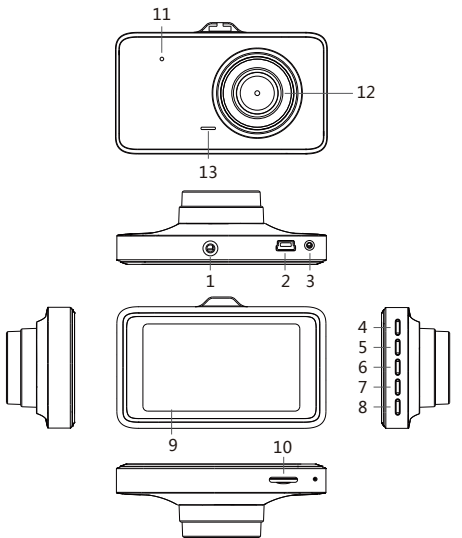


产品说明书

产品说明：

产品结构



1.背夹固定钩

4.模式选择按钮

7.向下选择按钮

10.TF卡槽

13.喇叭

2.USB数据接口

5.向上选择按钮

8.菜单键按钮

11.RESET

3.后拉摄像头接口

6.OK键/电源开关按钮

9.LCD屏

12.镜头

按键功能说明：

1) 背夹固定钩

安装固定录影仪

2) USB数据接口

USB数据接口，①用于连接PC传输数据；②用于连接外接电源给电池充电或提供工作电源。

3) 后拉摄像头接口

4) 模式选择按钮/MODE

短按此键在摄像/拍照/回放之间相互切换。

5) 向上选择按钮

菜单选项中，向下选择功能键。

6) OK键/录像和拍照确认按钮/电源开关键

摄像模式下，短按此键开始录像，再次短按停止录像；拍照模式下短按此键拍摄照片；菜单模式下为确认按钮；/ 短按开机；长按关机。

7) 向下选择按钮

菜单选项中，向下选择功能键。

8) 模式选择按钮/菜单按钮

短按此键在摄像/拍照/回放之间相互切换。

9) LCD屏

图像显示屏

10) TF卡槽

存储卡插槽

11) RESET

当机重启恢复孔

12) 镜头

取景窗口

13) 喇叭

播放视频或者有声文件的扩音孔，操作音提醒。

特别功能说明：

➡ 自动开/关机

支持连接车载电源后，汽车启动自动开机录像，熄火自动保存录像并关机；

➡ 不漏秒

➡ 移动侦测

支持待机状态静止的情况下，前方如果有目标物移动，会自动将其移动过程全部记录下来。（开启后机器会在没有移动物体的情况下停止录像，延长录像储存时间）

摄像/拍照基本操作说明：

➡ 开机与关机

按压  电源钮一次开机，蓝色指示灯会在开机时亮起；
再次按压  电源钮是关机，此时蓝色指示灯熄灭；



注意：录像仪在低电量时会提示电池电压低后自动关机。

➡ 摄像模式

短按MODE键，切换到摄像模式，屏幕左上角显示摄像图标；
短按OK键开始摄像，摄像图标会出现闪动红点，标明录像工作中；

➡ 拍照模式

短按MODE键，切换到拍照模式，屏幕左上角显示拍照图标；
短按OK键拍照，拍照时屏幕闪烁一次，表示拍照完成。

➡ 视频/照片回放

短按MODE键，切换到回放模式，屏幕左上角显示回放图标；
短按  键可以向上选择文件；
短按  键可以向下选择文件；
短按OK键播放选择的视频文件；

➤ 菜单设置

短按菜单键一下，进入视频设定状态，此时“视频图标”的栏位为黄色背景；再次短按菜单键，切换到设置状态，此时“设置图标”的栏位为黄色背景，短按MODE键，退出设定状态。

在调出的设置项中，通过短按   键，可以在设置子项中上下选择切换，短按OK键进入设置子项；

➤ 时间设置

短按菜单键进入设定状态，再次短按菜单键进入设置菜单，通过   键选择日期时间选项，短按OK键进入，短按菜单键，可以在年/月/日/时/分/秒之间相互切换，通过   调整需要数值，按OK确认修改。

