

# HFK<sup>®</sup>

## HFK 摩托车专用行车记录仪 HM201使用说明书

### 警告/WARNING

- 1、安装之前请仔细阅读以下说明。
- 2、本产品支持直流电压9V-36V，专用于摩托车上。
- 3、安装之前请关闭摩托车电源，安装完成后开启电源。
- 4、粘贴摄像头支架时，请确保粘贴区域洁净，车上打蜡会影响粘贴效果，可以用打火机或热风枪加热3M胶贴再粘贴。
- 5、严禁使用高压水枪冲洗机器，以免机身进水！
- 6、HM201摄像头为全密闭防水，但仍需避免使用去渍油、酒精、柏油清洗剂等溶剂接触到镜头，以免破坏防水层。
- 7、为了文件存储的速度和安全，请定期清理Micro SD卡。

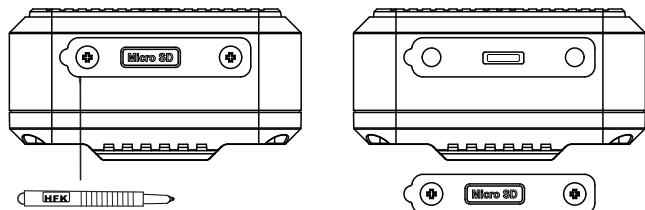
1. Please read these instructions carefully.
2. This product supports 9V-36V power supply and designed for use on motorcycles.
3. Please turn off the power of motorcycle before finishing installation.
4. When install the camera bracket, please ensure that area is clean. Vehicle waxing will affect the installation effect. Before installation can use lighter or hot gun to heat 3M sticker.
5. Do not use high-pressure water gun to flush the machine!
6. HM201 cameras are fully sealed waterproof, but still need to avoid using Cleaning Naphtha, alcohol, and Solvents such as tar detergent come into contact with the lens to prevent damage the waterproof layer.
7. For storage speed and security, please clean the Micro SD card regularly.

### 安装指南 Installation guide

## PART 1

#### 1 Micro SD卡安装 Micro SD card installation

使用专用十字螺丝刀取下防水塞，螺丝固定在防水塞上，请勿取出。  
Use screwdriver to open the plug, The screw is stuck in the plug, please don't take out.

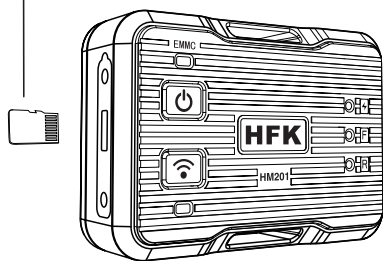


安装好Micro SD卡后，请盖好防盗防水塞并拧紧防盗螺丝。  
After installing the Micro SD card, please cover the plug and tighten the screw.

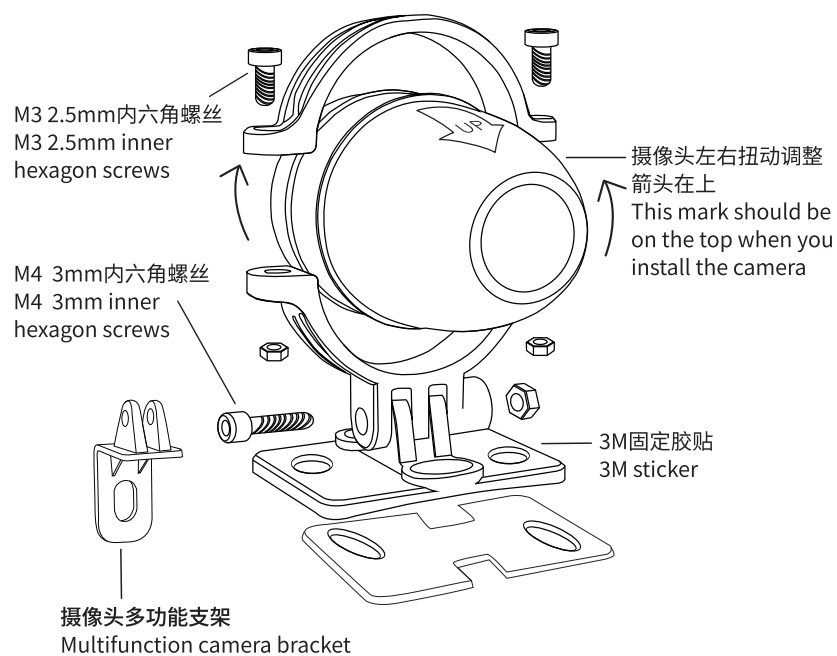
提示：HM201内置有eMMC 64GB储存，无需插入Micro SD卡也能正常工作。未插入Micro SD卡时，视频文件存入eMMC且正常循环录像；插入Micro SD卡(最大支持512GB)后，视频文件存入Micro SD卡，循环录像时只覆盖Micro SD卡内的文件，当视频被锁定时，该视频会同时存入Micro SD卡和eMMC (Micro SD卡弹出或接触不良时视频直接录入eMMC)。

