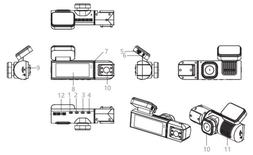
HD tachograph

This product uses high-performance chips to provide high-definition video and seamless dynamic images. Support 1080PFHD and 720P video recording. Please read this manual carefully before use and keep it properly. We hope this product can meet your needs and serve you for a long time!

Description of appearance and key functions



1. Mode key/menu
2. Up key
3. Flip down key
4. Power key/OK confirmation key
5. USB power
6. AV-IN interface
7. Video indicator
8. 3.16 inch display
9. TF card slot
10. Camera
11. Horn
12. Reset keyhole

1. Power key/OK confirmation key

Function 1: On/Off function

In the shutdown state, short press the [Power Key] to turn on the power of the machine, and the machine automatically starts to work. In the power on state, long press the [Power Key] for 3 seconds to automatically save the video files and user settings and turn off the computer.

OK confirmation key

Function 1: In the main interface or video recording interface, press [Power Key] briefly to turn on/off video recording.

Function 2: In the video playback interface, short press [Power Key] to play/pause the file

Function 3: In the setting interface, briefly press [Power Key] to save the setting task

2. Mode key/menu

In standby mode, press the mode key briefly to enter the main interface;

Long press the mode key to enter the setting menu;

3. Turn up key

In standby mode and menu mode, press the scroll up key briefly to scroll up;

In the main interface mode, briefly press the up key to turn on or off the recording volume;

In the video playback mode, press the scroll up key briefly to reduce the playback volume.

4. Turn down key

In standby mode and menu mode, press the flip key briefly to scroll down for setting;

In the main interface mode, press the flip key briefly to switch the front and rear view picture in picture interface;

In the video playback mode, press the scroll up key briefly to increase the playback volume.

2、 Installation Guide

1. Turn off the car engine.
2. Insert the TF card into the recorder card slot.

[Note] Please use a high-speed TF card (above Class6) with a capacity of no less than 4GB. The TF card supports a maximum of 32GB.

3. Fix the recorder on the original rearview mirror of the car.
4. Insert the car charger into the cigarette lighter.
5. Connect the USB interface of the recorder to the vehicle charger with the charging extension cable.

[Note] During wiring, the charging extension line can be laid along the edge of the windshield.

6. Install the rear camera at the rear of the vehicle, and pay attention to the direction during installation. The wiring can be laid along the vehicle roof. After installation, connect the rear plug to the recorder AV-IN.
7. Adjust the lens position to ensure that the lens is level with the ground.
8. Start the engine and check whether the machine is installed correctly.

[Note] When the machine is installed correctly, the system operation indicator is on; The machine starts to enter the recording state, and the recording indicator flashes. Please check whether the picture on the display screen is normal. If the picture is inverted, please contact us in time.

3、 Function introduction

1. Use the driving video function

Start the car engine, the recorder will start automatically and start the video recording function. Click "DASH CAM" on the main interface to enter the video recording interface, and click the video icon " ◯ " to start or close the video recording function; Click the video recording button on the main interface to enable or disable the video recording function. When the icon display solid is red and flashing. When the car engine is turned off, the recorder automatically saves the video content and shuts down. The video recorded is saved in segments on the TF card. When the TF card is full, the recorder will overwrite the video recorded earlier.

[Note] a The recorded time period can be set to 1/2/3/5 in the menu. If any of the four levels of "1/2/3/5" minutes is selected, when the TF card is full, the recorder will overwrite the previously recorded image;

b. The video files and photo files of the front and rear cameras are saved in

the "DCIMA folder" and "DCIMB folder" respectively under the "DCIM" directory in the TF card

2. Use the photographing function

Click "Take a picture" on the main interface to enter the photographing mode, and click the icon of "Take a picture" to take a picture; To return to the main interface, click the Back button at the bottom right of the screen ' M ' return to the main interface.

3. Video playback

Click "Video Playback" on the main interface to enter the playback mode, and click " " The current file can be locked. Click " " To unlock the current file, click " " " " You can page up and down the file and click the play key icon " ▷ " Perform video playback. Click the icon when the video is playing " " " The video can be rewinded by clicking the icon " " The video can be fast forwarded. Click the Back button icon at the bottom right of the screen ' M ' Return to the main interface.

