

Precaution

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

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

Special Features:

- **G-Sensor**

DVR will save videos as undeletable files when gravity acceleration, any accident happens.

- **SOS function**

Under recording mode, press Down button momentarily to activate SOS function, the current video will be saved as undeletable file.

- **Silent Video Recording**

Under recording mode, short press up button momentarily to off microphone, the microphone icon on screen will change to No voice icon. Do not worry about your secret talk.

- **Image Rotation Function**

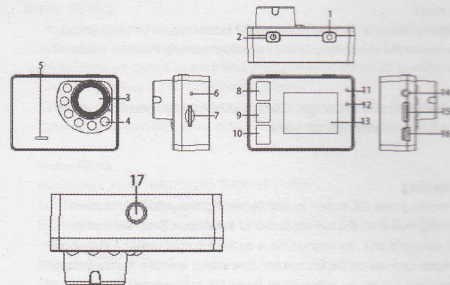
When the camera need to be mounted upside down, turn on the Image Rotation, the video footages and pictures will be upright.

Accessories

1. Bike bracket
2. Universal bracket
3. Pedestal bracket
4. Helmet mount
5. Base mount
6. Base bracket
7. Elastic band
8. 3M pads
9. Nylon belt buckle
10. AC charger
11. USB cable
12. HDMI cable
13. TV cable
14. Waterproof case



Camera Interface



- | | |
|-----------------|------------------------|
| 1. OK Button | 10. Down Button |
| 2. Power Button | 11. Working Indicator |
| 3. Lens | 12. Charging Indicator |
| 4. Night Lights | 13. Screen |
| 5. Speaker | 14. TV Port |
| 6. Reset Key | 15. HDMI Port |
| 7. TF card slot | 16. USB Port |
| 8. Up Button | 17. Screw Hole |
| 9. Menu Button | |

Button Function

Power button: Turn on/off camera

Reset button: Press it to restart camera once its system is dead.

Menu button: Enter menu setting

Up button: Zoom in the image; Page up when setting menu; Select the file under playback mode. enable/disable the microphone

Down button: Zoom out the image; Page down when setting menu; Select the file under playback mode; activate SOS recording.

OK button: Start/Stop recording; to take pictures; to confirm menu setting; Under playback mode press it to start/pause playback; Long press to switch video/picture/playback mode.

Basic Operation

1. Power on/off

Power on: When camera is off, long press Power button, you hear beep sound, the lcd screen shows the startup picture, the yellow working indicator will light up, it enters standby mode.

Power off: When camera is on, long press Power button, you hear beep sound, the LCD screen shows the shutdown picture, the yellow working indicator will be off, it powers off.

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

2. Video Mode

1. Normal recording

Under standby mode, press OK button to start recording, the yellow indicator will flash. The recording icon is on the top left corner of the screen; G-sensor icon is middle top (If G-sensor is on), recording time is on the top right corner; Microphone icon and Night lights icon are on the left bottom; time stamp is on the middle bottom; Card icon, battery icon are on the right bottom. Press OK button again to stop recording. The remaining recording time is on the LCD screen.

2. Loop recording (refer to menu setting)

Under standby mode, press OK button to start recording, the yellow indicator will flash. The recording icon and cycle icon are on the top left corner of the screen. When the video recorded up to the time you set (say 3 minutes or 5 minutes), it will save the footage automatically and continue recording. When TF card is full, it will overwrite the first footage by time sequence and continue recording. Press OK button again to stop recording, the remaining recording time is on the LCD screen.

3. Picture Mode

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

4. Zoom in/out

Under standby or picture mode, press Up/Down button to zoom in/out the image.

5. Playback Mode

Under standby mode, long press OK button twice to enter playback mode, and press Up/Down button to select the video/picture, then press OK button to play back. During playback, press Up/Down button to fast backward/fast forward.

6. Delete Files

Under playback mode, press once Menu button to enter delete mode, press Up/Down button to select Delete/Format, press OK button to confirm, then press Up/Down button again to select the option, and press OK button to confirm.

Press Menu button to back standby mode.

7. Menu Setting

Long press OK button to switch Video mode/Picture mode/Playback mode.

Short press Menu button to enter each relative menu

Press Up/Down button to set menu, then press OK button to confirm setting.

Short press Menu button to exit menu setting.

Video mode/Picture mode/Playback mode each has two menus: Mode menu and System menu. System menus of three modes are the same.

Video Menu:

Resolution: 1920*1080P/1280*720P/640*480P

Loop recording: Off/3 minutes/5 minutes

Exposure: +2.0 +5/3 +4/3 +1.0 +2/3 +1/3 +0.0 -1/3 -2/3 -1.0
-4/3 -5/3 -2.0

Motion detection: Off/On

Date stamp: Off/On

Record audio: Off/On

G-sensor sensitivity: Off/Low/Medium/High

Picture menu:

Capture mode: Single/2S Timer/5S Timer/10S Timer

Resolution: 12M/8M/5M/3M

Quality: Fine/Normal/Economy

Sharpness: Strong/Normal/Soft

White Balance: Auto/Daylight/Cloudy/Tungsten/Fluorescent

Color: Standard/Black & White/Sepia

ISO: Auto/100/200/400

Exposure: +2.0 +5/3 +4/3 +1.0 +2/3 +1/3 +0.0 -1/3 -2/3 -1.0
-4/3 -5/3 -2.0

Date Stamp: Off/Date/Date & Time

Playback menu:

Delete: Delete current/Delete All

Format: Cancel/OK

System Menu:

Date/Time: 2013/01/01/01/01/01 YY/MM/DD

Auto power off: Off/2 minutes/5 minutes/10 minutes

Beep sound: Off/On

Language: Italiano/Portuguese/Chinese(traditional)/Chinese(simplified)/Japanese/

Russian/Korean/English/Deutsch/French/Spanish

Frequency: 50Hz/60Hz

TV Type: PAL/NTSC

Delay power off: Off/15 seconds/1 minutes/5 minutes

Image Rotation: On/Off

Screen savers: Off/1 minute/3 minutes/5 minutes

Night Lights: On/Off

Default setting: Cancel/OK

Version: AT881.20130910.V11

II. Playback on HDTV/PC

HDMI and TV out

Connect the camera to HDMI port or AV IN port of TV with the HDMI /TV cable, playback the videos and pictures on TV.

PC mode

Connect the camera to a PC via the USB cable. The dvr screen shows 'Mass storage' and 'PC camera', press up/down button to select, then press OK button to confirm.

1. If select 'Mass storage' you can check and download the video footages and pictures.
2. If select 'PC camera', it can be used as IP camera.

Technical specification

Sensor:	1.3Mega CMOS
Lens:	Fixed Focus, 120 degree under full hd mode
Image size:	12Mega 4000*3000
	8Mega 3264*2448
	5Mega 2592*1944
	3Mega 2048*1536
Resolution:	Full HD (1920*1080) 25fps
	720p (1280*720) 30fps
	VGA (640*480) 60fps
Audio:	Built-in Microphone
Storage:	Support Micro SD card up to 32G(not included)
File Format:	JPG/AVI
Battery:	800MAH rechargeable Li-ion battery
Screen:	1.5inch high definition screen
USB:	USB 2.0
HDMI:	Support
AV OUT:	PAL/NTSC
Silent video recording:	Support
SOS reording:	Support
G-sensor:	Support
Image Rotation:	Support
Waterproof:	waterproof underwater 60meters