Note: HM201 built-in eMMC 64GB storage, it can running without Micro SD card. Without inserting Micro SD card, all video files will save in eMMC and loop recording normally. Insert Micro SD card(max support 512G), video files will save in Micro SD card, loop recording will only overwrite Micro SD card saved files. When the video locked, the video will saved in Micro SD card and eMMC (if Micro SD card ejected or not well contacted, the video will saved to eMMC).

注意：Micro SD卡金属条朝向主机正面，最大支持512GB Micro SD卡  
Note: Micro SD card metal side up (max support for 512GB Micro SD card)



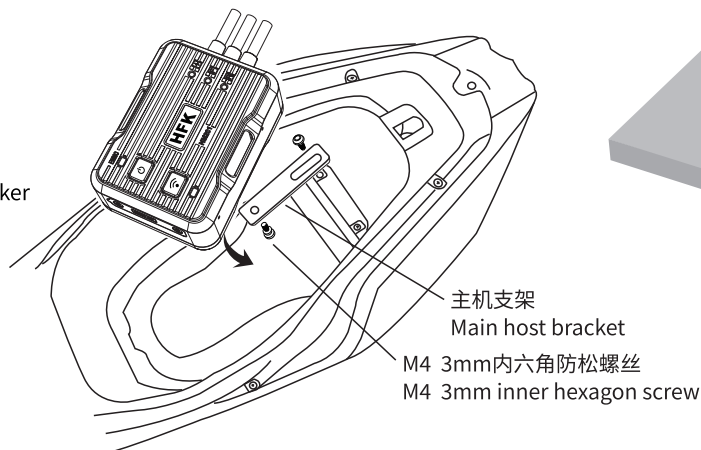
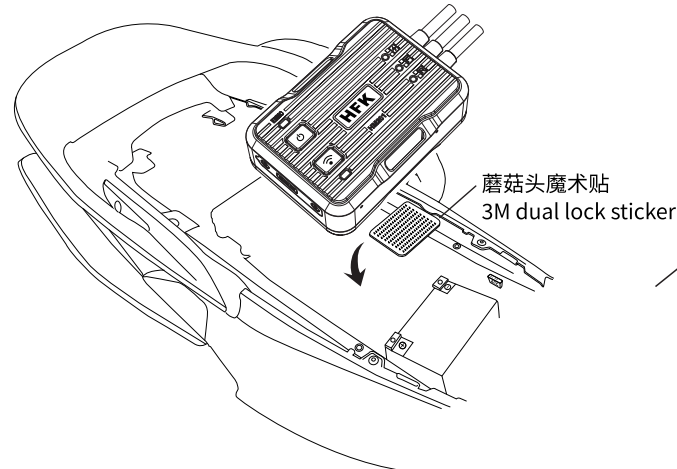
#### 2 前后摄像头安装 Front and rear camera installation



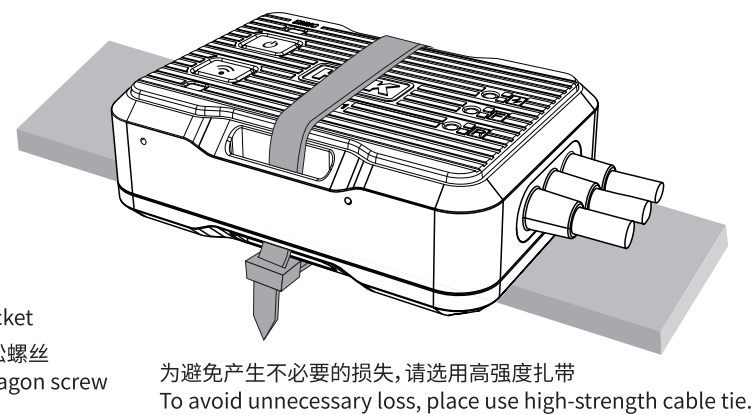
#### 3 主机安装 Main host installation

HM201主机可根据车型选择安装在坐垫下方或其他合适位置，根据安装位置选择主机支架、蘑菇头魔术贴固定主机。也可自备扎带，将主机绑在合适位置。

HM201 main host can be installed under on motorcycle cushion or other right place based on motorcycle model. Choose bracket and 3M dual sticker to fix the main host according to the installation position. Also can use high-strength cable tie to fix the main host in a suitable position.

