



HFK 摩托车专用行车记录仪 HM603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, 安装完成后再开启电源。
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. HM603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。

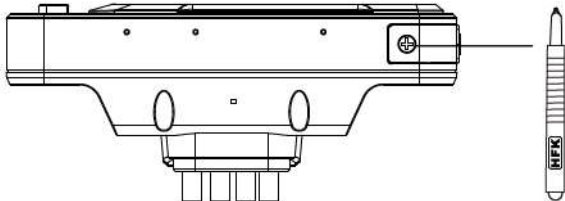
1. Please read these instructions carefully.
2. This product supports 9-36V power supply and is designed for use on motorcycles.
3. Please turn off the power of motorcycle before finishing installation.
4. When install the camera bracket, please ensure that area is clean. Vehicle waxing will affect the 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. HM603 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打开防盗防水塞, 螺丝固定在胶塞上, 请勿取出。
Use screwdriver to open the plug. The screw is stuck in the plug, please don't take out.

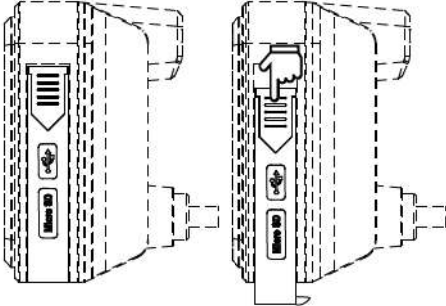


安装好Micro SD卡后, 请盖好防盗防水塞并拧紧防盗螺丝。
After installing the Micro SD card, please cover the plug and tighten the screw.

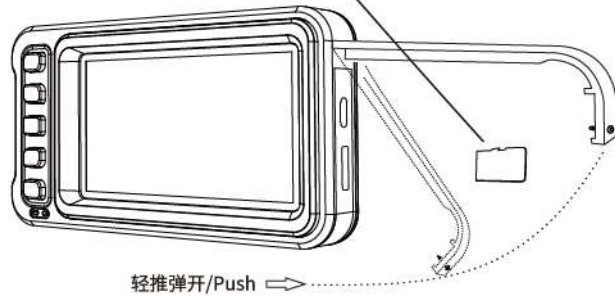
安装Micro SD卡前请把卡内文件转移至其它位置存放。Micro SD卡第一次装入后开机时主机屏幕会提示“初次使用Micro SD卡需执行格式化, 将会删除所有数据”, 按确认键即可执行格式化操作。

Before installing Micro SD card, please transform all data to other storage. First time to install the Micro SD card the screen will have notice “First to use Micro SD card it need to format, it will delete all data”, press “OK” to finish formatting.

将防盗防水塞向下推约5mm
Push down the plug 5mm



注意: Micro SD卡无金手指的一边朝向主机屏幕, 最大支持512G Micro SD卡
Note: Micro SD card is reversely inserted into the main host (max support for 512G Micro SD card)

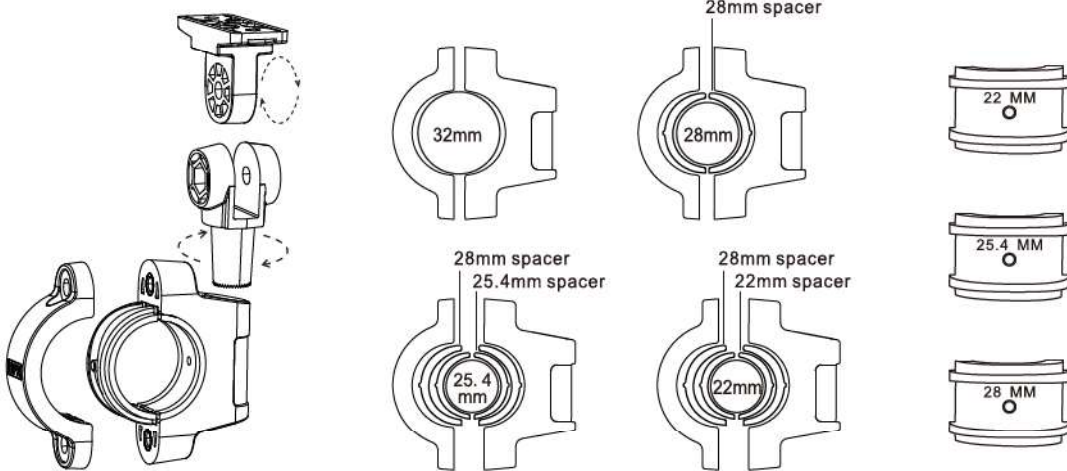
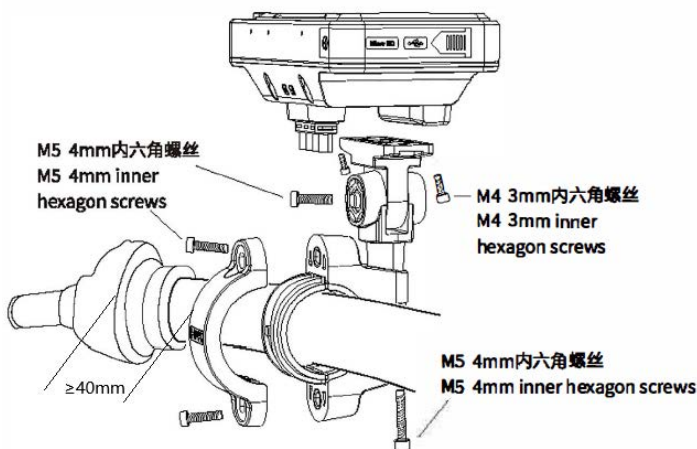


提示: HM603内置有eMMC 128GB存储, 无需插入Micro SD卡也能正常工作。未插入Micro SD卡时, 视频文件存入eMMC且正常循环录像; 插入Micro SD卡(最大支持512GB)后, 视频文件存入Micro SD卡, 循环录像时只覆盖Micro SD卡内的文件, 当视频被锁定时, 该视频会同时存入Micro SD卡和eMMC (Micro SD卡弹出或接触不良时视频直接存入eMMC)。
Note: HM603 built-in eMMC 128GB storage, it can running without Micro SD card. Without inserting Micro SD card, all video files will save in eMMC and loop recording normally. Insert Micro SD card(max support 512GB), 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).

