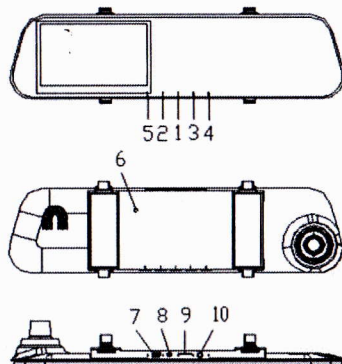


This product adopts high-performance chip, provides high definition video and seamless dynamic image. The product has passed strict authentication of European CE and America FCC, which supports FHD1080P full high definition camera shooting. Please read the manual carefully before using and properly keep it. We hope this product can meet your requirements and establish a long-term service relationship with you!

I. Illustrations of Appearance and Functions:



- | | |
|------------------|-------------------------------------|
| 1. Power key | 6. Reset key |
| 2. Menu/Mode key | 7. USB port |
| 3. Up Key | 8. Rear camera port |
| 4. Down key | 9. TF card slot |
| 5. Ok key | 10. GPS output interface (optional) |

1. Power key

Function 1: power on & off function

In switch-off state, press and hold this key long for 3s to power on this device, then it will automatically start to work. In switch-on state, hold this key long for 3s to switch off with video file automatically saved.

Function 2: turn on/off screen

In standby state, press the Power key shortly to turn the screen off and again to turn the screen on.

2. Menu key/Mode key/ Emergency Lock Key

Function 1: Mode switch

In standby status, press Mode key can realize switch among different modes (video recording/photograph/replay).

Function 2: Menu function

In standby state, press Menu key shortly to enter the main menu function setup list, press the UP/DOWN key shortly to choose your desired option and then press the OK Key shortly to confirm. After setup, press the Menu Key shortly until you exist from men setup. (Menu setup is the same in video mode, image mode and playback mode.)

Function 3: emergency lock function

In video recording mode, if you want to protect current video from being covered, short press Menu key to start emergency lock function, there presents files lock icon on the bottom right of the screen at this moment, which shall keep the video of accident occurred 10 seconds before and

after 20 seconds as a special video and this video will not be covered.

3. Up Key/Fast Backward/ Motion Detection/Camera switch

Function 1: Page upward

In menu setup and replay mode, this key is to page upward.

Function 2: fast backward

In replay mode, short press Up Key can realize fast backward.

Function 3: motion detection

In standby status, long press 【Up Key】 can switch to motion detection mode and again can exit this mode.

Function 4: camera switch

It will automatically display dual cameras after connecting external rear camera. In video

recording mode, short press Up Key can realize switch among four display modes: front camera, rear camera, picture in picture and split-screen presentation; in photo- graph mode, short press Up Key can switch front camera and rear camera.

4. Sound Recording/Down Key/Fast Forward/Parking Monitor

Function 1: turn off sound recording

In video recording mode, short press Down key can turn off sound record. Microphone on the bottom right of screen becomes a prohibition icon, which means sound recording function has been turned off. Short press Down key again can turn it on, the icon shows sound recording is turned on.

Function 2: page downward

In menu setup and replay mode, this key is to page downward.

Function 3: fast forward

In replay mode, short press Down key can realize fast forward.

Function 4: parking monitor

In standby mode, long press Down key can turn on/off parking monitor function.

5. Video Key/Image key/OK key

Function 1: Turn on/off video recording

In video recording mode, short press Ok key to start video recording and again to stop recording.

Function 2: Take pictures

In photograph mode, short press OK key can take a picture.

Function 3: file play

In file browsing mode, short press OK key can play video.

Function 4: Confirm

In video recording mode/photo mode/replay mode, press the Menu key shortly to enter the main menu mode, press the UP/DOWN Key shortly to browse and the OK Key to confirm.

II. Installation instructions

1. Shut off the automobile engine.
2. Insert the TF card into the card slot of the device.

[Note] Please use high-speed TF card (above Class 6) with capacity not less than 512MB and supporting 32GB maximally.

3. Fix the recorder on the original rearview mirror of automobile.

4. Plug car charger into automobile cigarette lighter.

5. Connect the USB port of the recorder with the on-board charger with the charge extension line.

[Note] In wiring, lay the charge extension line along the edge of the windscreen.

6. Install the rear camera at the back of automobile, pay attention to direction when installing. Wiring can be along the roof of vehicles. After finishing installation, connect the plug to rear camera interface of the recorder.

7. Adjust the position of the camera and make sure it levels with the ground.

8. Start the engine and check if the recorder is installed correctly.

[Note] When the recorder is installed correctly, the system work indicator and the charge indicator will be on (or off after the battery is fully charged), the video indicator will flicker and the recorder will be activated into the recording state. Be sure to check if the picture on the screen is normal. If the picture is reverse, adjust it by switching the positive/negative phase of the camera.

III. Brief introduction of function

1. Use automatic recording function

Start the engine of the vehicle, then the recorder will automatically start, the charge system and the charge indicator will be on and the video indicator will flicker. Stop the engine, then the recorder will automatically

save the recording content and stop automatically. The recorded video will be stored in the TF card by segments. When the TF card is full, the early video will be covered. The recording time interval may be set up in the menu and chosen from 2mins/3mins/5mins.