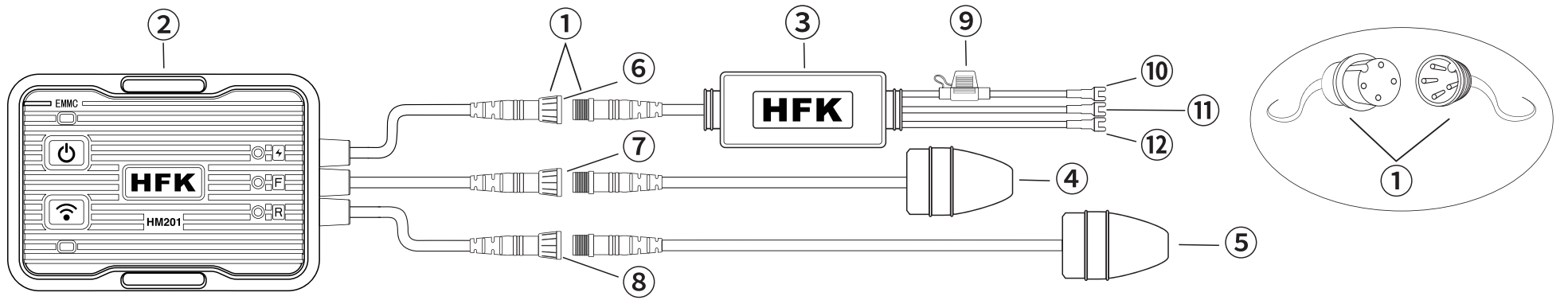


**注意：请避开车身高温区域安装主机！**  
Note: Please avoid installing the main host in a place with high temperature.



### 警告 WARNING

本产品支持IP67防水，严禁使用高压水枪冲洗机器，以免机身进水！  
若因此导致的机器故障，不在保修范围内！  
This product waterproof IP67. Forbidden to use high-pressure water gun to flush the DVR. If damage caused by this reason, no warranty.



- ①注:连接线路时对准卡槽和颜色
  - ②HM201主机
  - ③电源适配器
  - ④短线摄像头
  - ⑤长线摄像头
  - ⑥连接电源适配器(红色接头)
  - ⑦连接前摄像头(F接前摄像头)
  - ⑧连接后摄像头(R接后摄像头)
  - ⑨保险丝
  - ⑩红色B+(电源正极)
  - ⑪橙色接ACC电源
  - ⑫黑色地线(电源负极)
- ① Note: please connect the cable correctly with right color
- ② HM201 Main Host
- ③ Power adapter
- ④ Camera with short wire
- ⑤ Camera with long wire
- ⑥ The red cord connect with power adapter
- ⑦ Connect with front camera
- ⑧ Connect with rear camera
- ⑨ Fuse
- ⑩ Red B+ (positive)
- ⑪ Orange ACC Power
- ⑫ The black cord lead to ground (negative)

