记录仪产品说明书

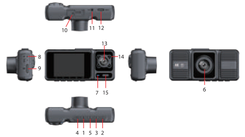
独家三路摄像头

打开WIFI 长按上键
SSID:CDR开头
WPAZ:12345678

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
外置端口	Type-c USB 5V/2A电源接口 最大支持64G Class10 TF卡
扬声器	2.5mm三节数字后录摄像头接口
MIC	8欧1瓦单声道15*10mm扬声器
功能特性：	4015标准全指向麦克风
GPS轨迹	不支持
AV OUT	不支持
后视摄像头	不支持
拍照	6米线长/2.5mm接口
镜头旋转	支持
动态范围调节	不支持
HDR	支持
倒车全屏	支持
视频格式	TS
图片格式	JPG
存储压缩方式	H.264
电池类型	150mAh聚合物电池
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,不漏秒
录音功能	支持
夜视补光灯	支持(手动开启)
停车监控	支持
拍照分辨率	最高支持3M
工作环境：	
操作温度	-40℃~70℃
操作湿度	15-65%RH
存储温度	-40℃~70℃

二、按键功能介绍(图片仅供参考，以实物为主)



1）菜单　　2）电源键
3）下翻键　　4）OK确认键
5）上翻键　　6）车前摄像头
7）指示灯　　8）复位键
9）TF卡槽　　10）支架卡口
11）后视摄像头接口　　12）电源接口
13）车内摄像头　　14）红内灯
15）夜视灯按键

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

1	分辨率	4K 2K 1080P 720P	
2	循环录影	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	录影音频	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/低/中/高灵敏度	剧烈晃动或碰撞后，视频自动保存并不能被覆盖
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	定时关屏　关/3分钟/5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/白炽灯/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

【M】为菜单键
短按【M】键进入菜单，选到设置功能选项 短按OK键再短按夜色灯键【C】进入另外一个菜单选项
【↑】为下方键, 菜单界面时短按下翻选择，录像界面时，短按切换镜头界面。
【↓】为上方键, 菜单界面时短按上翻选择。
功能一、 长按【↓】上键进入WiFi界面
【OK】为确认键,菜单界面短按为确认,录像界面短按为录像开启/停止切换功能
【C】为夜视灯键
功能一、 长按灯开/关闭夜视灯
功能二、 录像界面短按切换
功能三、 菜单界面选到设置再次短按进入另外一个菜单选项

后视摄像头介绍（若有此配置）
在录像状态下，后视摄像头4节镜头输入AVIN5，屏幕会有一小块区域显示为后视画面，表示已识别后视摄像头，短按【OK】暂停录像后，长按【◀】可以在车前摄像头、后视摄像头两种显示画面之间切换。当使用倒档时，自动全屏显示后视摄像头画面。

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。
　【注意】请使用高速TF卡（Class10以上），容量不小于4GB，TF卡最大支持512GB。
4.将记录仪通过支架固定于汽车前挡风玻璃上。
5.将车载充电器插入汽车点烟器中。
　【注意】有线时可将车载转长线后汽车门校录相车内拾取下接设。
6.将后置摄像头安装在车辆后部，安装时注意上下方向。布线可沿车辆顶棚边缘埋线铺设。
1.【注意】后置摄像头有两种安装方法：
　A、吸附于汽车后玻璃上方，可自行动手安装（无法实现倒车可视功能，只能实时录制车后方视频）；
　B、找专业安装人员安装于车牌架上方，同时摄像头需要连接倒车灯电源（可实现倒车可视功能）。
2.调整镜头位置，确保最佳的摄视角。
3.发动引擎，检查机器是否正常运作。

功能介绍

1.使用自动记录功能
启动汽车发动机，记录仪自动启动开开启记录功能。
关闭汽车发动机，记录仪在动车停记录内置开关机，记录的影像分段保存于TF卡上，当TF卡存满后，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.记录仪录像分别保存于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。如需切换拍录像模式，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，菜单界面关闭移动检测功能。
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前的前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，可根据实际需要在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库全新循环覆盖。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，在使用本机前请立即设置正确的日期和时间。
7.文件回放
回放模式下按【OK】键回放，如需退出回放模式，再次短按【M】键。
8.倒车可视功能（后视摄像头为可选配件）
首先，必须车充连接好记录仪，按视摄像头上黑红线连接倒车灯。插车充机器会自动启动录像状态，在录像模式下切换8处屏幕自动切换到后视镜头，显示倒车影像。或果倒车可视后机器自动返回录像模式。
提醒：请先测试好后视摄像头正常后再进行安装。
9.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本机连接常电时情况下，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，自动启动机器开自动锁定录像30秒，且自动保存录像文

常见问题

机子出现“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
画面出现横条状干扰	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，通配置背压线或移动电源

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），行业介质如此
机器总是恢复到默认日期和时间	关机的情况下先充电满电，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）自行配卡把一定电池正品卡TF电池卡。
为何录制过程中，机子一下子自动关机	请先关闭停车监控功能/使用环境的温度超过70℃也会造成自动关机