USB模式

将USB线与电脑连接，按开机键后，行车记录仪将自动弹出USB菜单。有以下两种模式可供选择：

1) USB-Disk

在此模式下可进行视频文件或者照片文件的存取。

2) PC摄像头

连接USB数据线（自行购买）选择此模式将弹出USB视频设备，可进行实时拍照或者视频聊天。

电池充电说明：

有三种方法可以对电池充电，红色充电指示灯会在充电的过程中亮起，整个充电时间大约为180分钟，红色充电指示灯会在充完后自动熄灭。

- 1.使用电源适配器充电
- 2.使用PC-USB充电
- 3.使用车载电源充电



备注：当使用此产品因操作不当引起死机现象，可以用尖物体按按复位键后再开机，即可恢复正常。

产品规格：

产品名称	车载行车记录仪
产品特点	高清摄像头，高清录像
颜色	随机
显示屏	高清显示屏
镜头	170度A+级高解析超广角镜头
语言	俄、日、法、意、德、西、英、中文（简）、中文（繁）、韩等
文件格式	AVI
录像分辨率	最大1080P
录像视频格式	M-JPEG
循环录像	无缝循环录像，不漏秒
随车开关机	支持汽车打火开机，熄火关机
移动侦测功能	支持
年月日分	支持
照相模式	500万
照片格式	JPEG
存储卡	TF (最大支持 32GB)
后拉摄像头	支持
停车监控	支持
麦克风	支持
内置音响	支持
视频格式	PAL/NTSC
电流频率	50HZ/60HZ
USB功能	1：USB-Disk 2：PC camera
电源接口	5V 1A
电池	内置电池

疑难解答：

在正常操作情况下，如果产品出现问题，请参考一下方法解决：

➡ 不能拍照、摄像

检查TF卡是否有足够的空间、是否锁住

➡ 录像时，会自动停止

由于高清视频数据巨大，请使用与SDHC相容的高速TF卡，高速TF卡会有C4或者C6的标识。

➡ 重播图片和视频时，出现“档案错误”提示

TF卡存储资料时发生错误，造成档案不全，请使用摄像机“格式化”功能，重新格式化TF卡。

➡ 拍出的影像雾蒙蒙一片

请检查镜头是否有脏物、手指印，在进行拍摄前，使用镜头纸擦拭镜头。

➡ 拍摄天空、水面等场景时，影像非常黑

在大的反差场景中会影响到摄像机的自动曝光功能，可以通过调整机器设置菜单中的“EV”值进行修正。

➡ 在阴天、室内光源下，颜色表现不够完美

请检查机器“白平衡”功能是否设置为自动

➡ 图像中有横条纹干扰

这个是由于设置了错误的“光源频率”而产生的，请根据当地的供电频率，设置为“50Hz”或“60Hz”。

➡ 当机

当机后请短按复位键进行恢复重启

主菜单详细功能介绍：

➡ 解析度：

视频录像分辨率选择，数值越高录像清晰度就越清晰，进去菜单按上下键选择，按OK键确定选择。

➔ **拍照质量：**

拍照清晰度选择，数值越大拍照的图片越清晰，进去菜单按上下按键选择，按OK键确定选择。

➔ **循环录像：**

每段视频录像时间从1分钟到3分钟可选。

➔ **白平衡：**

用于不同环境下色调选择（建议自动选择，否则会造成颜色失真）。

➔ **曝光选择：**

用于调整光线进入的明暗，当曝光太高会造成太亮无法识别车牌，建议选择0。

➔ **移动侦测：**

打开移动后会增加录像卡的循环录像储存时间，当没有录像的情况下，录像机会侦测是否有移动物体，当发现移动物体时会自动启动录像。

➔ **录像声音：**

可以选择是否录制声音，当录像回放没有声音时查看此选项是否打钩。

➔ **停车监控：**

用于车辆关闭钥匙后，车辆发生震动（重力感应功能配合使用），自动开机录像，此功能。

需要电池有电的情况下，或者连接降压线直接接入车辆电瓶后此功能才能有效使用。

➔ **WDR：**

夜视功能开启关闭，当打开时摄像机检测到光线过暗时，会自动开启补光模式，画面会增加亮度，（注：此功能在室内开启时有明显亮暗变化时，屏幕亮度会忽亮忽暗，亮度增加时会影响白天的影响清晰度），建议白天关闭此功能。