4. One key locking function

In the video recording, click the lock flag " " "Lock the current video, locked files, and the lock icon is " ", click " " Unlock the current file. The locked file will not be overwritten.

5. One button mute function

Click the microphone icon in the main interface or video mode " " Turn recording on or off.

[Prompt] The settings will be saved automatically, and there is no need to set the mute function after restart.

6. Camera interface switching function

In the video interface. Click the interface conversion icon " " Pull the interface screen forward/backward and switch between picture in picture.

7. Time/date setting

In the menu bar, select the "Time/Date" option in "General Settings" to set the time/date.

[Note] In order to effectively record the date and time of obtaining evidence for driving safety accidents, please set the correct time before using this machine.

8. Movement detection function

Click "Function Setting" in the main interface to enter the function setting interface, click video recording setting and then click motion detection to turn on/off the motion detection function. When the current camera senses that there are moving objects in the surrounding area, the machine automatically enters the camera state. The system stops recording 10 seconds after the front camera does not detect moving objects

[Prompt] If you need to use the movement detection function for a long time, please keep the machine powered on for a long time.

[Note] Please enter the settings and exit the motion detection when the recording is stopped.

9. Collision sensing function (optional)

The machine has a built-in collision sensor (G-sensor). Click "Function Setting" on the main interface to enter the function setting interface. Click the video recording setting, and then click the scroll down key to find "Gravity Sensing". Click the gravity sensing to set the collision sensing function. The machine will automatically lock the current video if it vibrates (such as collision) during the recording process.

[Prompt] The G-sensor supports sensitivity adjustment: off/high/medium/low, and can change the settings in the gravity sensor settings according to actual needs.

10. Parking monitoring function (optional)

Click the function setting in the main interface to enter the function setting interface, click the video recording setting, and then find the parking monitoring function. When the parking monitoring function is turned on, if the car has a slight vibration in the shutdown state, the recorder will automatically start recording and lock. This video is locked and will not be overwritten. After 17 seconds of recording, the machine will automatically shut down.

11. Reversing visibility

First of all, connect the car charger to the recorder, pull the camera plug back to connect to the AV-IN socket, and pull the black red wire on the camera to connect the reversing lamp. The car charging machine will automatically start the recording state. If there is a reverse in any state, the reverse image will be displayed. The machine will automatically return to the video recording mode after the end of reverse viewing.

4、 Product specifications

Built in image sensor	120W
Rear camera resolution	820*320
Camera angle	120°
Option Language	English/Traditional Chinese/Simplified Chinese/Japanese/French/Russian
TF memory card slot	Micro TF
Recording resolution	1080P(FHD1920x1080), 720P(HD1280x720),
Photographic resolution	12M(4032x3024) 8M(3264x2448) 5M(2592x1944) 2MHD(1920x1080) 1.3M (1280x960) VGA(640x480)
Storage compression mode	M-JPEG
Video format	AVI

Picture Format	JPEG
Storage temperature	-30℃~70℃
Operating temperature	-20℃~60℃
Operating humidity	15-65%RH
Memory card capacity	Maximum support 32GB

5、 Product structure

Iimage sensor	FHD
Display	3.16 inch RGB display
Camera lens	English/Traditional/Chinese/Simplified Chinese/Japanese/French/Russian
Video specifications	AVI
Image format	JPEG
Transmission	USB2.0

Power interface	5V /1A
Capacity support	Maximum 32GB
Built in loudspeaker	8R 0.5W
Built in recording	High fidelity horn
Battery	Built in lithium polymer

Note: The design and specification of this product are subject to change without notice

FCC Warnning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection againstharmful interference in a residential installation. This equipment generates, uses and can radiateradio frequency energy and, if not installed and used in accordance with the instructions, maycause harmful interference to radio communications. However, there is no guarantee thatinterference will not occur in a particular installation. If this equipment does cause harmfulinterference to radio or television reception, which can be determined by turning the equipmentoff and on, the user is encouraged to try to correct the interference by one or more of thefollowing measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1)This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.