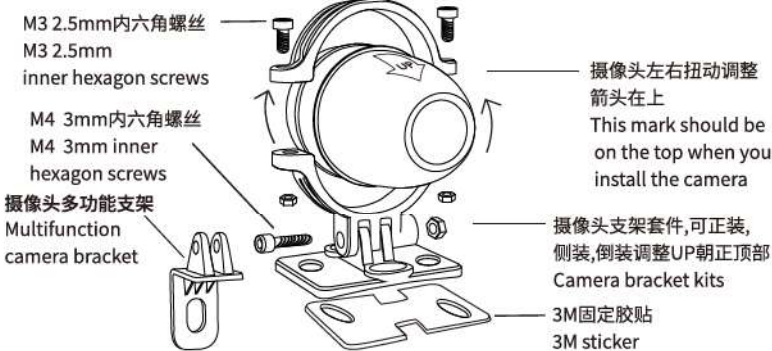
② 主机支架安装 Main host bracket installation

主机支架可多方位多角度转动, 请先选好安装位置并调整好角度后, 再拧紧螺丝。
请根据车把直径选择相应垫片, 车把直径为32mm时不需要用垫片。使用25.4mm和22mm垫片时需要配合28mm垫片使用。

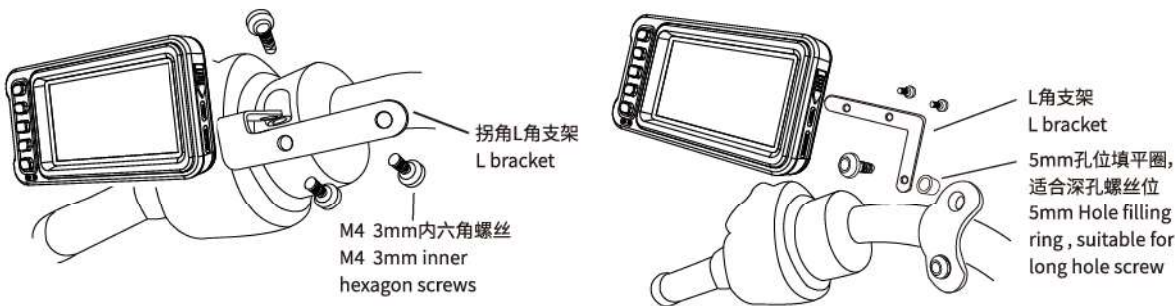
Main host can be rotated in different angles. Please choose right place and adjust the angle before installation, tighten the screws.
Please choose the right spacer based on your motorcycle handlebar. There is no need to use spacer when the handlebar is 32mm. When using 25.4mm and 22mm spacer, it is necessary to cooperate with 28mm piece.



③ 前后摄像头安装 Front and rear camera installation



④ 不锈钢主机支架安装方式 Stainless steel main host bracket installation

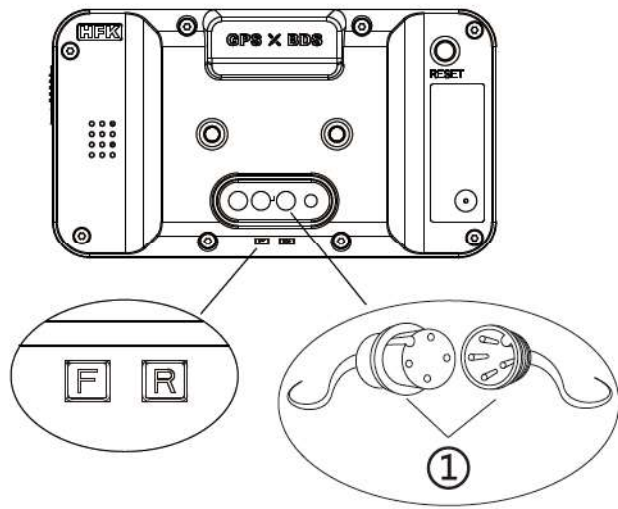


警告 WARNING

本产品支持IP67防水, 严禁使用高压水枪冲洗, 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 watergun to flush the DVR. If damage caused by this reason, no warranty.

安装组合图 The installation drawings

PART 2

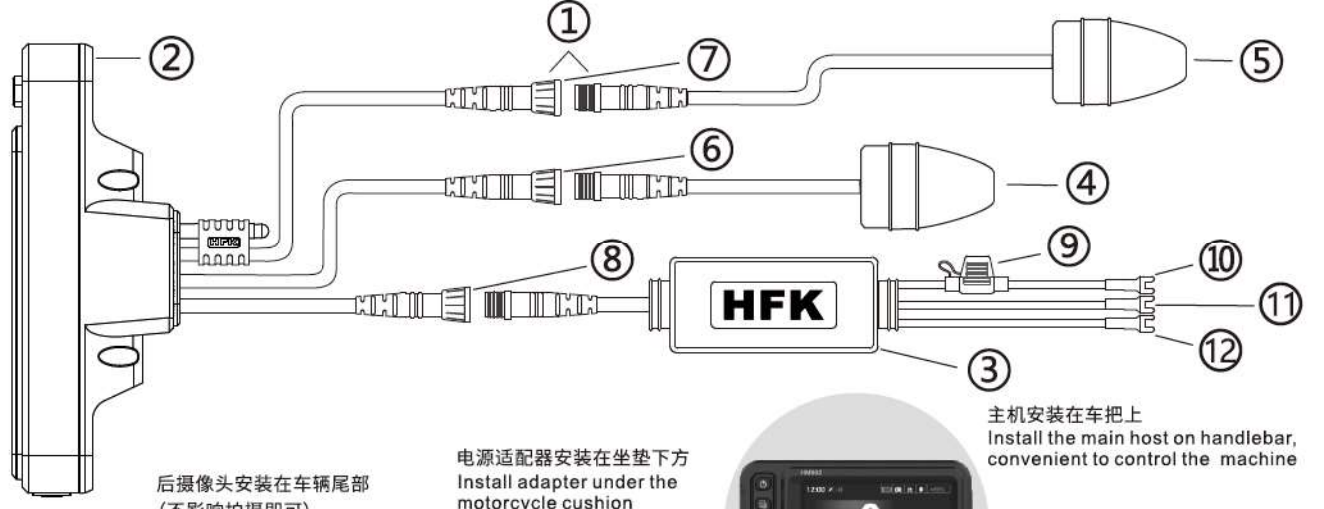


- ①注:连接线路时对准卡槽和颜色
②HM603主机
③电源适配器
④前摄像头
⑤后摄像头
⑥连接前摄像头(F路接前摄像头)
⑦连接后摄像头(R路接后摄像头)
⑧连接电源适配器(红色)
⑨保险丝
⑩红色B+ (电源正极)
⑪橙色接ACC电源
⑫黑色地线(电源负极)