➔ **时间水印：**

电脑回放录像画面有时间显示

➔ **重力感应：**

此功能选项有高、中、低功能。

1.当行车时车辆发生剧烈撞击时，影响会加锁，不会被自动循环录像所删除，（此功能如果开支灵敏度过高才会造成储存卡满，如发现储存卡总是提示储存卡已满请格式化储存卡后设置此选项为底，建议关闭。）

2.停车监控功能需要此功能打开，当机器有收到震动后机器会自动开机录像，录像18-20秒后自动关机。

➤ **按键声音：**

按键声音选择

➤ **时间日期：**

选择输入时间日期（当电池电量耗尽时会恢复出厂设置时间）需要重新设置。

➤ **自动关机：**

当录像机没有录像卡时或者没有录像时，会在所选时间自动关机。

➤ **语言选择：**

设置所需国家语言文字

➤ **光源频率：**

此功能默认值50Hz

➤ **补光灯：**

开启LED灯功能（此功能带有LED灯的产品）

➤ **屏幕保护：**

开启此功能后录像机会在设置时间内关闭屏幕背光，机器录像功能正常。

格式化：

➤ 储存卡格式化（建议在15天左右格式化一次）当被锁视频过多时储存卡满后用于一次性删除卡内录像内容。



注意：当有重要内容是注意使用此功能。

➤ **恢复出厂设置：**

当设置出现错乱时可以选择出厂设置，用于设置错乱时操作此选项。

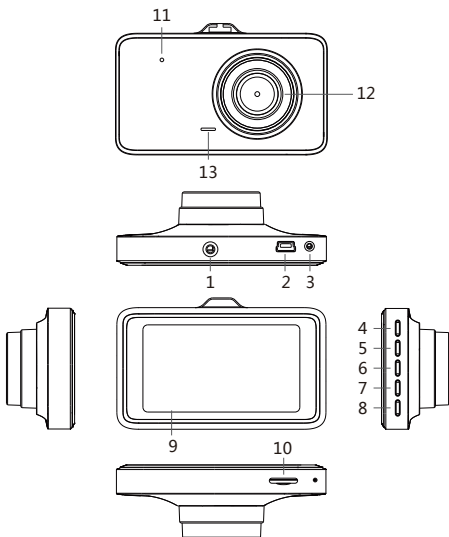
➤ **固件版本：**

工厂生产批次标号

Product Manual

Product Description:

Product Structure



- | | |
|-------------------------------|------------------------------|
| 1. Back clip fixation hook | 2. USB data interface |
| 3. Rear pull camera interface | 4. Mode selection key |
| 5. Upward selection button | 6. OK key / power supply key |
| 7. Down select button | 8. Menu button |
| 9. LCD screen | 10. TF card slot |
| 11. RESET | 12. Lens |
| 13. Horn | |

Function Buttons:

1. Back clip fixation hook

Fixed video recording instrument.

2. USB data interface

USB data interface, which is used to connect the PC transmission data; It is used to connect the external power supply to the battery charge or provide work power.

3. Rear pull camera interface

4. Mode selection key

Press this key to switch between camera / photo / playback.

5. Upward selection button

Menu options, down regulation function keys.

6. OK key / power supply key

Short press on / off;

Video and photo confirmation button, video mode, press this button to start the video, press the video button again to stop the video; press this button to shoot photos.

7. Down select button

Menu option, down select the function key.

8. Menu button

Press this key to call up the menu
Menu mode for confirmation.

9. LCD screen

Image display

10. TF card slot

Memory card slot

11. RESET

Restart recovery hole.