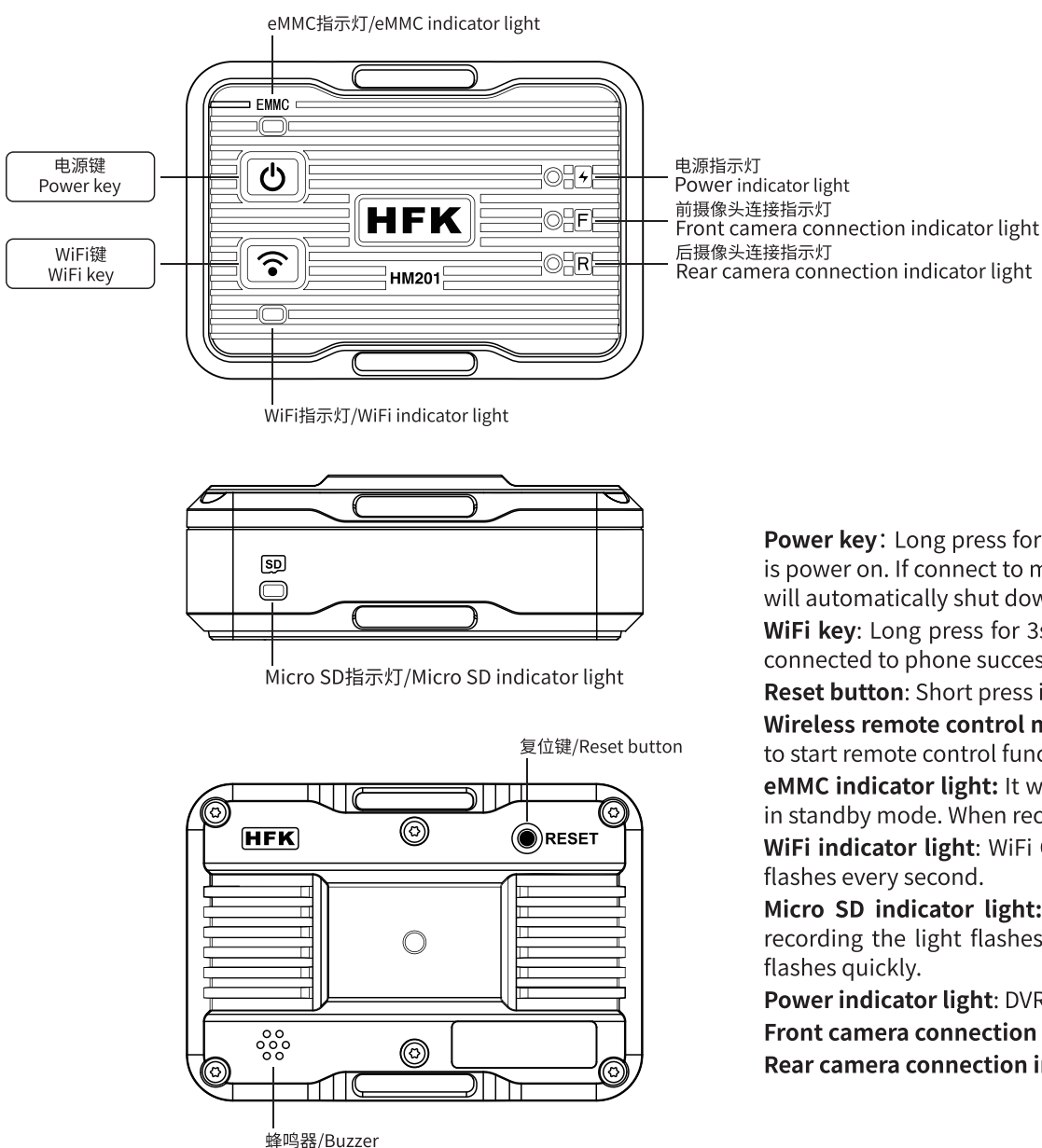
注:请根据安装位置灵活选择长线和短线摄像头。  
 Note: Please flexible to choose the long /short wire camera according to the installation position.

提示:ACC信号线接摩托车ACC电源上,可随摩托车开关钥匙自动开关机。也可接在摩托车电源正极上,则需要手动开关机,摩托车熄火后请记得关机,以免消耗摩托车电瓶电量。(建议接摩托车ACC电源上)

Note: ACC signal line connected with motorcycle ACC power, can be switched on/off with motorcycle key. It also can be connected to the positive of the motorcycle power supply, so that you need to turn on by manually. Please remember to shut down the DVR after the motorcycle is turned off to avoid power consumption of motorcycle. (Recommended to connect the motorcycle ACC power supply)



按键功能和指示灯/Function Buttons and Indicator Lights



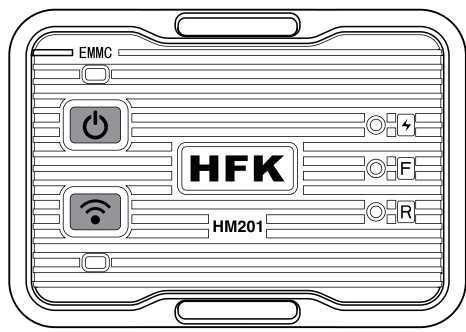
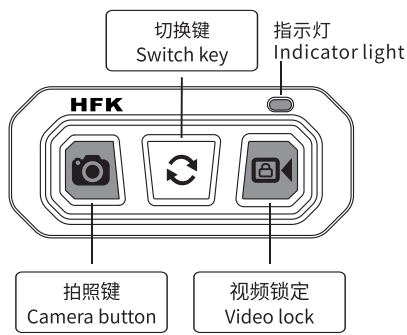
- 电源键:** 长按开/关机, 开机后电源指示灯亮, 若连接机车ACC电源则拧开钥匙自动开机并开始录影, 关钥匙则自动关机。
- WiFi键:** 长按WiFi开启/关闭。WiFi开启后WiFi指示灯长亮, 手机连接WiFi成功后灯亮并一秒一闪。
- 复位键:** 短按, 主机关机重启。
- 遥控器匹配:** 同时长按电源键和WiFi键3秒以上开启遥控匹配功能, 匹配成功后, 主机会发出3次“滴滴声”。
- eMMC指示灯:** 装有Micro SD卡时灯不亮;未安装Micro SD卡, 待机时灯亮, 录像时灯亮并一秒一闪。
- WiFi指示灯:** WiFi开启后灯长亮, 手机连接WiFi成功后灯亮并一秒一闪。
- Micro SD指示灯:** 装有Micro SD卡, 待机时灯长亮, 录像时灯亮并一秒一闪; 未安装Micro SD卡灯不亮, Micro SD卡故障时灯快速闪烁。
- 电源指示灯:** 开机后灯亮, 超级电容充满电后灯灭。
- 前摄像头连接指示灯:** 前摄像头连接正常灯不亮, 连接异常灯亮。
- 后摄像头连接指示灯:** 后摄像头连接正常灯不亮, 连接异常灯亮。

