



USER MANUAL

Exclusive 3 channels camera



Please download WIFI products (No download required for non WIFI)
Long press the up key to open the machine hotspot

一、Product Specification

DDR	Built-in 64M
FLASH	8M SPI norflash
Display Screen	2.0 inch IPS HD screen
LCD resolution	800X480 pixels
External port	MINI USB 5V/2A power adapter port
	Max support 32G Class10 TF card
Speaker	Monophonic 15*10mm speaker
MIC	4015 Standard Omnidirectional Microphone

Features:

Front camera	5-glass/F2.0aperture/170°wide angle
Inside camera (optional)	720 120°
GPS tracker	NO
AV OUT	NO
Photo	Support
Lens rotates	Adjust manually
WDR	Support
HDR	Support
Video format	AVI
Image format	JPG
Compression format	H.264
Battery	0mAh polymer lithium battery
Language	support multi-language
G-sensor	Support

Motion Detection	Support
Delay shutdown	Support
Loop recording	Support, Do not leak seconds
Sound record	Support
Fill light for night vision	Support(Open manually)
Parking monitoring	Support
Front camera	Max 1680x960 (30F/s)
In-car camera resolution	HD640x480 (25F/s)
Camera resolution	Max support 3M
Working Environment	
Operating temperature	-40°C~70°C
Operating humidity	15-65%RH
Storage temperature	-40°C~70°C

二、Key Features (picture for reference only, mainly in kind)



- 1) Menu / Camera / Playback
- 2) Power button
- 3) Down
- 4) Confirm button
- 5) Up
- 6) Front camera
- 7) Microphone
- 8) Reset button
- 9) Holder interface
- 10) Power interface
- 11) TF Card slot
- 12) Display screen
- 13) Inside camera(optional)
- 14) Turn night vision on / off

[O] Power button, short press to turn on/off screen, long press to switch on/off the device.
[M] Menu / camera / playback button
 Press **[OK]** key to stop recording, press **[M]** to enter photo mode, press **[OK]** to take photo; in the camera mode, press **[M]** to enter playback mode, press **[OK]** key to playback. Lock function: In case of video recording, short press **[M]** for a key lock function to protect the current video file, and this file will not be covered by the cycle video
 In video mode, long press **[M]** to enter video menu settings as follows:

Recorder Menu			
1	Resolution	1080P FHD/720P/VGA	
2	Loop recording	Off/1minutes/2minutes/3minutes	
3	High dynamic range HDR	on/off	Improved image quality, Better visual effect
4	Exposure compensation	-3, -2, -1, 0, 1, 2, 3	
5	Motion detection	on/off	In standby mode, it will automatically record while a objective moves
6	Sound record	on/off	Turn on/off sound record
7	Time stamp	on/off	
8	Car number	on/off	
9	G-sensor	High/Medium/Low Sensitivity	When car occur collision/accident, it will lock current video and can't be covered
10	Parking monitor	on/off	unattended surveillance
11	Date/time	Adjustment Years months date/hours Minutes seconds	
12	Automatic shut-down	Off/3minutes/5minutes/10 minutes	
13	keypad tone	on/off	
14	OSD language	Support multilingual	Choose a language

15	Light source frequency	50HZ/60HZ	Choose the Light source frequency
16	format	Confirm/ cancel	format TF card
17	Screen saver	Off/30seconds/1minute/ 2minutes	
18	Default setting	Confirm/ cancel	
19	version	Machine software version number	

In photo mode, long press [M] to enter photo menu settings as follows:

1	Shooting method	Single shooting/2 seconds timer/ 5 seconds timer/ 10 seconds timer
2	Resolution	1M/2M/3M
3	Continuous shooting	on/off
4	Picture quality	High quality/standard/economy
5	Acutance	Strong/standard/soft
6	White balance	Automatic/sunlight/cloudy/tungsten lamp/fluorescent lamp
7	ISO	Automatic/100/200/400
8	Exposure compensation	-3, -2, -1, 0, 1, 2, 3
9	Time stamp	Off/ Date

[>] Down key, short press **[>]** to select function at the Menu interface, short press button to turn on/off sound record at the shooting interface
[<] Left key, short press **[<]** to select function at the Menu interface; 2. In case of video recording, short press OK button to pause, then short press **[<]** button to switch front-inside view image (require inside view lens).