【Notice】

a.If any gear in “2/3/5” is chosen, the recorder shall cover the previous recorded video when TF card storage is full;

b.Video of front and rear camera are respectively saved in “DCIMA” and “DCIMB” folder of TF card.

2. Use manually recording function

Press the Power key for 3s of the recorder, then the recorder will be activated and start

automatic recording and the video indicator will be on and flicker. Press and hold the Power key again for 3s, then the recorder will automatically save the record and then power off.

3. Use shooting function

In power-on state, press the Mode key shortly to enter the image mode. In such case, the icon in the left upper corner of the screen will change from video recorder to image taker; press the Ok key shortly again to take pictures. To switch to video mode, press the Mode key shortly for twice.

4. Use motion detection function

In the standby state, long press Up Key to enter motion detection mode. The machine shall enter camera shooting state when the

lens senses the motion of objects. If it fails to sense motion of objects for 5 seconds, the device shall stop video recording. If you want to exit motion detection mode, long press Up Key for 3 seconds before recording the video can exit motion detection mode.

5. Collision sense function

There's built-in collision sensor (G-sensor) in the recorder. If serious vehicles collision occurs, the recorder will lock the recorded video of accident occurred and save it as a special video, meanwhile, there presents lock icon on the upper left of screen. The locked video shall not be covered.

Note:

- a. The name of the locked video file is

time/date+SOS while that of a common video file is time/date.

- b. Collision sensor (G-sensor) supports sensitivity adjustment, which can be changed and set in setting menu by users as actual needs.

6. One key lock function

This machine is equipped with one key lock function, which can lock the video needs to be saved instead of cyclic covering. In videoing, press the Menu key shortly, then the DVR will lock the desired video and the name of the locked video file will be time/date+SOS.

7. Date/Time Setup

In standby state, long press the Menu key to enter the system setup menu; press the

UP/DOWN key to move the cursor to the option of date setup. Then press the OK key shortly to confirm and enter the setup menu. Press the Mode key shortly to switch the options of date, the Up/Down key to adjust time and the OK key to exit and save the set time.

Note: For the effective recording of the date and time for the traffic accident, be sure to set correct time before use.

8. Function of One-key Mute

In working state, press the Down key shortly, then the microphone icon in the bottom left corner of the screen will turn white, indicating that the video and audio synchronization has been off. In such case, the recorder will record only video rather

than audio; press the Down key shortly again, then the microphone icon in the upper part of the screen will turn colorful, indicating that the video and audio synchronization has been recovered.

[Tip] The setup will be saved automatically and thus it is unnecessary to set mute for the next startup.

9. U-disc Mode

Connect the recorder to the PC USB port with data cable, then the screen will display the optional modes of disc and camera. Press the Up/Down key to choose the option of disc and press the OK key shortly to enter U-disc mode.

10. Replay

In power-on state, press the Mode key

shortly for twice to switch to replay mode. Press the up/down key shortly to find the desired file, press the OK key shortly to play the file. To exit, press the Mode key again.

11. Visual image of automobile reversing

First of all, car charger must be connected to the recorder. Black and red line on the pulling camera need to be connected to backup light. Plug the car charger in can automatically start video recording state. If a car is in reverse gear at any state, it will present reversing image. After finishing visual rear view, the recorder returns to video recording mode automatically.

12. Parking monitor

When parking monitor function is on, in the state of power-off, if there's slightly vibration of automobile, the recorder shall start and take video automatically. If the automobile is in a status of flameout, the recorder shall save recording for 20 seconds and then power off.

Answers to Common Questions

1. Why is the device often restarted?

Answer: 1) Firstly check if the device has activated the parking monitoring function. If yes, inactivate it.

2) The failure of the TF card may result in the restart of the device. Please format or replace the card.

2. Why does the recording device resume to record after several seconds?

Answer: Check if the motion detection has been acted (check if there is one small figure on the upper right of the screen). If yes, please inactivate it (hold the [Up] key for 3s) or format the TF card.

3. Why is the device unable to turn on?

Answer: 1) Check if the power cord is normal, if the car charger works and if the charging LED on the car DVR works.

2) After unplugging the TF card, reset the device, press the On/Off key to check if the device can turn on.

4. Why is the video unclear?

Answer: The lens is unclean or the windscreen is not clean enough. Clean the

lens or the windscreen.

5. Why is the device unable to have circular recording?

Answer: 1) Check if the device has been set as circular video mode or has restored to factory settings.

2) The TF card has too many broken blocks and the HD video to be saved to the card is too large, so the device cannot have circular video. Please format or replace the card.

6. Why does the image have the disturbance of horizontal lines?

Answer: According to the local power supply frequency, set the frequency as 50Hz or 60Hz. (50Hz for China and 60Hz for foreign countries).

IV. Products specification

Built-in image sensor	120W
Lens angle	170°
Resolution of rear camera	720×480
Video resolution	1080P(FHD1920*1080),25FPS 720P(HD1280x720), 30FPS VGA(640*480),25FPS
Image resolution	1M(1280*960) 2M(1600*1200) 5M(2592*1944)
Store and compressed method	H.264
Video format	MP4

Image format	JPEG
Storage temperature	-30℃~70℃
Operation temperature	0℃~50℃
Operation humidity	15-65%RH
Capacity of storage card	Supports capacities as large as 32GM
Standard voltage	DC5V