- ① Note: please connect the cable correctly with right color
② HM603 Main Host
③ Power adapter
④ Front camera
⑤ Rear camera
⑥ Connect with front camera (The short wire)
⑦ Connect with rear camera (The long wire)
⑧ The red cord connect with power adapter
⑨ Fuse
⑩ Red B+ (positive)
⑪ Orange ACC Power
⑫ The black cord lead to ground (negative)

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)



后摄像头安装在车辆尾部
(不影响拍摄即可)
install the rear camera on the back of the motorcycle

电源适配器安装在坐垫下方
Install adapter under the motorcycle cushion

主机安装在车把上
Install the main host on handlebar, convenient to control the machine

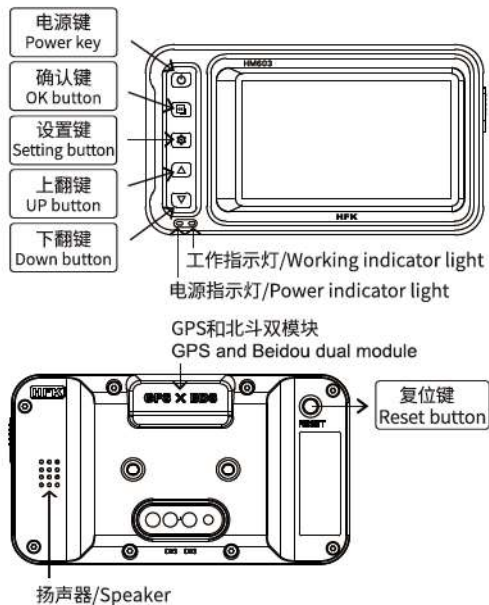
前摄像头安装在车头部分
(不影响拍摄即可)
Install front camera on front of the motorcycle.

HM603操作 HM603 operation

PART 3

按键介绍及操作

Function Buttons and operation



电源键:短按开机,长按三秒以上关机。开机状态下,短按调节屏幕亮度,亮度分四挡:100%亮度、60%亮度、30%亮度和熄屏(指示灯熄灭),依次循环。默认屏幕亮度为100%,系统会保存已调节好的屏幕亮度。如果息屏状态下关机,那么再次开机时屏幕的亮度为100%亮度。若连接机车ACC电源则拧开钥匙自动开机并开始录像,钥匙则自动关机。

确认键:录像界面下短按为停止录像。停止录像后长按进入拍照界面(短按即可拍照,前后摄像头各拍一张),再次长按进入播放模式,可查看拍摄的视频和图片(按上翻、下翻键选择要查看的文件---短按播放---再次短按暂停播放/长按结束播放),第三次长按返回录像界面。在设置功能选项中为确认键。时速界面下长按3秒清除最高时速记录、小计里程和单次行车时长;指南针界面长按3秒清除最大海拔和GPS高度;我的旅程界面长按3秒清除所有界面内的所有数据记录。

设置键:录像状态下短按为锁定视频,长按为开/关WIFI。停止录像后短按进入视频设置界面(按上翻、下翻键选择需要设置的项目---按确认键进入---按上翻、下翻键选择所需内容---按确认键确定选择),再次短按进入系统设置界面,第三次短按退出设置。

上翻键:录像时短按为切换时速度界面,录像显示界面,胎压显示界面,我的旅程界面,指南针界面,长按1秒为循环切换前、后摄像头和大小窗显示。设置界面下为向上选择功能。

下翻键:录像时短按为切换时速度界面,指南针界面,我的旅程界面,胎压显示界面,录像显示界面,长按1秒为循环切换前、后摄像头和大小窗显示。设置界面下为向下选择功能。

工作指示灯:录像时一秒一闪,停止录像后熄灭。

电源指示灯:开机后灯亮,内置电池充满电后灯灭。

注:胎压显示界面可以在胎压设置菜单打开,或者与胎压监测器匹配成功后打开。

Power key: Short press to power on the machine, keep pressing over 3 seconds to power off. In boot process, short press to adjust the screen brightness. The indicator brightness is divided in 4 levels: 100% brightness, 60% brightness, 30% brightness and off the screen (indicator off). The default screen brightness is 100%. The system will save the adjusted brightness. If you turn off the machine in the screen off state, then the brightness is 100% when you turn on the machine again. If connected with motorcycle ACC power, unscrew the motorcycle key the DVR will automatically start on and recording, off the key the DVR will automatically shut down.

"OK" button: Short press in the recording status to pause the recording. After pausing the video, long press to enter in camera interface (short press to take photos--each camera will take one). Long press again will enter in play mode, you can view the videos and pictures (press UP/Down button to select the review file---short press to play---short press again to pause / long press to end play). The third long press to return to the video interface. In speed interface long press 3 seconds to clear the highest speed, subtotal mileage and single trip duration. In compass interface long press 3 seconds to clear the highest altitude and GPS altitude data. In my route interface long press 3 seconds to clear all data records in all interfaces.

Setting button: Short press to lock video in recording status, long press to on/off WIFI. After pausing the recording, short press to enter the video settings interface (press UP/Down button to select the items that need to set---press "OK" to enter---press UP/Down to the selection---press "OK" to confirm). Short press again to enter the system settings interface. The third short press to exit settings.

UP button: When in recording status, short press to switch the speed interface, recording interface, tire pressure interface, my route interface and the compass interface. Long press 1 second for switching front / rear camera to be displayed separately or the front/rear camera size window displayed. In settings interface, this button is up selection function.

Down button: When in recording status, short press to switch the speed interface, compass interface, my route interface, tire pressure interface and recording interface. Long press 1 second for switching front / rear camera to be displayed separately or the front/rear camera size window displayed. In settings interface, this button is down selection function.

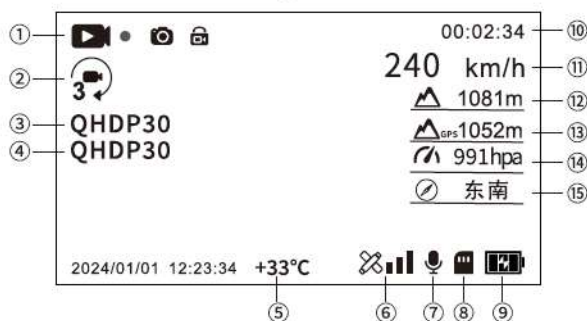
Working Indicator: When recording it flashes every second, pause recording it always on.