[OK] Confirm button, short press to confirm in the menu interface, short press to video record on/off in the video mode.
 Reset key **[RESET]**
 If the recorder crashes and accidental operation is not a normal fault, press **[RESET]** to shutdown the device, then press **[OK]** to reboot the device.

Installation Notes

1. Please test the rear view camera firstly, if it works well then install (package without rear view lens can be ignored).
2. Turn off the car engine.
3. The TF card insert the recorder slot.
4. **[Note]** Please use the high-speed TF card (Class10 above), capacity of not less than 4GB, TF card maximum support 32GB.
5. Insert the car charger into the car cigarette lighter.
6. **[Note]** When wiring, extend the charging line along the edge of the car door frame and carpet under the car laying.
7. Start the engine and check that the machine is operating properly.

Features
 1. Use the automatic recording function
 Start the car engine, the recorder automatically starts to open the recording function. Close the car engine. The recorder automatically saves the contents of the log and shuts down, recorded video segments are stored on the TF card. When the TF card is full, the recorder will overwrite the oldest recorded image preferentially.
[Note] Time segment of record can be set 1/2/3 minutes in the menu.
 a. The video individually saved in the folder named "DCIMA" and "DCIMD" in TF card (package include rear view lens).
 b. The video individually saved in the folder named "DCIMA" and "DCIMD" in TF card (package include rear view lens).

3. Use motion detection
 In standby mode, enter the menu screen open the motion detection mode. When the lens is sensitive to the peripheral area of a moving object, the state machine into the camera, recording 30 seconds after the system stops recording. To exit the motion detection mode, in standby mode to enter the menu screen close motion detection mode.
[Note] Gravity sensor (G-Sensor), if serious vehicle collision, the recorder will lock the first 5 seconds and 10 seconds after the image date when the accident occurred while the bottom left of the display screen displays a lock icon; locked images will be saved as a special file, the file will not be overwritten cycle.
 (note) Gravity sensor (G-Sensor)sensitivity adjustment support may actually need to change setting in the setup menu according to their image.

4. G-sensor
 The built-in gravity sensor (G-sensor), if serious vehicle collision, the recorder will lock the first 5 seconds and 10 seconds after the image date when the accident occurred while the bottom left of the display screen displays a lock icon; locked images will be saved as a special file, the file will not be overwritten cycle.
 (note) Gravity sensor (G-Sensor)sensitivity adjustment support may actually need to change setting in the setup menu according to their image.

5. The device has a key lock feature that will need to retain an image without being locked loop overwritten. In the video mode, short press **[M]** key logger will then lock the entire video image.
 6. In shooting mode, Press the **[M]** key to enter the menu setting, find the date/time menu, short press the **[OK]** button to confirm and return to the setup menu settings, press the **[M]** key to exit the menu setting.
[note] In order to effectively record the date and time traffic safety accident forensics, before using the menu setting.

7. File playback
 In the playback mode, press the (OK) key to play back. To exit playback mode, press MODE button again.

8. Parking monitor (To achieve unattended surveillance video)
 To achieve this function must be connected to the machine in the case of electricity, in the main menu to open the motion detection and parking monitoring function, in the standby state of the vehicle under vibration or moving objects in front, the recorder according to G-sensor to sense automatically start the machine and automatically locks the video for 30 seconds, and automatically save the video file, the video 30 seconds after 5 seconds without the operation will automatically shut down.
[note] This function is only used when stopping. Please turn off the motion detection and stop monitoring function during normal driving.

FAQ	
Machine appears "file error" message	Settings menu -> Restore factory settings and format the memory card, the general problem is TF card
The screen appears horizontal stripes interference	Please select the correct power supply frequency 50HZ/PAL)
How to properly turn on the 24-hour parking monitoring function	While in normal driving, please do not open it is easily lead to automatic shutdown or crash, after parking is required to open, configure the buck line or mobile power please
Night shooting screen is not clear enough	Recorder shooting depends on the outside strong light source (such as streetlights or car light)
The machine always reverts to the default date and time	Shutdown in the first case full of electricity, you can use car charger or mobile power supply to add power
what is the reason for video file leak seconds	(Turn off motion detection/ Turn on the loop recording function) With a certain choice of their own genuine card C10 high-speed card
Why during recording, the machine automatically shut down suddenly	Please turn off the parking monitoring function first/Ambient temperature exceeds 70 °C will cause automatic shutdown
[Note] Practice proof	Most of the problems sources From the memory card, a small part cause of power cord

The information provided in this manual is for reference only. Please prevail in kind (some special features depend on different models). All rights reserved.



