time: 02/06/2012 19:17 Year / Month / Day
Language: English / Traditional Chinese / Simplified Chinese /
German / French / Spanish / Russian/Italian
Stabilizer: OFF / ON
Invert Mode: OFF / ON
Time Zones: -12-11-10-9-8 -7-6-5-4-3-2-1 +0 +1 +2 +3 +4 +5
+6 +7 +8 +9 +10 +11 +12
USB: MSDC / PC CAM
Remote Pair: Off/On

WiFi: Off / On

WiFi password: rtwap_evb 1 2 3 4 5 6 7 8

Format: Yes / No

FW Update: Yes / No

System: Factory Reset / System Info / Card Info

Remote Control Description:

There are two buttons on the remote control, press the video button to start/stop the recording. Press the picture button to take pictures. press the picture button to capture under video mode.

Matching the remote control:

Set "Remote Pair" in the menu to On, keep pressing the two buttons on the remote control, you can see blue light of Remote control flashing, release the two buttons after 3 seconds. press the power button of the DVR to exit the Remote Pair and return to preview mode, take video or pictures via the remote control. If you can operate it is successful, if not, please repeat above operation. Please keep the camera and remote control within one meter when matching.

Install and use WiFi

1. search ismart dv or icatch on Google or Apple Store, then download



and install this software

on your phone.

2. open simultaneously "WiFi" of the phone and DVR
3. find the "rtwap-evb" in the phone "WiFi", open and enter the password (the default password is 12345678), the DVR and phone WiFi password should be same.
4. when the DVR screen displays "Connected", it indicates that the phone has successfully connected to the machine.
5. find "ismart DV" software on the phone, then you can operate the DVR and download the files..

Connected TV

Connect the DVR to the TV via our HDMI cable, all operations can be displayed in high-definition TV screen.

Playback on PC

Connect DVR to a PC via the USB cable, DVR will turn on automatically. Then you can open My Computer and the removable disk. It has two

folders,you can open the file you need or copy

Technical Specifications

| | |
|---------------------------|--|
| Product specifications | 57*44*28.5mm |
| weight | About 85g(include battery) |
| Sensor | 5 Mega CMOS |
| Lens | 6G+IR F=1.6 |
| View angle | 170 degree |
| Resolution | 1920*1080@30fps, 1280*720@60fps, 1280*720@30fps |
| Image size | 10M 8M 6M 3M 2M VGA |
| video file formats | MOV H.264 |
| picture file formats | JPG |
| Memory card | 4GB to 32GB.(Micro SD Card Class6 above) |
| Audio | Built-in microphone / speaker |
| USB port | USB2.0 high-speed interface for charging and data transfer |
| screen | HD 1.5"TFT |
| Seamless loop recording | Optional 1/3/5 minutes |
| HDMI output | Real-time transmission |
| White balance | support |
| Exposure Compensation | support |
| Capture | Support by DVR and remote control |
| Continuous | support |
| PC CAM | support |
| Image Invert | support |
| WiFi distance | 30m |
| WiFi frequency | 2.4GHz-2.4835GHz |
| WiFi support phone system | IOS6.1 and above, Android 4.0 and above |
| WiFi function | Image transmission, remote control, settings, sync and sharing albums |
| Wireless mode | direct |
| Wireless transmission | IEEE 802.11b/g/n |
| Battery capacity | Lithium-ion batteries can be changed.1050mAh,recording for over 3 hrs |
| Language | Simplified Chinese / Traditional Chinese / English / Russian / French / Spanish / Italian / German |
| Waterproof | 50 meters |
| Remote control frequency | 2.4GHz |
| Remote control waterproof | 6 Meters |
| Remote control distance | 15m |