Power Indicator: Power on it lights on, the built-in battery fully charged it lights off.

Note: Tire pressure interface can be opened in the Tire Pressure Setting menu or after successful matching with the Tire pressure monitor.

主机屏幕界面介绍/Introduction of main host screen interfaces

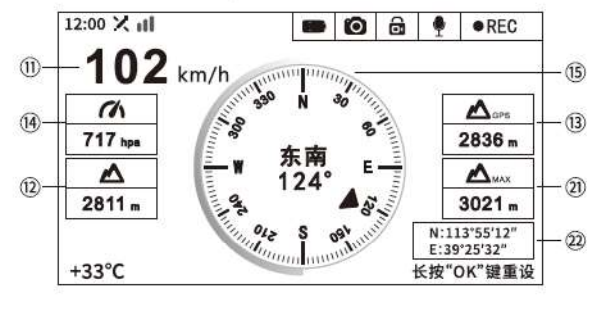
录像显示界面/Recording interface



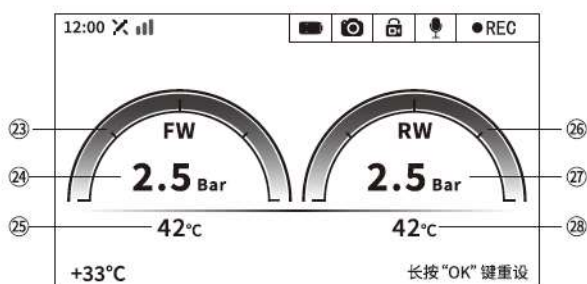
时速界面/Speed interface



指南针界面/Compass interface



胎压界面/Tire pressure interface



- ①录像状态(红点闪烁代表正在录像)/Recording (red light flashing shows DVR is recording now)
②循环录像时间/Time cycle of recording
③前摄像头分辨率/Front camera resolution
④后摄像头分辨率/Rear camera resolution
⑤环境温度/Ambient temperature
⑥GPS信号状态/GPS signal
⑦录像声音开关状态/Recording voice On/Off
⑧Micro SD卡状态/Micro SD card status
⑨供电/Battery
⑩录像时间/Recording time length

- ⑪当前时速/Current Speed
⑫海拔/Altitude
⑬GPS高度/GPS Altitude
⑭气压/Air Pressure
⑮指南针/Compass
⑯拍照/Photo
⑰视频锁定/Video lock
⑱最高时速/Top speed
⑲小计里程/Subtotal mileage
⑳单次行驶时长/Single trip duration
㉑最高海拔记录/Highest altitude

- ②经纬度/Longitude and latitude
③前轮胎压报警/Front tire pressure alarm (正常蓝色,报警变红)/(Normal in blue, alarm in red)
④前轮胎压数值/Front tire pressure value
⑤前轮胎温/Front tire temperature
⑥后轮胎压报警/Rear tire pressure alarm (正常蓝色,报警变红)/(Normal in blue, alarm in red)
⑦后轮胎压数值/Rear tire pressure value
⑧后轮胎温/Rear tire temperature

我的旅程界面/ My route interface



我的旅程：记录骑行过程中的总里程、总行驶时间、平均行驶速度、最高海拔、环境温度、最高速度。在我的旅程界面长按3秒清除所有界面内的所有数据记录，然后重新开始记录。（其它界面数据记录清零时不影响我的旅程界面的任何数据）

My route: Record the total mileage, total driving time, average driving speed, highest altitude, Ambient temperature, fastest driving speed. In my route interface long press 3seconds to clear all data records in all interfaces, and restart to record. (clear other interfaces data records will not affect any data of my route interface)

注：1,图中“拍照”图标只有在按下遥控器“拍照键”时才会显示，拍照结束后不再显示。“视频锁定”图标只有在当前视频被锁定时才会显示。

2,配对胎压监测器后,时速界面ⓐ为胎压数值。

3,行程中断6小时以上,主机启动后ⓑ和Ⓒ数据将清零。

Note:1, The “Photo” icon in the pictures will only be displayed when the remote control “Photo” button is pressed, and it will not be displayed after taking photos.“Video Lock” icon will only be displayed when the current video is locked.

2, After matching with tire pressure monitor, speed interface ⓐ is the tire pressure value.

HM603设置界面/ HM603 Setting



视频设置菜单

分辨率：选择录制视频的分辨率，默认为2560*1440P30_2560*1440P30且前后摄像头所录制的视频分辨率保持一致。

循环录像：设置录像的分段时长，分为1分钟、3分钟和5分钟。默认为3分钟（每段视频时长为3分钟），录满（eMMC和Micro SD卡）后会自动覆盖最早的文件。

视频合成：开启该功能后，前后摄像头拍摄的画面将合二为一，只生成一个视频文件。合成的视频以大小窗的形式展示前后摄像头所拍摄的画面。默认为关闭，关闭后，前后摄像头拍摄的视频会分成两个单独文件。

GPS：设置GPS的开启或关闭，开启后可侦测摩托车速度、GPS高度、当前行驶位置的经纬度以及指南针功能，关闭后记录仪将无法提供这些数据和功能。

卫星：显示时间、速度、经纬度、卫星颗数和星值。颗数越多、星值越大代表信号越强，若GPS无信号或关闭将无法接收卫星信号。

重力感应：设置视频碰撞锁定功能的碰撞识别灵敏度，分为越野路面、综合路面（推荐）、城市路面和关闭四种，请根据实际路况选择相应选项，默认为综合路面（推荐）。

录音音频：设置记录仪录像时是否同时录音，分开启和关闭两个状态，关闭后录制的视频没有声音。

日期标签：打开后视频中显示HFK logo和日期，关闭后视频中将不再显示，默认为打开。

指南针：开启后主机屏幕上会显示指南针，在APP中可以通过添加水印的方式合成到视频上。关闭后，主机上不再显示，APP中仍然可以添加指南针水印，默认为开启，若GPS无信号或关闭将无法正常提供数据。

