

Road Safety Guard

Instruction Manual

**Thank you for purchasing Portable DVR from our company.
In order to help you operate it correctly, please read this instruction
carefully before using.**

Use the tachograph

1. Starting up: Press the power button, the blue indicator light is lit up.
2. Power off: Press the power button again, and then the blue indicator light is off.

Notes: Tachograph may auto power off after indicating the low power

Battery charge

There are three methods to charge the batteries, the red charging indicator will lit up during the charging, which will last about 180 minutes. The red charging indicator will be automatic off after finish charging.

1. Use power socket for charging
2. Use USB for charging
3. Use auto power supply for charging

Insert the memory card

Push the Micro SD memory card into the card slot in the direction of the body till hearing the voices "ka".

Remove the card: push the Micro SD card forward, which can remove after popup.

LCD screen rotate

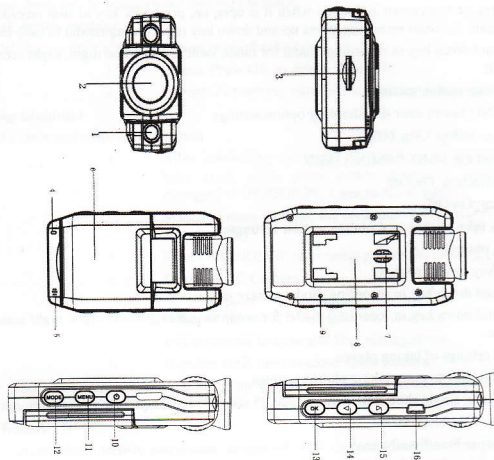
Rotates left 90 degrees and open the screen, which can rotate downward in 90 degrees, rotate forward in 180 degrees towards the lens.

Lens rotate

The lens can rotate in 180 degrees.

Product structure

- | | | |
|---------------------------------------------------|-----------------|-----------------------|
| 1. LED Fill light; | 2. Lens; | 3. Micro SD cassette; |
| 4. Power light(blue)/lithium battery light (red); | | |
| 5. Microphone | 6. LCD screen | 7. Speaker |
| 8. Vehicle supports | 9. Reset button | 10. Power button |
| 11. MENU key | 12. MODE key | 13. OK key; |
| 14. Down key; | 15. Up key | 16. USB interface |



The basic operation of tachograph

1. How to switch camera shooting/taking pictures/playback functions

Press MODE key to switch camera shooting/taking pictures/playback functions

2. How to enter the system setting options

Press MENU key and press it again, enters the System setting options, the background of "the system setting" are blue.

Date/time: Setting date/ time;

Auto power-off: Setting auto power-off;

Beep Sound: Open and close Beep sound;

Language: set the needed language menu

Frequency: set 50Hz/60Hz (power frequency)

TV mode: set NTSC/PAL;

Image rotation: set erect and handstand of video

Default: recover Factory settings

Version: Software Version number;

3. How to shoot and the setting of shooting options

A Shooting

The camera start to record automatic when it is open up, press OK key to stop recording which pressed again to restart recording, press up and down key in recording model to save electricity

Press up and down key in recording model for mode switch in day and night, night scene is open fill-in light.

B Shooting option settings

Press MENU key to enter the Shooting option settings

Resolution: 1080p/720p/480p;

Loop recording: 5 MIN/10MIN/15MIN

Motion Detection: On/Off;

Date Stamp: On/Off;

3. How to take photos and photos option settings;

A. Taking photos;

Press Ok key to take photos;

Press up and down key in recording model to save electricity;

Press up and down key in recording model for mode switch in day and night, night scene is open fill-in light.

B. Option settings of taking photos

Press MENU key to enter taking photos settings

Capture mode: single shot/ Self Timer (2 sec. /5 sec /10 sec.) /Sequence

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

Quality: Super Fine/Fine/Nomal

Sharpness: Strong /Nomal/ soft;

White Balance: Auto/Daylight/cloudy/tungsten /fluorescent;

Color: Normal/black and white/sepia

ISO: Auto/100/200/400

EV: -2.0 - +2.0;

Face Detection: Face Detection/Smile Detection;

Anti-Shaking: On/Off

Quick Review: Off/2 s./ 5 s.;

Date Stamp: Date/ (Date/ Time)

4. Files management

Press MODE key to manage files in playback mode

Playback of video and photos are available.

The showed file is the last playback.

5. Playback of video and photos

A video playback

Press up and down key to select the needed videos.

Press OK to play or pause the proceed videos, press down key to fast reverse.

Press MENU to stop the video

B. Photos Playback

Press up and down key to select videos needed playback

C Playback option settings;

Press MENU key to enter playback option in playback status:

1. Delete: Press OK to delete single/all;
2. Format: Formatting internal mass storage/SD Card

Connecting computer

Download videos and related information

1. After connecting computer by USB lines, the blue power light open while press power button, 3 options mass storage/PICBRIDGE/PC Camera are available.
 2. Selecting mass storage, the computer will identify Micro SD automatically.
 3. Select PICBRIDGE to connect printer for printing photos.
 4. Selecting PC Camera
- Notes: Computer operating system: Windows 2000/XP/Vista/Windows 7, MAC OS x 10.3.6 above
5. Use computer browse and files management.
 6. Remove USB lines to close video camera.

Remarks: You can press reset and starting up the product when a crash happened because disoperation, it will get right.

Product feature

Super miniature size, perfect composite design of 180 degrees rotation type 140degrees high-resolution lens and 270 degrees rotation screen convenient for multi-angle, high-resolution video shooting in

-Built-in 1/3.2 inch low noisiness high quality sensor, which can capture very high resolution pictures

- Double mode Day/Night switch function

-Automatic sensitization double ultra fill-in light function

-Built-in lithium charging recording function

-Built-in microphone /speaker

-Support high capacity Micro SD card

-Capture ideal pictures through screen preview by yourself -when you are in self-portraits

-Image stabilization

-Motion Detection recording function

-Loop recording, auto deletes the old files to record the new ones

-Auto recording function when start up

-Delay starts function to prevent the sudden pulse current which may damage machine.

-Save electricity mode

Technical specifications

LCD screen sizescreen size	2.0LTPS(4:3)
Camera lens	140 degrees A+ level degrees high resolution lens resolution lens
Language	English/German/Francais/Espanol/Italiano/Portugues/ Traditional Chinese / simplified Chinese/ Janpanese / Russian
Video	1080p/720p/480p
Video format	AVI
Resolution	12M/8M/5M/3M
Photos format	JPG
SD card slot	Micro SD
Microphone/speaker	Built-in
Capture mode	Single/ Selftime (2 s Timer /5 s Timer. /10 s Timer.)/ Sequence
Frequency	50Hz/60Hz
Television output	NTSC/PAL
USB interface	USB2.0
Power interface	5V 500MA
Battery	Built-in polymer lithium battery
System requirements	Windows 2000/XP/Vista/Windows 7, above MAC OS x 10.3.6

Notes: This product retained design and specifications change without notice.

Fittings list

1. Vehicle power; 2.HDMI lines; 3.Vehicle support; 4.USB lines; 5.Specification