- Power key:** Long press for 3 seconds to on/off the machine, the power indicator light is on when the DVR is power on. If connect to motorcycle ACC successfully, it will work when you start on motorcycle, the DVR will automatically shut down when unplug the key.
- WiFi key:** Long press for 3seconds to on/off the WiFi. The WiFi indicator stays on when WiFi is on. After connected to phone successfully the indicator is on and flash every second.
- Reset button:** Short press it to shut off and restart the main host.
- Wireless remote control matching:** Long press power button and WiFi key simultaneously for 3 seconds to start remote control function, after matching successfully the main host will beep 3 times.
- eMMC indicator light:** It will not light on when a SD card inserted in. No SD card inserted, it will light on in standby mode. When recording it lights on and flashes every second.
- WiFi indicator light:** WiFi ON it stays on, after the phone connects to WiFi successfully, it lights on and flashes every second.
- Micro SD indicator light:** It stays on when there a Micro SD card inserted in standby mode. When recording the light flashes every second. No card inserted it will not light on. Micro SD card failure it flashes quickly.
- Power indicator light:** DVR turns on it lights on, super capacitor full charged will light off.
- Front camera connection indicator light:** Right connection the light off, faulty connection light on.
- Rear camera connection indicator light:** Right connection the light off, faulty connection light on.

# 遥控器配对

## Remote control matching

# PART 4



注:无线遥控器为选配设备,若有需要请另外购买。遥控器详细操作请查询遥控器说明书。  
 Note: wireless remote control is optional equipment, please purchase it separately if necessary. Please refer to the remote control manual for detailed operation.

### HM201与无线遥控器匹配操作

- 1.同时长按“电源键”和“WiFi键”3秒以上开启遥控匹配功能;
- 2.同时按住遥控器上“拍照键”和“视频锁定键”,匹配成功后,遥控器指示灯闪烁五次,主机发出3次“滴滴声”。若匹配未成功,请重复以上操作。

### HM201 and Wireless Remote Control Matching Operation

- 1, Long press power key and WiFi key simultaneously for 3 seconds to start remote control function.
- 2, Simultaneously press and hold the “Camera button” and “Video lock” on the remote control. After matching successfully, the remote control indicator flashes 5 times, main host will beep 3 times. If not work, please try again.

# APP操作

## APP operation

# PART 5

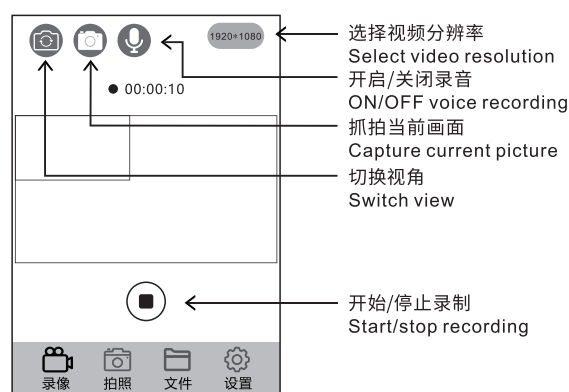
### HM201连接手机APP

长按WiFi键, WiFi指示灯亮后,在手机上选择名称为“HM201-xxxxxx”的WiFi信号连接,初始密码8个0,然后打开HFK手机APP即可成功连接。(连接成功后WiFi指示灯一秒一闪)

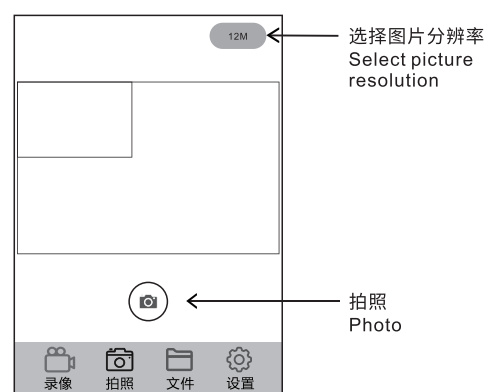
### HM201 APP connection

Press the WIFI key for over 3 seconds, the WIFI indicator lights on, select the WIFI “HM201-xxxx” on your phone, the initial password is 00000000. And return back to HFK APP.(Connected successfully the WIFI indicator lights flashing every second)