气压：开启后主机屏幕上会显示所在区域实时气压信息，视频上也会生成气压数据标签。关闭后，主机和视频上都不显示。默认为开启。

海拔：开启后主机屏幕上会显示所在区域实时海拔信息，视频上也会生成海拔数据标签。关闭后，主机和视频上都不显示。默认为开启。

GPS高度：开启后主机屏幕上会显示所在区域的实时GPS高度信息，须开启GPS才能使用。关闭后，主机上不再显示GPS高度信息，默认为开启。若GPS无信号或关闭将无法正常提供数据。

GPS经纬度：开启后主机屏幕上显示摩托车当前位置经纬度，须开启GPS才能使用。关闭后，主机上不再显示GPS经纬度信息，但在APP中可以通过添加水印的方式调取，默认为开启。若GPS无信号或关闭将无法正常提供数据。

速度：开启后主机屏幕上显示摩托车当前车速，须开启GPS才能使用，默认为关。关闭后主机上不再显示车速，但在APP中可以通过添加水印的方式调取，若GPS无信号或关闭将无法正常提供数据。

疲劳驾驶：开启后，持续开机2小时后，主机屏幕会显示疲劳驾驶提示框并伴有滴滴声（持续15秒），之后每小时提醒一次，关闭后将不在有提醒功能。

延时关机：摩托车关钥匙后，记录仪延迟5秒关机，此功能需接ACC才能使用，默认为关。

公/英单位转换：切换km/h和mph两种速度计量方式。

系统设置菜单

WiFi：可开启记录仪自带的5G WiFi，用手机连接后，可通过HFKAPP来操作记录仪、下载文件、剪辑视频等（手机连接APP后主机不能显示实时画面）。录像状态下，长按设置键也可打开和关闭WiFi。

日期/时间：手动调整日期和时间，选择日期显示格式。

遥控配对：初次使用遥控器或更换遥控器时使用，确保遥控器和主机一一对应。

温度：设置温度单位“°C”和“°F”；温度显示，开启后主机屏幕上会显示所在区域实时环境温度，视频上也会生成温度数据标签。关闭后，主机和视频上都不显示，默认为开启；低温提示，开启后，当环境温度低于或等于2°C时，主机屏幕会显示“路面结冰注意行车安全”并伴有滴滴声（持续15秒），关闭后将不再有提醒功能。

屏幕保护：选择亮屏的时间，分为关闭、2分钟、3分钟、5分钟，关闭后屏幕亮亮，默认为关。

按键声音：开启和关闭按键的声音，默认为打开。

图像旋转：当主机屏幕中图像与实物左右相反时，使用该功能纠正。

时区：设置用户所在地区的时区，默认为GMT+08:00。

语言设置：设置记录仪的显示语言，分为简体中文、繁体中文和英文三种，默认为简体中文。

格式化：可选择格式化eMMC和MicroSD卡，重要文件请在格式化前妥善保存。

恢复出厂设置：所有功能恢复到出厂时状态。

版本：显示机型和软件版本更改时间。

Video settings

Resolution: Select the resolution of the video, the default resolution is 2560*1440 P30_2560*1440 P30, front and rear cameras keep the same video resolution.

Loop Recording: Set the duration of recording, there are 4 options: 1 minute, 3 minutes and 5 minutes . The default is 3 minutes (each video record 3 minutes). It will keep recording till the eMMC / Micro SD card is full, the new video will overwrite before saved videos.

Video Synthesis: When turn on this function, the video can show both images of the front and rear cameras by picture in picture. The default is off. When turn off this function, the video recording by the front and rear cameras are two different videos.

GPS: Set the GPS on or off. After turning GPS on, it can show the speed , the altitude, the latitude and longitude of the motorcycle, also have the compass function.

After GPS turn off, it will be not able to provide these data.

Satellite: It show the time and date, speed, latitude and longitude, number of satellites, signal value. The larger the signal value, the stronger the signal. If the GPS has no signal or turned off, it will not be able to receive satellite signals.

G-Sensor: Adjust the sensing of the video collision locking function, select the appropriate option according to the road conditions.

Audio: This function is designed for voice recording at the same time when DVR recording, two status: on/off. Off the setting, there is no sound in the video.

Date Stamp: The HFK logo and date will be shown in the video when turn on the DVR. It will be no longer shown in the video when it is turned off. The default is on.

Compass: The default setting is on. When it is turned on, there will have icon in the main screen. In APP, it can be synthesized into the video by adding a watermark. After being turned off, the main screen will not displayed, and the compass watermark can also be added in the APP.

Air pressure: When turned on this function, real-time pressure information will be displayed on the main screen, and pressure data mark will also be generated on the video. After shutdown, the main screen and the video will not displayed. The default setting is on.

Altitude: After turning on the main unit, the real-time altitude information of the area will be displayed on the screen of the host, and the altitude data label will also be generated on the video. After shutting down, neither the host nor the video will be displayed. The default is on.

GPS Altitude: Turn on GPS, the real-time GPS altitude information of the area will show on the screen, When turn off GPS, it will not be shown the GPS altitude information of the area on the screen. The default setting GPS is on. If the GPS has no signal or turned off, the screen will have no GPS altitude data normally.

GPS LAL: After turning on, the current position of the motorcycle will be showed on main screen. The GPS must be turned on to use it. After closing, the GPS latitude and longitude information will not be displayed on the host, but it can be retrieved by adding a watermark in the APP. The default is on. If the GPS has no signal or is turned off, it will not be able to provide data normally.

Speed: After turning on this function, the screen will show the current speed of the motorcycle. Please turn on GPS first to use this function.

Fatigue Driving: After being turned on, after 2 hours of continuous power on, the host screen will display a fatigue driving prompt box with a beeping sound (for 15 seconds), and then remind once every hour. After turning off, there will be no reminder function.

Delayed shutdown: After the motorcycle key is on “Off” , the DVR will delay 5 seconds to shutdown, this function needs to be connected with ACC.

Conversion: Miles per hour and kilometers per hour can be choosed.

System setting menu

WiFi: Turn on DVR’s 5G WiFi, connected with your phone, you can operate the DVR, download files, video clip etc. Connected with APP the main screen can’t show current images. In recording status, long press setting button can turn on/off WiFi.

Date/Time: Manually adjust the time & date, select the format of time & date.

Auto Matching: When you use the remote controller pairing, please make sure the remote controller corresponds to the machine.

