Siera

Electronics

PRO 1010IP

Software Manual V1.2

Content

1. Reading Tips

| Symbol Description	
⚠Pay Attention	☼Remind for Operation or Use

Download Software
Install "PRO 1010IP **Scrcpy**" software on the Windows PC.

2. Appearance
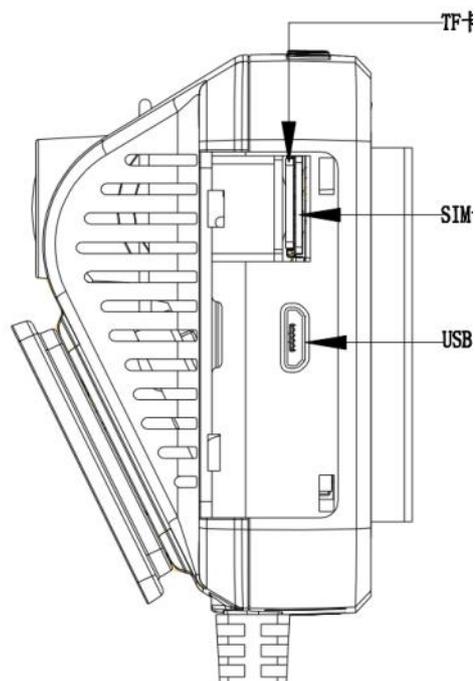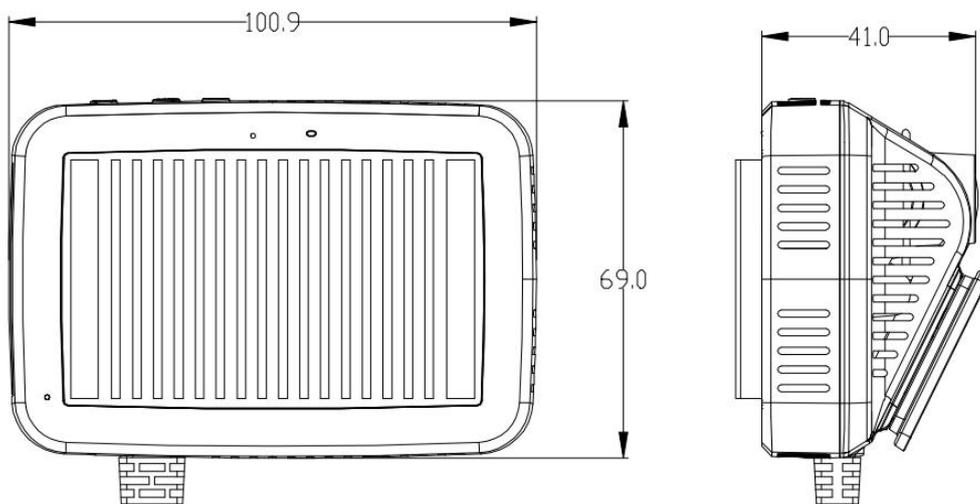
3. Cable definition

Basic interface cable: Power input, GND, ACC signal, one-key panic button (SOS), Please check the picture(PIC.1)
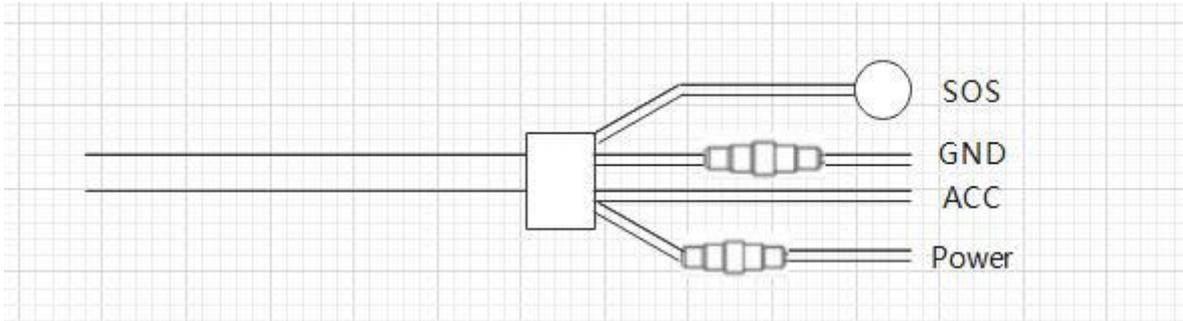
PIC.1