### 录像界面/Video



### 拍照界面/Camera



扫码下载APP  
Scan QR code and download App (Android/IOS)

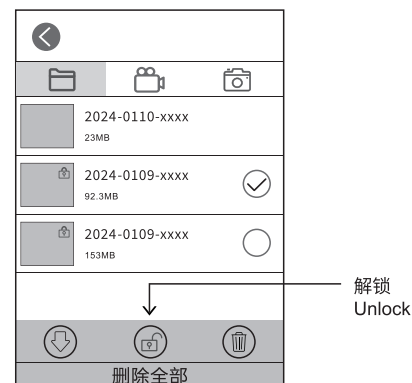
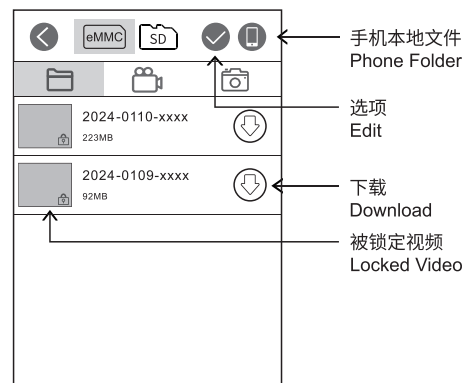


### Android 手机文件下载

点击“文件”进入“eMMC/Micro SD文件夹”界面(默认为“eMMC”,若插入Micro SD卡,可切换到“SD”),点击文件名后面的“下载”按钮直接下载。也可以点击文件预览,在预览界面进行下载操作。退出APP后可在手机“文件管理”查看已下载的文件。

### Android Download

Select “Folder” enter in “eMMC / Micro SD Folder” (default in “eMMC”, if insert a Micro SD card, it can switch to “SD”), download the file. Or you can download the file directly in preview. Then back to phone “Files” to check the downloaded files.

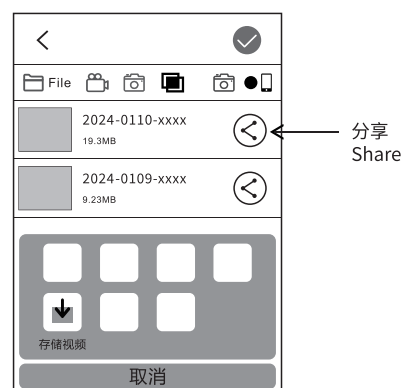
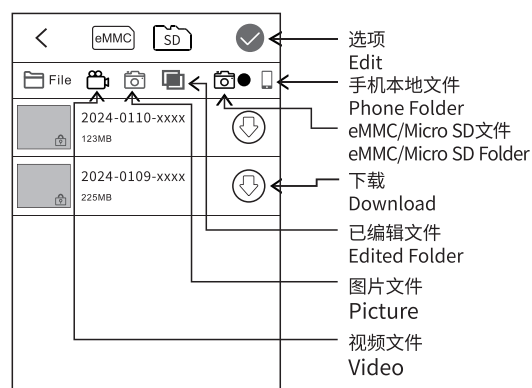


### 解锁被锁定视频

点击“文件”进入“eMMC/Micro SD文件夹”界面,点击“选项”按钮进入文件选择界面,选好需要解锁的文件后点击“解锁”按钮即可。

### Unlock the locked videos

Select “Folder” enter in “eMMC / SD Folder”, click “Edit” to choose the files which need to unlock.