Temperature: Set unit of temperature °C or °F.Temperature display, after turning on it the main host screen will show current ambient temperature and also the temperature value on the video. Turn off it, main host screen and on the video will not show the temperature. Default setting is ON. Low temperature alert, when the current ambient temperature below 2°C,the main host screen will show “Beware of Slippery Roads” with ticking sound(lasting 15 seconds),turn off it, no alerts.

Screen Off Delay: Choose the time of screen on: off, 2 minutes, 3 minutes, and 5 minutes. Off the setting, the screen will stay on, the default is off.

Button sound: Turn on/ off the button sound, the default is on.

Image Rotation: When the image on the main screen is opposite to the real object, use this function to correct it.

Time Zone: Set the time zone of the user’s area, the default is GMT+08:00.

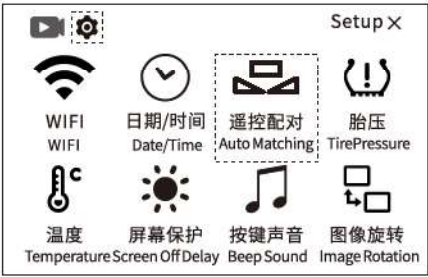
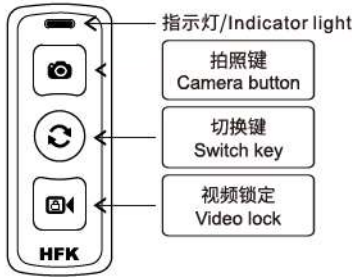
Language: Set the language by simplified Chinese, traditional Chinese and English. The default is simplified Chinese.

Format: You can choose to format the eMMC and Micro SD cards. Please save important files before formatting.

Default Set: All functions are reset to the factory state.

Version: It shows the model number and software version.

遥控器配对
Remote control matching



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.

HM603与无线遥控器配对操作

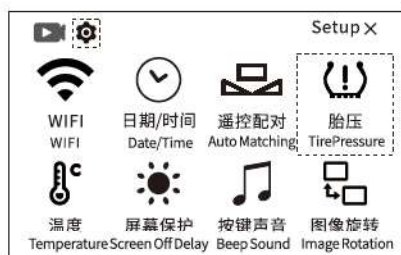
- 短按HM603主机上“确认键”暂停录像，短按“设置键”两次进入“系统设置”界面，选择遥控配对内的“开始配对”选项并确认，屏幕上显示“开始配对...”。
- 同时按住遥控器上“拍照键”和“视频锁定键”，遥控器指示灯闪烁五次，配对成功后主机屏幕会显示“配对成功”。如配对超时请重复以上操作。

HM603 and Wireless Remote Control Matching Operation

- Short press the “OK” button on HM603 to pause recording. Short press “Setting” twice to enter system settings interface, select “Auto Matching” and confirm.
- Simultaneously press and hold the “Camera” & “Video Lock” on the remote control. After the remote control indicator flashes 5 times, the matching is successful with words"Matching sucess" and the main screen will return to system settings interface .If not work, please try again.

胎压 Tire Pressure

PART 5



HM603与胎压监测器配对操作

1. 短按HM603主机上“确认键”暂停录像，短按“设置键”两次进入“系统设置”界面，选择胎压内的“匹配”选项，选择“前轮匹配”或者“后轮匹配”并确认，屏幕上显示“前轮匹配中(后轮匹配中)…”。
 2. 将胎压监测器拧到对应(前/后)轮胎的气嘴上直到拧紧(或将胎压监测器从气嘴上拧下来)，配对成功后主机屏幕会显示“前轮匹配成功(后轮匹配成功)”，并伴有滴滴声(3次)。
- 注: 匹配成功后, 到下次胎压匹配需要间隔20秒以上。如配对超时请重复以上操作。

匹配: 配对胎压监测器, “前轮匹配”匹配成功后会在胎压显示界面“FW”显示相应的胎压数值; “后轮匹配”匹配成功后会在胎压显示界面“RW”显示相应的胎压数值。

胎压界面开关: 开启后主机屏幕上显示“胎压显示界面”; 关闭后, 主机上不显示“胎压显示界面”, 默认为关闭, 匹配上胎压监测器后自动打开“胎压显示界面”。若主机没有匹配胎压监测器将无法正常提供数据。

胎压限值设置: 用于设置胎压最高和最低的报警值, 前轮胎压最高限制设置后, 当胎压 $\geq$ 设置的限制, 前轮胎压最低限制设置后, 当胎压 $\leq$ 设置的限制, 后轮胎压最高限制设置后, 当胎压 $\geq$ 设置的限制, 后轮胎压最低限制设置后, 当胎压 $\leq$ 设置的限制, 主机屏幕会显示“胎压异常, 请尽快检查轮胎”提示框并伴有滴滴声(持续15秒)。

胎压报警开关: 开启后, 当胎压限制设定高于设定值或低于设定值, 主机屏幕会显示“胎压异常, 请尽快检查轮胎”提示框并伴有滴滴声(持续15秒); 当胎压丢失时, 主机屏幕会显示“胎压设备丢失”提示框并伴有滴滴声(持续15秒), 默认为关闭, 匹配上胎压监测器后自动打开胎压报警。若主机没有匹配胎压监测器将无法报警。

HM603 and Tire Pressure monitor Matching Operation

- 1, Short press the "OK" button on HM603 to pause recording. Short press "Setting" twice to enter system settings interface, select "Matching" select Front tire or Rear tire and confirm. Screen will show "Matching front(rear) tire..."
- 2, Tighten the tire pressure monitor to the correct front/rear tire valve (Or unscrew the monitor from the tire valve). Matching successfully, main screen will show "Front(Rear) tire matched" with ticking sound(3 times)

Note: After matching successfully, next operation should be at least 20 seconds later. Please repeat if matching times out.

Matching: Matching tire pressure monitor, "Front tire matching" will show the correct tire pressure value in the tire pressure display interface "FW" after successful matching. "Rear tire matching" will show the correct tire pressure value in the tire pressure display interface "RW" after successful matching.

Tire Pressure interface: Turn on this function, the main host screen will show: "Tire Pressure display interface", turn off, no interface showed. Default setting is OFF. After matching tire pressure monitor "Tire Pressure display interface" turns on automatically. If main host doesn't match with the monitor, data unavailability.

Tire Pressure Limit Settings: To set the MAX(MIN) tire pressure alarm values. When the (front or rear) tire pressure higher(lower) than limited setting, the main screen will show :Abnormal tire pressure, please check tires ,and with ticking sound (lasts 15 seconds).