记录仪产品说明书

独家三路摄像头



WIFI 产品请下载 (非 WIFI 无需下载)
长按上键打开机器热点

一、产品规格说明

DDR	内置64M
FLASH	8M SPI norflash
显示屏	2.0英寸IPS高清屏
显示屏分辨率	800X480 像素
外接端口	MINI USB 5V/2A电源接口
	最大支持32G Class10 TF卡
扬声器	8欧1瓦单声道15*10mm扬声器
MIC	4015标准全指向麦克风

功能特性:

前置镜头	6玻/F2.0光圈/170°广角
车内摄像头(可选)	720 120°
GPS轨迹	不支持
AV OUT	不支持
拍照	支持
镜头旋转	支持手动调整
动态范围调节	支持
HDR	支持
视频格式	AVI
图片格式	JPG
存储压缩方式	H.264
电池类型	150mAh聚合物锂电池
语言支持	支持多国语言
重力感应	支持

移动侦测	支持
延时关机	支持
循环录像	支持 不覆盖
录音功能	支持
夜视补光灯	支持(手动开启)
停车监控	支持
前置摄像头画质	最大支持1680x960 (30F/s)
车内摄像头画质	HD1280x720 (25F/s)
拍照分辨率	最高支持3M
工作环境:	
操作温度	-40°C~70°C
操作湿度	15-65%RH
存储温度	-40°C~70°C

二、按键功能介绍(图片仅供参考,以实物为准)



- 1) 菜单/拍照/回放键
- 2) 电源键
- 3) 下翻键
- 4) 确认键
- 5) 上翻键
- 6) 车前摄像头
- 7) 麦克风
- 8) 复位键
- 9) 支架卡口
- 10) 电源接口
- 11) TF卡槽
- 12) 显示屏
- 13) 车内摄像头 (可选)
- 14) 打开/关闭夜视功能

[O] 为开关机电源键,短按静屏,长按为开关机。
[M] 为菜单/拍照/回放按键
 录像时短按 **[OK]** 键停止录像,短按 **[M]** 进入拍照模式,按 **[OK]** 键进行拍照;拍照模式下短按 **[M]** 进入回放模式,按 **[OK]** 键播放。锁定功能:在录像状态下,短按 **[M]** 为一键加锁功能,保护当前录像的文件,且这个文件不会被循环覆盖。

录像时长按 **[M]** 进入菜单设置,具体项目如下:
记录仪录像菜单

记录仪录像菜单			
1	分辨率	1080P FHD/720P/VGA	
2	循环摄影	关/1分钟/2分钟/3分钟	
3	高动态范围HDR	开关	更好的反映人真实环境中的视觉效果
4	曝光补偿	-3, -2, -1, 0, 1, 2, 3	
5	运动检测	开关	待机状态下有物体移动会自动开机录制
6	录音影像	开/关	打开或关闭同步录音
7	日期标签	开关	
8	车牌号码	开关	
9	重力感应	关/高中/低灵敏度	剧烈晃动或碰撞后,视频自动保存并不被覆盖
10	停车监控	关/开	无人值守监控录像
11	日期/时间	调整年/月/日/时/分/秒	
12	自动关机	关/3分钟/5分钟/10分钟	
13	按键声音	关/开	
14	语言设置	简体中文等多国语言	选择语言

15	光源频率	50HZ/60HZ	光源频率选择
16	格式化	确认/取消	格式化TF卡
17	定时关闭	关/30秒/1分钟/2分钟	
18	默认设置	确认/取消	
19	版本	机器软件版本号	

拍照模式下长按 [M] 进入拍照菜单设置,具体项目如下:

1	拍摄方式	单拍/2秒定时/5秒定时/10秒定时
2	分辨率	1M/2M/3M
3	连拍	开/关
4	图像质量	优质/标准/经济
5	锐度	强烈/标准/柔和
6	白平衡	自动/日光/阴天/钨丝灯/荧光灯
7	ISO	自动/100/200/400
8	曝光补偿	-3, -2, -1, 0, 1, 2, 3
9	日期标签	关/日期时间

[>] 为下翻键,菜单界面下短按为下翻选择,录像界面短按,录像开/关/关闭。
[<] 为上翻键
 机器进入录像状态,录像30秒后系统停止录像。如需退出移动侦测模式,菜单界面关闭运动检测功能。
[OK] 暂停再短按 **[<]** 为车前车内摄像头画面切换功能 (不会车前摄像头无此功能)