Rear camera cable: External camera interface x1, Please check the picture(PIC.2)
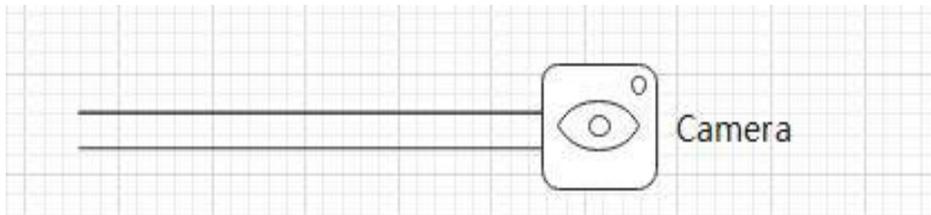
PIC.2

4. Installation

⚠ Configure the server IP/Port/APN or IP/Port/WIFI before installation (Refer to 5.2).

☼ To make sure the dash camera can be online before installation

Step1: Memory card and SIM card installation

⚠ The TF card is automatically formatted when it is inserted into the recorder for the first time. If it is not formatted, the user needs to format the TF card first.

☼ Recommended memory capacity 32G-128G, class 10 or above TF card, should be industrial level, MLC material.
The format should be FAT32.

Insert the SIM card into the SIM card slot, and the TF card into the TF card slot. When installing the SIM card, put the side with the metal sheet toward the side of the camera inside the car, and install the TF card with the side with the metal sheet toward the side of the camera inside the car. Please check the picture(PIC.3)
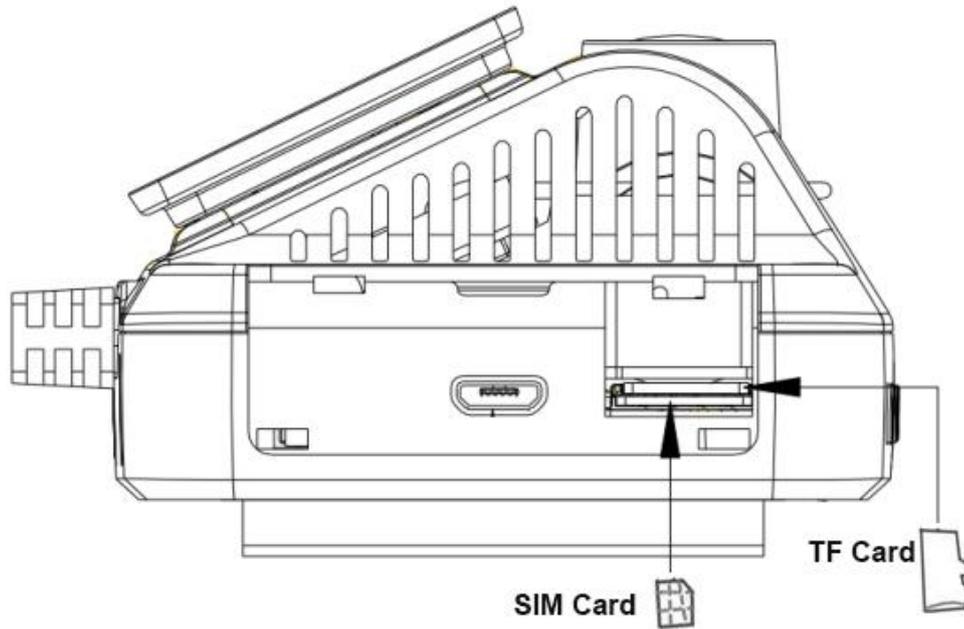
PIC.3

💡 TF and SIM cards are installed in the same way. When the SIM card or TF card is inserted, if there is an elastic block and a buckle is stuck, it means that the card is installed successfully.