Tire Pressure Alarm: For MAX(MIN) tire pressure alarm. When the tire pressure higher(lower) than limited setting, the main screen will show :Abnormal tire pressure, please check tires ,and with ticking sound (lasts 15 seconds). Default setting is OFF. After matching tire pressure monitor the alarm turns on automatically. If main host doesn't match with the monitor ,alarm unavailability.

APP操作 APP operation

PART 6

HM603连接手机APP

1. 在录像状态下长按主机设置键, 主机屏幕变为蓝色并显示: SSIDXX-XXXX, PWA2: 00000000。
2. 在手机上选择名称为“HM603-xxxx”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, 主机屏幕上也会显示“WiFi连接成功”。

HM603 APP connection

1. Long press "Setting" while recording, main screen will be in blue and show: SSIDXX-XXXX, PWA2: 00000000.
2. Select the name of WIFI "HM603-xxxx" on your phone to connect, initial password is: 00000000, then turn on HFK APP, it will connect successfully, the main screen will show "WiFi connection successful".

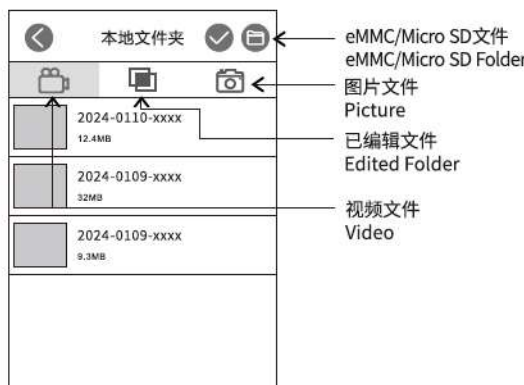
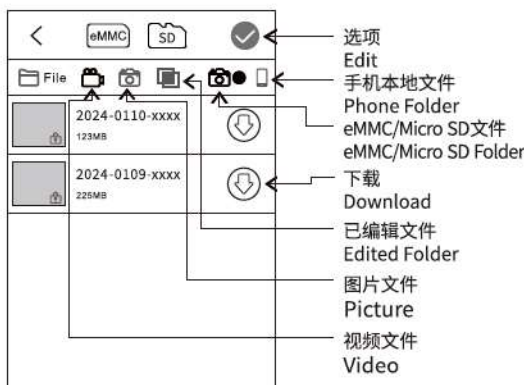


Android 手机文件下载

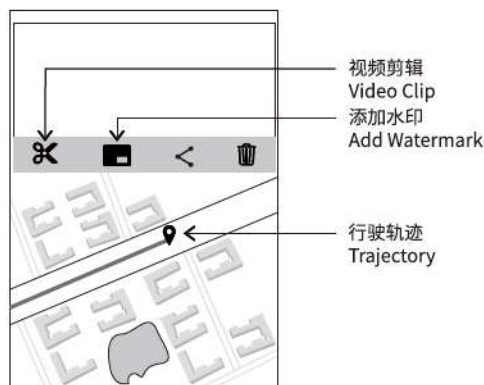
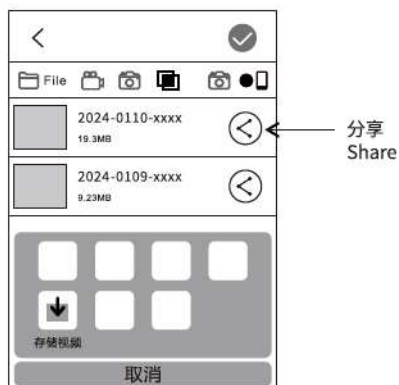
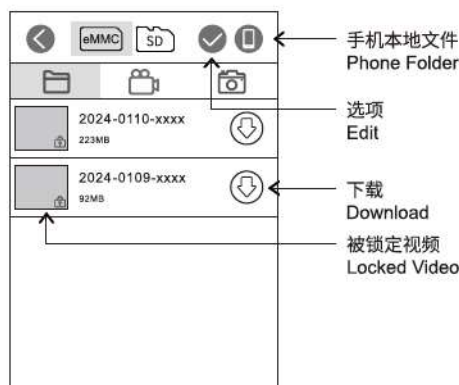
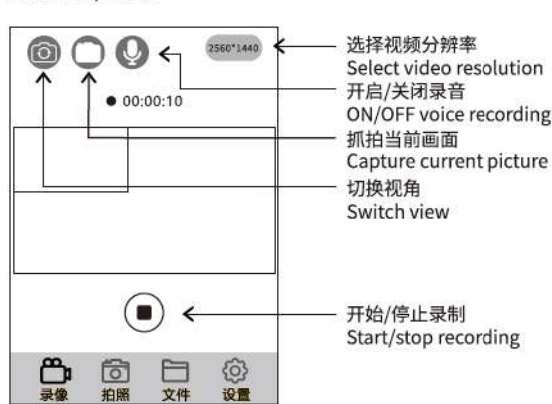
点击“文件”进入“eMMC/Micro SD文件夹”界面(默认为“eMMC”, 若插入Micro SD卡, 可切换到“SD”), 点击文件名后面的“下载”按钮直接下载。也可以点击文件预览, 在预览界面进行下载操作。退出APP后可在手机“文件管理”查看已下载的文件。

Android Download

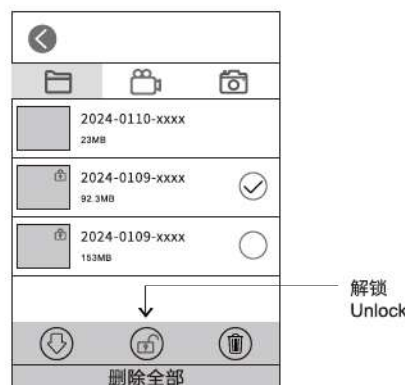
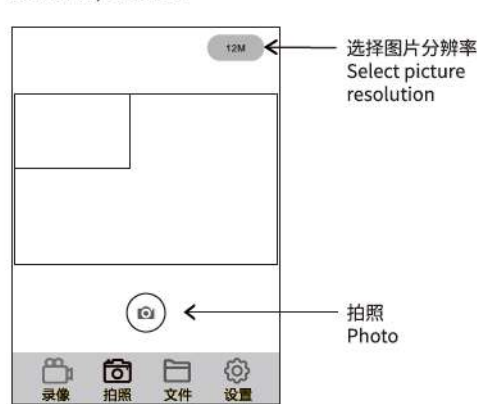
Select "Folder" enter in "eMMC / Micro SD Folder" (default in "eMMC", if insert a Micro SD card, it can switch to "SD"), download the file. Or you can download the file directly in preview. Then back to phone "Files" to check the downloaded files.