[OK] 为确认键,菜单界面短按为确认,录像界面短按为录像开始/停止切换功能。
 复位键 **[RESET]**
 如记录仪发生死机及意外操作不正常故障,短按 **[RESET]** 可进入POWER OFF状态,再短按 **[OK]** 重启机器。

安装说明

1. 请先测试好后视摄像头正常后再进行安装 (若有后视摄像头,没有的可忽略)。
2. 关闭汽车发动机。
3. 将TF卡插入记录仪卡槽中。
4. **[注意]** 请使用高速TF卡 (Class10以上),容量不小于4GB,TF卡最大支持32GB。
5. 将记录仪通过支架固定于汽车前挡风玻璃上。
6. 将车载充电器插入汽车点烟器中。
[注意] 布线时可充电线长线沿汽车门边缘和车内地毯下铺设。

2. 调整镜头位置,确保最佳拍摄视角。
3. 发动引擎,检查机器是否正常运行。

功能介绍

1. 使用自动记录功能
 启动汽车发动机,记录仪自动启动并开启记录功能。关闭汽车发动机,记录仪自动保存记录内容并关机,记录的影像分段保存于TF卡上,当TF卡满后,记录仪将优先覆盖最早录制的影像。
[注意]
 a. 记录的时间段可自行在菜单中设置,范围为关闭和1/2/3分钟4档。
 b. 记录仪录像分段保存于TF卡内DCIMA与DCIMB文件夹中 (若有车内摄像头或者后视摄像头)。
2. 使用拍照功能
 在开机状态下,短按 **[OK]** 键停止录像,短按 **[M]** 进入拍照模式,短按OK键即可拍照,如需切换回录像模式,短按几次 **[M]** 键即可。
3. 使用移动侦测功能 (运动检测)
 机器进入录像状态,录像30秒后系统停止录像。如需退出移动侦测模式,菜单界面关闭运动检测功能。
4. 重力感应功能
 本机内置重力感应器(G-sensor),如果发生严重车辆碰撞,记录仪会锁定事故发生时的前5秒和后10秒的影像资料,同时显示屏上方显示锁的图标;被锁定的影像会另存为一个特殊文件,这个文件不会被循环覆盖。
[提示] 重力感应器 (G-sensor) 支持灵敏度调节,可根据实际需要再设置菜单中自行更改设置。

5. 一键锁定功能
 本机具备一键锁定功能,可将需要保留的影像锁定而不会被循环覆盖。在录像模式中,短按 **[M]** 键记录仪会将当前整段的视频影像锁定。

6. 日期及时间设定
 录像时长按 **[M]** 键进入菜单设置,找到日期/时间菜单,短按OK键进入,设置正确后再按 **[OK]** 键保存,最后短按 **[M]** 键退出菜单设置。
[注意] 为了有效记录和取证,在使用本机前请即设置正确的日期和时间。

7. 文件回放
 回放模式下短按 **[OK]** 键回放。如需退出回放模式,再次短按 **[M]** 键。

8. 停车监控模式 (实现无人值守监控录像)
 实现这个功能必须在车机连接电源的情况下,在主菜单中打开运动检测和停车监控功能,在待机状态下车辆受到震动或者前方有物体移动时,记录仪可根据重力感应模块G-SENSOR来感应,自动启动机器并自动锁定录像30秒,且自动保存录像文

常见问题	
机器出现“档案错误”的提示	设置菜单->恢复出厂设置并格式化内存卡,一般是TF卡的问题
画面出现横条纹干扰	请选择正确的供电频率50HZ(PAL)
如何正确开启24小时停车监控功能	正常行驶时,请不要开启,容易造成自动关机或死机/停车后才需要开启,请配置降压线或移动电源
夜间拍摄的画面不够清晰	记录仪拍摄依赖于外界较强的光源(比如路灯/车灯),行驶亦须如此
机器总是恢复默认日期和时间	关机的情况下先充满电,可以用车充或者移动电源补充电量
录像文件出现黑秒,是什么原因	(请关闭移动侦测功能/打开循环录像功能)自行配卡的一定选用正品C10高速卡。
为何录制过程中,机器一下子自动关机	请先关闭停车监控功能/使用环境的温度超过70°C也会造成自动关机
[注意] 实践证明	大部分问题跟存储卡有关,小部分跟电源线路有关

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