产品说明书
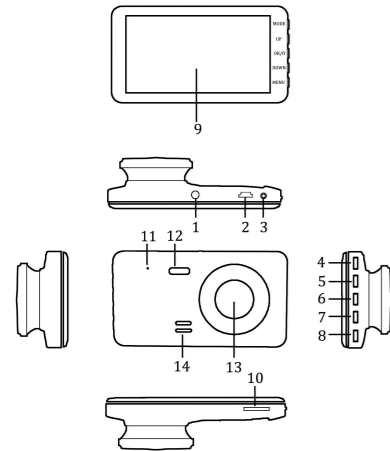
1.固定支架孔　　2.USB 数据接口　　3. AVIN 后拉摄像头接口

4. 模式键　5. 上键　　　　　6. 电源开关键/屏保键

7. 下键　　8. 菜单键　　　　9.LCD 屏

10.TF 卡槽　11.RESET　　　　12. 补光灯

13.镜头　　14.喇叭

1

1）固定支架孔
　　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）AV-IN 后拉摄像头接口
4）模式键
　　切换拍照模式，回放视频/照片
5）上键
　　上翻菜单，录音关闭功能
6）电源开关键/屏保键
　　短按屏保，长按开/关机
7）下键
　　下翻菜单
8）菜单键
　　按压此按键选择功能设置
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）补光灯
　　在昏暗的地方开启补光灯有助于让景物更明亮
13）镜头
　　取景窗口
14）喇叭
　　播放视频或者声文件的扩音孔，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；
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）

2

摄像/拍照基本操作说明：
开机与关机
　　长按电源钮一次开机，再次长按电源钮是关机，短按是屏保。
　　注意：录像仪在低电量时会提示电池电压低后自动关机。
录影
　　在主界面上点击"录影"，快速进入录像状态，右上角显示"Rec"，标明录像工作中。再次点击"录影"，退出录像，录像文件自动保存。
拍照模式
　　在主界面上点击"拍照模式"，再点击屏幕右侧白圆圈，然后咔嚓一声，表示拍照完成。
文件管理
　　在主界面上点击"文件管理"，点击摄像机图标可查看已录制好的视频，点击照像机图标可查看已拍摄好的相片。可对视频文件与相片文件进行操作（加锁、删除等）。
系统设置
　　在主界面上点击"系统设置"，可按自己需求设置。
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
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
录像分辨率	1296P/1080P/720P
录像视频格式	AVI、MOV
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

3

移动侦测功能	支持
年月日分	支持
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(选配)
麦克风	支持
内置喇叭	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-2A
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**
　　由于高清视频数据过于庞大，请使用与SDHC兼容的高速TF卡。
● **回放图片和视频时，出现"档案错误"提示**
　　TF卡存储数据时发生错误，造成档案不全，请使用摄像机"格式化"功能，重新格式化TF卡。
● **拍出的影像要蒙蒙一片**
　　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

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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**
　　请检查仪器"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"或者"60Hz"。
● **当机**
　　当机后请短按复位键进行恢复重启。
设置菜单详细功能介绍：
解析度：
　　视频录像分辨率越高，数值越高录像清晰度就越清晰。
拍照质量：
　　拍照清晰度选择，数值越大拍照的图片越清晰。
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：
　　夜视功能开启时，当打开对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，屏幕亮度会急剧变忽明，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。

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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会才造成储存卡满，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成，建议关闭。)
　　2.停车监控功能需要此功能打开，当机器存有收到震动后机器会自动开机录像，录像 18-20 秒后自动开机。
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。
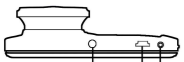注意：当有重要视频注意使用此功能。
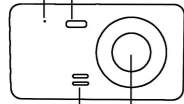**恢复出厂设置：**
　　当设置出现错乱时可以选择出厂设置，用于设置错乱时操作此选项
固件版本：
　　工厂生产批次标号。
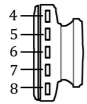
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7

Product Manual

Product Structure

1. Fixed stent hole   2. Power interface   3. AV-IN   interface   4.Mode key

2. 5. Up Key   6. Power   key / screen protection key

7. Down key   8. menu key   9.LCD   10.TF card slot   11.RESET

12. Fill light   13.camera lens   14.loudspeaker

Function Buttons:

1）Fixed stent hole
Install the fixed spectrograph

2）Power interface/USB data interface
USB data interface，① is used to connect PC transmission data;
② is used to connect external power supply to charge the battery or provide working power supply

3）AV-IN interface,
Rear pull camera interface

4）Mode key
Switch between the photo mode and replay the video / photo

5）Up key
Setting：Turn up the menu, recording off the function

6）Power   key / screen warranty key
Short press screensaver, long press on / off

7）Down key
Turn down the menu

8）Menu key
Press this button to select the function settings

9）LCD display screen
Image display

10）TF card slot
Memory card slot

11）RESET
Time-machine restart recovery hole

12）Fill light
Turning on the fill light in a dark place helps to make the scene brighter

13）camera lens
view window

14）Loudspeaker
Play the loudspeaker hole of the video or audio file, and operate the sound reminder

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
Please Long press the power button to switch on the camera,press it again to turn off the camera.
Please NOTE: In low power state, the video camera will be automatically shut down after it displays low battery voltage.

Video
Click "Video" in the main interface to quickly enter the video recording status. The "Rec" is displayed in the upper right corner, indicating the recording work. Click "Video" again to exit the video, the video will be automatically saved.

Video Recording
Click "Record" on the main interface,and then click the red circle on the right side of the screen, and the flashing time will appear in the upper left corner, indicating the video work.

Camera Mode
Click "Camera Mode" on the main interface, then click the white circle on the right side of the screen, and then click, it indicates the picture is completed.

File Management
Click "Files" on the main interface, click on the camera icon to review the video, click the camera icon to review the photo has been taken. Video files and photo files can be operated (lock, delete, etc.).

System Setting
Click "Settings" on the main interface, and you can set it according to your own requirements.
USB MODE (Not included connect cable) ：
Connect the USB cable to the computer,the car camera recorder will automatically pop up the USB menu. There are three different modes to choose as below:
1. Memory Mode
In this mode ,you can access video files and photo files.
2. Camera Mode
Selecting this mode to pop up a USB video equipment for real-time photo or video chatting.
3. Camera Recording Mode（ USB cable as a power supply in this

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mode)
In this mode,you can record the video,switch photo mode to take pictures.

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	Customized
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
Video Resolution	Maximum 1080P
Video Format	AVI,MOV
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 1.5-2A
Battery	Built-in battery
Parking Monitoring	Support

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.
Picture Quality:
Different photo clarity selection.The higher resolution value,the more clear and sharper picture quality.
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.

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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.