录像界面/Video



拍照界面/Camera



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

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.

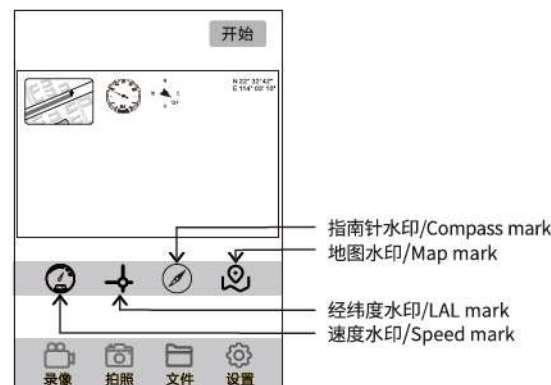
iOS

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.



视频剪辑和添加水印

- 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”按键直接下载(也可在预览界面中下载)。
- 2.点击“本地文件”按键，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”或“添加水印”按钮即可进入相应操作界面。

Video Clip&Add watermark

- 1.Select “Folder” enter in “eMMC/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” or “Add watermark” to edit the file.

视频剪辑

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

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”.

添加水印

- 1.点击屏幕上“速度”、“经纬度”、“指南针”或“地图”按钮即可添加或取消相应的水印。
- 2.拖动水印，放置到合适位置。
- 3.点击“开始”按钮，开始视频合成。合成好的会存储在“已编辑文件夹”。

Add watermark

- 1.Click the “Speed mark” / “Longitude & latitude mark” / “Compass mark” or “Map mark” button on the screen to add or cancel the mark.
- 2.Drag the mark and place it in the appropriate position.
- 3. Click the “Start” button to start the video composition. The synthesized ones will be stored in the “Edited Folder”.

常见故障处理
Troubleshooting

PART 7

提示:本系统支持最大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 ⑥ ⑬ 及以上标准的高速卡(读取速度100Mb/s, 写入速度60Mb/s以上),同时系统开启时切勿插拔Micro SD卡,以免造成Micro SD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。
- 4. 主机上前(F)或后(R)摄像头没有显示,请对换摄像头排查。例如:前(F)摄像头没有显示,对换摄像头后变为后路(R),此时后路(R)摄像头没有显示则是该摄像头本身存在问题,请更换新的摄像头。
- 5. 前(F)、后(R)摄像头都没有显示: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,请检查麦克风是否关闭。
- 8. 正常行驶时很多视频被锁定:请调节重力感应灵敏度,默认为综合路面,请调为越野路面。
- 9. 摩托车碰撞时记录仪文件不锁定:请检查重力感应调节开关是否在开的状态.如果重力感应是开的,请将重力感应的级别往城市路面调节。
- 10. WIFI连接不正常:请检查WIFI是否开启,开启WIFI后,屏幕会显示SSID: XX-XXXX. PWA2: 00000000 (初始密码为8个0)。连接WIFI机器显示蓝屏。并有WIFI已连接.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. 主机显示和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 ⑥ ⑬ 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 start on the motorcycle but the DVR cannot turn on, first check power connection if normal.
- 2.Press “ON” button but DVR cannot turn on, please check the power connection if normal.
- 3.If DVR cannot recording/take pictures/lock videos, please check if you inserted the Micro SD card or 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.
- 4.Main host “F” -front camera(“R” -rear camera) has no display image, please switch front(or rear) camera to check. For example: Front camera has no image, switch “F” to “R” , but “R” still no display, then make sure “F” camera with problem, please change a new one.
- 5. “F” and “R” both have no display image, 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 riding when you find videos locked: Please adjust the G-sensor sensitivity. The default is integrated general road, please select to Bumpy mode.
- 9.Motorcycle Collision but recording video unlocked: Please check if the G-sensor is “ON” , if it is on, please set the sensitivity mode in Urban road.
- 10.WIFI connection is abnormal: Check the WIFI if “ON” .After connecting WIFI, the display will show: “SSID: XX-XXXX. PWA2:00000000” (Initial password is 00000000).Connecting WIFI the screen display is in blue with words” WIFI connected” .When connecting WIFI please turn off the cellphone Bluetooth.
- 11.If the DVR crashed, please press “RESET” and try again.
- 12.Display screen or 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.

产品参数
Product parameters

PART 8

型号	HM603
产品尺寸	107 x 60 x 31mm
防水等级	IP67
摄像头分辨率	2K/30FPS
显示屏	3.0" IPS全视角高清屏
GPS	瑞士高精度10Hz GPS/北斗BDS双模块
指南针	卫星定位指南
电池	防爆高倍率聚合物锂电池
镜头角度	150°广角
镜头光圈	F1.9
视频保存格式	MP4(H.265无损压缩)
图片保存格式	JPG格式
存储介质	内置eMMC 128GB储存
	Micro SD卡, 最大支持512GB (512GB卡可录像约60小时不被覆盖, 256GB卡约为30小时, 128GB卡约为15小时, 64GB卡约为7小时)
WiFi	5G WiFi
传感器	重力传感器, 高精度海拔、气压传感器
主机电压	5V
工作环境温度	-20℃ --- 70℃

Model	HM603
Product Dimensions	107 x 60x 31mm
Waterproof	IP67
Camera resolution	2K/30FPS
Display	3.0 inch IPS HD Full View Screen
GPS	Switzerland 10Hz GPS /BeiDou BDS dual module
Compass	Satellite positioning guide
Battery	Explosion-proof high rate polymer lithium battery
View angle	150°
Camera lens	F1.9
Video format	MP4(H.265)
Picture format	JPG
Storage	Built-in128GB eMMC
	Micro SD card, support max 512GB (512GB card can be recorded about 60 hours without being overwritten. The 256GB card is about 30 hours, the 128GB card is about 15 hours, and the 64GB card is about 7 hours)
WiFi	5G WiFi
Sensor	Gravity sensor,High precision altitude & air pressure Sensor
Voltage	5V
Working temperature	-20℃ --- 70℃



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MADE IN CHINA



HFK 官网
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FCC STATEMENT

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 40 mm from your body.