12. Lens

Viewing window.

13. Horn

Play video or sound amplification hole files,
operating sound warning.

Special Function Description:

➤ Automatic ON/OFF

The camera can automatically starts recording when connected to the vehicle power and stops recording with autosave after the car is stalled.

➤ Loop recording without leakage seconds

➤ Motion Detection

In standby mode, if there is any movement in front of the camera, it will automatically record the whole moving process. The camera will stop recording when there is no more movement.

Video/Photo Operation Instruction:

➤ Power-on and shutdown

Press the power button, the blue indicator will light up when the camera switches on. Press the power button again to turn off the camera and the blue indicator will be off.

 **Please NOTE:** In low power state, the video camera will be automatically shut down after it displays low battery voltage.

➔ **Video Mode**

Short press the MODE button, switch to the Video Mode , the camera icon is displayed on the screen upper left corner.

Short press the OK button to start recording video,the camera icon will flashing in red dot to show video recording.

➔ **Photo Mode**

Short press the MODE button,switch to the photo mode,the Photo icon is displayed on the screen upper left corner.

Press the OK button to take a picture,the screen will flash once when it finished.

➔ **Video/Photo Playback**

Short press the MODE button,switch to the playback mode,the playback icon is displayed on the screen upper left corner.

Short press  to select the file up;

Short press  to select the file down;

Short press OK button to play the selected video file.

➔ **Menu Setting**

Short press the MENU button to enter video setting, video icon is in the field of the yellow background;Press the menu button

again, switch to the setting, the setting icon is in the field of the yellow background, just short press mode button to exit the setting status.

In terms of setting up option, short press to   switch up and down in setting subitems, short press OK button to enter setting subitems.

➔ Time/Date Setting

Short press the MENU button to enter the setting status, press the menu button again to enter the setup menu. Press   to select the date and time option, short press the OK button and short press the menu key, you can adjust the year / month / day / hour / minute / second, press OK button to confirm the change.

USB MODE

Connect the USB cable to the computer, pressing the power button, the car camera recorder will automatically pop up the USB menu. There are two different modes to choose as below:

1: USB-Disk

In this mode, you can save and read video files or photo files.

2: PC Camera

Connect USB data cable (this kind of cable is another purchase). Selecting this mode will pop up USB video device, you can take photos in real time or have video chat.

Battery charging instructions:

There are three ways to charge the battery, the red indicator will light up in the charging process, the entire charging process time is about 180 minutes, the red indicator will be automatically off when fully charged.

1. Charging via the power adapter
2. Charging via PC-USB
3. Charging via car power supply



Please NOTE: When improper using this product and make the camera crash, you can use a pin to press the Reset button and then reboot the dash cam.

Product Specifications:

Product name	Car Camera Recorder
Product Features	HD Camera, HD Video Recording
Colour	Black
Display Screen	HD Display
Lens	170 degree A+ Level high resolution ultra wide angle lens
Language	Russian,Japanese,French, Italian,German,Spanish, English,Chinese(Simplified), Chinese(Traditional),Korean and so on
File Format	AVI
Video Resolution	Maximum 1080P
Video Format	M-JPEG
Loop Recording	Seamless loop recording, no leakage seconds
AUTO ON/OFF	Support
Motion Detection Function	Support
Time/Date	Support
Camera Mode	5 million
Photo Format	JPEG
Storage Card	TF (maximum support 32GB)

Parking Monitoring	Support
Microphone	Support
Built-in Sound	Support
Video Format	PAL / NTSC
Current Frequency	50Hz / 60Hz
USB function	1: USB-Disk 2: PC camera
Power Interface	5V 1A
Battery	Built-in battery

Troubleshooting Tips and Techniques :

If there is any problem on the product in normal use, please refer to these troubleshooting step to resolve the problem as below:

- ➔ **Can not take pictures or record video:**
Check the TF card storage or if its locked.
- ➔ **The dash cam will automatically stop when recording:**
Because the high-definition video file is huge, please use high-speed TF card that compatible with SDHC. High-speed TF card has C4 or C6 logo.