【注意】实践证明　　大部分问题源存储卡有关，小部分跟电源线有关

本行车记录仪说明书所提供信息仅供参考，用户在使用过程中请以实物样机为准，若因使用本产品而导致�losses或交通意外，本公司不承担任何责任。

USER MANUAL

Exclusive 3 channels camera

Open WIFI and long press
the up button
SSID: Starting with CDR
WPAZ: 12345678

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	Type-c USB 5V/2A power adapter port Max support 64G Class10 TF card
Speaker	2.5mm digital 720P rear view lens port
MIC	Monophonic 15*10mm speaker
Features:	4015 Standard Omnidirectional Microphone
GPS tracker	NO
AV OUT	NO
Rear camera	6M cable/2.5mm port
Photo	Support
Lens rotates	Not supported
WDR	Support
HDR	Support
Reversing vision	Support
Video format	TS
Image format	JPG
Compression format	H.264
Battery	150mAh polymer battery
Language	support multi-language
G-sensor	150 port
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
Camera resolution	Max support 3M
Working Environment	
Operating temperature	-40℃~70℃
Operating humidity	15-65%RH
Storage temperature	-40℃~70℃

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

1) Menu　　2) Power button
3) Scroll down key　　4) OK confirmation key
5) Flip up key　　6) Front camera
7) Indicator light　　8) Reset button
9) TF card slot　　10) bracket mount
11) Rear view camera interface　　12) Power interface
13) Interior camera　　14) Red interior light
15) Night vision light butto

In video mode ,short press 【M】to enter video menu settings as follows:

Recorder Menu

1	Resolution	4K 2K 1080P 720P	
2	Loop recording	Off/1minutes/2minutes 3minutes	
3	High dynamic range HDR	on/ off	Improved image quality; Better visual affect
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 languages	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

【M】For menu keys.
Short press the 【M】key to enter the menu, select the settings function option, short press the OK key, and then short press the right left key. 【↓】to enter another menu option
【►】For the bottom button, press briefly to flip through the menu interface for selection, and press briefly to switch to the camera interface for recording.
【◄】Press the up button briefly on the menu interface to scroll up and select.
Function 1: Long press 【◄】Press the up button to enter the WiFi interface
【OK】is the confirmation button, short press on the menu interface to confirm, short press on the recording interface to switch between recording on/off function
【C】is the night vision light button
Function 1: Long press to turn on/off night vision lights
Function 2: Short press shooting function on the recording interface
Function 3: Select Settings on the menu interface and then short press to enter another menu option
Rear view lens （optional）
In case of video recording, 4 pin plug of rear view lens insert AV-in hole of device, there's a rear view image in topright of the screen, that means connected successfully; short press OK button to pause, long press【◄】button to switch front-rear view image. When hang up 'R' gear, it will show full image of rear view

Note: This device can only support dual cameras to video record at the same time instead of 3 channels camera, that is front-inside camera or front-rear camera; if installed a rearview camera and choose front-inside view mode, it will automatically indicate full image of car reversing visual when you hang up"R" gear, but won't effect front-inside video record, also will automatically switch back front-inside view after cancel "R" gear.
As for system update to support 3 channels camera to video record at the same time, please prevail in kind and we're sorry for no further notice.

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.
【Note】Please use the high speed TF card (Class10 above), capacity of not less than 4GB. TF card maximum support 32GB.
4. The recorder via a bracket fixed to the front windshield of the car.
5. Insert the car charger into the car cigarette lighter.
【Note】When wiring, extend the charging line along the edge of the car door frame and carpet under the car body.
6. Install the rear camera at the rear of the vehicle, and pay attention to the up and down direction. Wiring can be buried along the edge of the car roof laying.【Note】There are two ways to install the rear camera:
　A、　Adsorbed on the glass above and behind the car, hands-on self-installation (Reversing visual function can not be achieved, only real-time recording rear video).
　B、　To find a professional installation staff installed in the license plate above the camera at the same time need to connect the power reversing lights (Reversing visual function can be achieved).
7. Adjust the lens position to ensure the best viewing angle.
8. 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;
Turn off the car engine, the recorder automatically saves the contents of the log and shuts down, recording multiple segments are stored on the TF card. When the TF card is full, the recorder will overwrite the oldest recorded image preferentially.
【Note】
a. Time segment of record can be set 1/2/3 minutes in the menu;
b. The video individually stored in the folder named "DCIMA" and "DCIMB" in TF card (package include rear view lens)。
2.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.

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 data 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. Reversing visual function
First, you must connect the dvr with car charger, rear-view camera connect the reversing lights. Insert the car charger, machine will automatically start recording status, screen switch 8 position in the recording mode automatically switches to the rear-view camera, display reverse image. After reversing visual machine automatically return to video mode.
Reminder: Please test the rearview camera is normal before installation.

9. 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 switch to 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 ℃,will cause automatic shutdown
【Note】Practice proof	Most of the problems sources from the memory card, a small part cause of power cord

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