## IOS

### IOS 手机文件下载

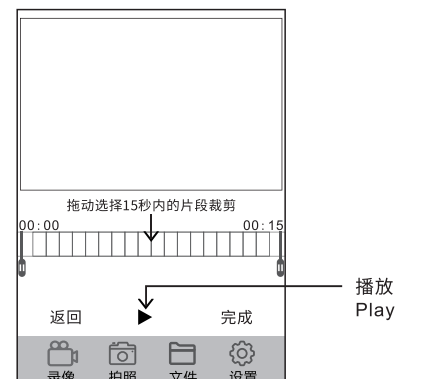
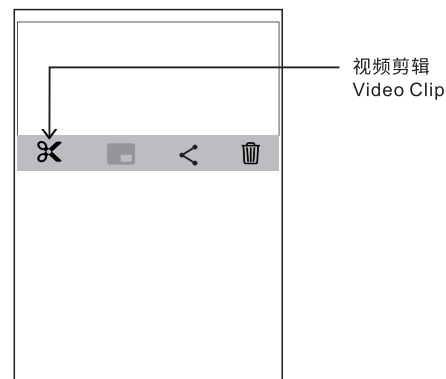
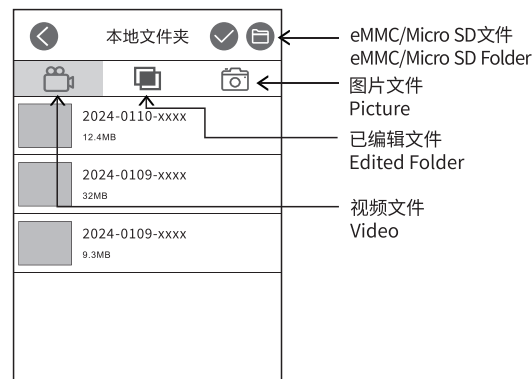
- 1.点击“文件”进入“eMMC/Micro SD文件夹”界面(默认为“eMMC”,若插入Micro SD卡,可切换到“SD”),点击文件名后面的“下载”按钮直接下载,也可以点击文件预览,在预览界面进行下载操作。
- 2.点击“手机本地文件”按钮,找到之前下载到手机的文件。点击文件后面的“分享”按钮,在弹出框内选择“存储视频”或“存储图像”,将文件保存到手机相册,退出APP后在手机“相册”查看。
- 3.剪辑或添加水印的视频文件保存在“已编辑文件夹”,可直接分享到社交平台(须断开WiFi连接,并联网),也可下载到手机本地,操作同上。

### IOS Download

- 1.Select “Folder” enter in “eMMC/Micro SD Folder” (default in “eMMC”, if insert a Micro SD card, it can switch to “SD”), download the file you need, and also can download the file directly in preview
- 2.Select “Phone Folder”,you can view the downloaded files on your phone. Select “Share” to “Save the video” or “Save the Photo”.Then back to phone “Photos” to check the downloaded files.
- 3.Edited videos saved in “Edited Folder”, they can be shared directly to social media(Keep phone on line, if cannot share, please disconnect the WIFI between phone and DVR). They also can download to the phone folder, same operation as above.

### 视频剪辑

- 1.点击“文件”进入“eMMC/Micro SD文件夹”界面,选择所需视频点击文件名后面的“下载”按钮直接下载(也可在预览界面中下载)。
- 2.点击“本地文件”按钮,找到之前下载到手机的文件,点击该文件进入播放界面,点击“视频剪辑”按钮即可进入相应操作界面。
- 3.拖动屏幕中的“视频进度条”,选择所需视频片段,点击“播放”按钮可预览所选视频片段,选好点击“完成”即可。拖动“视频条”两端滑块,可缩短视频时间。剪辑好的视频文件会存储在“已编辑文件夹”。



### Video Clip

- 1.Select “Folder” enter in “eMMC/Micro SD Folder”, download the file you needed(also can download in preview).
- 2.Select “Phone Folder”,find the downloaded file, play the video and click “Video Clip” to edit the file.
- 3.Drag the progress bar in the video, select you needed part. Click “Play” to preview the selected video clip, click “Done” to finish. Drag the sliders at both ends of the video to reduce the video time. The clipped video files will be stored in the “Edited Folder”.

提示：本产品支持最大512GB Micro SD卡储存，为了保证录像正常，建议使用正牌储存卡，由于记录系统不停读写数据，必须使用达到④③及以上标准的高速卡（读取速度100Mb/s, 写入速度60Mb/s以上），同时开机时切勿插拔Micro SD卡，以免造成储存卡的损坏。

1. 摩托车启动后不开机：请检查线路连接是否正常。
2. 按开机键不能开机：请检查线路连接是否正常。
3. 开机后不能录像/不能拍照/不能锁定视频：请检查是否插入Micro SD卡或需格式化Micro SD卡；Micro SD卡格式化后若问题还存在，请重插入Micro SD卡或再格式化Micro SD卡或者更换新卡解决。（有卡时Micro SD指示灯亮，Micro SD卡故障时Micro SD指示灯快速闪烁）
4. 主机上F或R指示灯亮，请对换一下摄像头，如果F和R之前不亮的指示灯亮起，则是摄像头本身故障，请更换新的摄像头。
5. F、R 两个指示灯都亮：请检查摄像头线连接是否正常
6. 录像变模糊：请检查镜头是否有灰尘，请擦拭镜头。
7. 录像没有声音，请检查麦克风是否在关的状态。
8. 正常行驶时很多视频被锁定：请连接APP调低重力感应灵敏度，默认为中，请调为低。
9. 摩托车碰撞时记录仪文件不锁定：请连接APP检查重力感应是否打开，如果重力感应是开的，请将重力感应的级别往高调节。
10. WiFi连接不正常：请检查WiFi是否开启，开启后WiFi指示灯常亮。WiFi未开启时灯不亮。连接正常WiFi连接指示灯会闪烁。连接WiFi时请将手机蓝牙关闭。
11. 出现死机等异常现象：请按复位键RESET。
12. 录像的视频会出现条纹电磁干扰或者紫纹电磁干扰：1,请检查摩托车火花塞型号，请使用R级电阻式火花塞。2,检查摄像头走线扎线是否存在问题，走线时请平顺走线，不要折到并保留一定余量，扎线时请不要绑的太紧或与车壳挤压太紧。