➔ **A "file error" notice appears when playback your pictures and videos:**

An error occurred while storing data of TF card and caused that the file incomplete. Please use the "Format" function to reformat the TF card.

➔ **Video quality is not clear:**

Please check the lens has any dirt or finger print and use lens paper to wipe the lens before shooting.

➔ **When shooting the sky, water and other scenes, the image is very dark:**

In the contrast scenario, the automatic exposure feature of the camera can be affected which can be modified by adjusting the values of "EV" in the setting menu.

➔ **On cloudy days and indoor lighting, the color is not perfect:**

Please check the white balance if auto.

There's horizontal stripe interference in pictures:

This is caused by wrong light source frequency, please set the frequency 50 Hz

or 60 Hz according to the local power supply.

➔ **Crash:**

You can use a pin to press the Reset button and then reboot the dash cam.

Main menu function introduction:

➔ **Resolution:**

Different Video recording resolution selection. The higher resolution value, the more clear and sharper video quality. Enter the menu to select up and down button, press OK to confirm.

➔ **Picture Quality:**

Different photo clarity selection. The higher resolution value, the more clear and sharper picture quality. Enter the menu to select up and down button, press OK to confirm.

➔ **Loop Recording:**

You can set it to record from one to three minutes.

➔ **White Balance:**

It is used for light adjustment in different

environment(it is recommended to choose auto,or it may result in color distortion)

➔ **Exposure Selection:**

It is used to adjust the brightness of the light in the dark environment.However,when the exposure is too high, it will be too bright to recognize the license plate.(Option 0 is recommended)

➔ **Motion Detection :**

When you open the motion detection, camera can record if there is any movement in front of it and stops when there is not more movement on front of it. However,when you open the motion detection feature,it will take up more storage of your SD card and extend the recording storage time.

➔ **Camera Audio:**

You can select whether or not to record the sound.When the video playback is not audible please check the sound recording option if selected.

➔ **Parking Monitor:**

Its used for automatic power on and recording when the car is stalled and vibrates.The

parking monitor can be used when the battery has enough power or connect the katallobar to the car battery.

➔ **WDR:**

Using WDR for night vision. The WDR (Wide Dynamic Range) automatically adjust exposure and enhance the brightness of the image in the low light or in dark environment.



Please NOTE: this function will affect the sharpness of the video quality in the day time when the brightness increases. In the daytime, if you open WDR indoor, the screen keeps flickering. (We recommend you to close this function in the daytime)

➔ **Time Stamp:**

When you use the computer to playback the video, the time and date will show on the screen.

➔ **G-Sensor:**

The G-shock sensitivity can be set to low medium or high.

1. When the car has intense collision in driving, the recorded files will be locked and

not be deleted by loop recording.(If the G-sensor sensitivity set too high,the storage card will more easily be filled.If the SD card always notices no more storage space,we would recommend to close this function)

2. The parking monitor function needs to combine with the G-sensor.The camera will turn on automatically and start recording when it feels bump or crash . It will be off after 18-20 seconds recording.

➔ **Key Sound:**

Sound selection ON/OFF

➔ **Time and Date:**

Setting time and date.Once the battery runs out, the time and date will recover the factory setting time so you need to reset the time and date again.

➔ **AUTO ON/OFF:**

The camera automatically turn off in the selected time when there's no SD card or recording.

➔ **Language Selection:**

Setting the required language

➔ **Light Source Frequency:**

The default values is 50Hz

➔ **Fill Light:**

Turn on the LED function(this product comes with LED light function)

➔ **Screen Saver:**

Open this function, the dash cam will turn off the screen backlight within the selected time. And the video recording function is normal.

➔ **Format:**

Format the memory card (Suggest format the card once about 15 days). When the locked video is too large, you can delete all the videos once. Note: If there are important videos, please use it carefully.

Restore Factory Settings:

When the setting is error, you can select the factory settings to recover your system

➔ **Firmware version:**

Factory products batch label.