Note: This system max support for 512GB Micro SD card. In order to make sure video recording normally, we suggest to use brand Micro SD card. Because the recording system keep reading and writing data, so please must be use high speed ④③ Micro SD card or above (reading speed of 100Mb/s, writing speed of 60Mb/s). When the DVR is working, please do not remove the Micro SD card, it may cause the Micro SD card damaged.

1. After turning on the motorcycle but the DVR cannot start on, first please check power connection if normal.
2. Press "ON" button but DVR cannot start on, please check the power connection if normal.
3. If DVR can't recording, please check if you inserted the Micro SD card or you need to format Micro SD card. If the problem is still on after formatting the Micro SD card, please re-insert the Micro SD card or re-format or replace a new card. (when there has a card in it the light is on, when card faulty, the light will flash fast)
4. If the light "F" is on, please switch front (or rear) camera's plug. If the light of "F" is on but "R" (F) is off, that means the camera with problem, please change a new camera.
5. "F" and "R" both light on, check the cameras connection if right.
6. If the video comes blurry, please check the lens if with dust, and wipe them clean.
7. If the recording video has no voice, please check the microphone if "ON".
8. During normal driving when you realize the videos locked, please adjust the G-sensor sensitivity, the default setting is medium, please select low.
9. Motorcycle Collision but the DVR recording video comes unlocked: Please connect to APP to check if the G-sensor is "ON", if it is on, please adjust the sensitivity level up.
10. WiFi connection is abnormal: check the WiFi if "ON". when WiFi is ON the indicator is stay on. Off state the indicator is not on. Connecting normal WiFi indicator will flash. Please turn off the phone Bluetooth when connecting WiFi.
11. If the DVR crashed, please press "RESET" and try again.
12. Recording video if have stray electromagnetic interference or purple-grained electromagnetic interference: 1, Please check the motorcycle spark plug model, please use R-rated resistive spark plug. 2, Check if there has any problem with the cable lines or binding of the cameras. Please straighten the cable don't fold them up and keep a certain margin. Do not tie them too hard or squeeze too tightly with the motorcycle shell.

型号	HM201
产品尺寸	79 x 55 x 28.5mm
防水等级	IP67
视频解析度	1080P/60FPS
镜头角度	137°广角
镜头光圈	F1.55
视频保存格式	MP4(H.264无损压缩)
图片保存格式	JPG格式
存储介质	内置eMMC 64GB储存
	Micro SD卡,最大支持512GB(512GB Micro SD卡可录像约44小时不被覆盖, 256GB Micro SD卡约为22小时, 128GB Micro SD卡约为11小时, 64GB Micro SD卡约为5.5小时)
WiFi	5G WiFi
重力感应	G-sensor 碰撞锁定
超级电容	5.5V 5F
供电方式	B+, ACC开机
电源适配器电压	直流9V-36V
工作环境温度	-20°C --- 70°C
固定方式	主机支架, 3M胶、蘑菇头魔术贴

Model	HM201
Product Dimensions	79 x 55 x 28.5mm
Waterproof	IP67
Video	1080P/60FPS
View angle	137°
Camera lens	F1.55
Video format	MP4(H.264)
Picture format	JPG
Storage	Built-in 64GB eMMC
	Micro SD card support max 512GB(512GB Micro SD card can be recorded about 44 hours without being over written. The 256GB card is about 22 hours, the 128GB card is about 11 hours, and the 64GB card is about 5.5 hours)
WiFi	5G WiFi
G-Sensor	G-sensor collision Automatic lock
Super capacitor	5.5V 5F
Power supply	B+, ACC power on
Adapter voltage	DC 9V-36V
Working temperature	-20°C --- 70°C
Fixed method	Main host bracket, 3M glue, 3M dual lock sticker



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MADE IN CHINA



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HFK official website



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This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

#### Radiation Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm from your body.