Step2: Wiring connection

Connect the red wire (Power positive +) to BAT+ of vehicle, and yellow wire (ACC) to ignition of MDVR, and connect the black wire (Power negative -) of the to the negative terminal of the vehicle . (PIC.4)
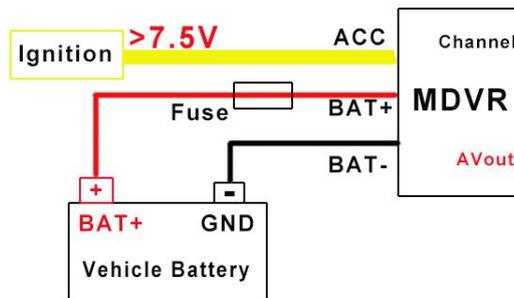
PIC.4

💡 ● When the connection is powered on, the work indicator lights up in red
   ● When the SIM card is detected, the work indicator lights up in green
   ● When it's working normally via 4G network, the work indicator flash in red/green/blue alternately

⚠ The user should not connect the wrong positive and negative poles, and be sure to wrap the positive and negative poles with electric tape after connecting the wires

Step4: Install holder for Dashcam

Take the holder from the package, slide it and install it. As shown in the figure below(PIC.6)

PIC.6

Step5: Adjust the angle of Front and Rear camera
Please take your laptop and connect the Micro-USB to your PC, then adjust the best position.

PIC.7

For rear camera, please fix the screw after it's ready.

Step6: Paste device
Paste on the windshield of the vehicle, and paste the dust-free glue at the selected position.
Pate the SOS button close to driver seat.
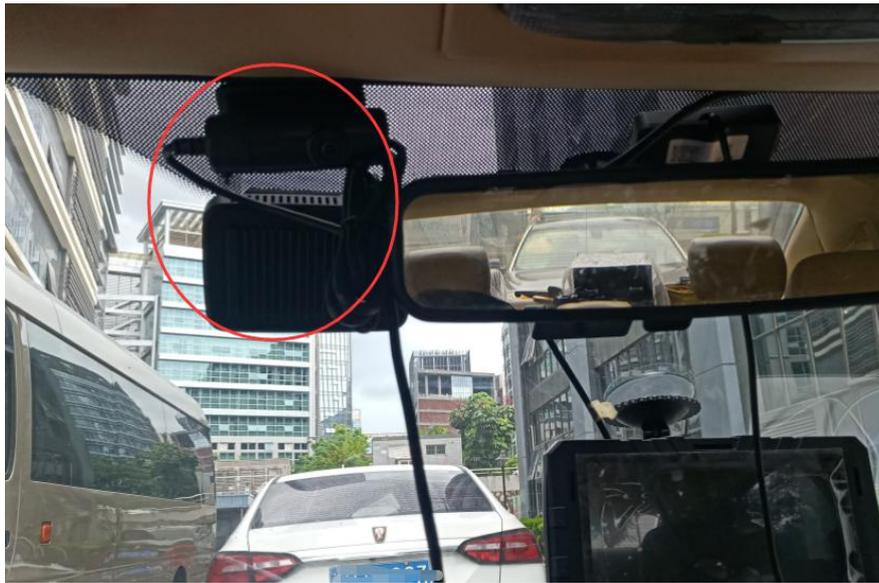
<p align="center">PIC.8</p>

Step7: Wiring

According to the actual situation of the vehicle, recommended to hide the wiring.(PIC.9)

<p align="center">PIC.9</p>

5. Instructions for using Android System

Step1: Unzip the Scrcpy folder, copy the start_factory_test.text file in the root of TF card. Then install it back.

scrcpy-noconsole.exe	2018/12/24 19:50
scrcpy-server.jar	2018/12/24 19:50
SDL2.dll	2018/12/24 19:50
start_factory_test.text ←	2021/7/7 9:19
swresample-3.dll	2018/12/24 19:50

Attention: TF card format must be FAT32.

**Step2:** Connect the dash camera to the Windows PC by standard Micro-USB cable.
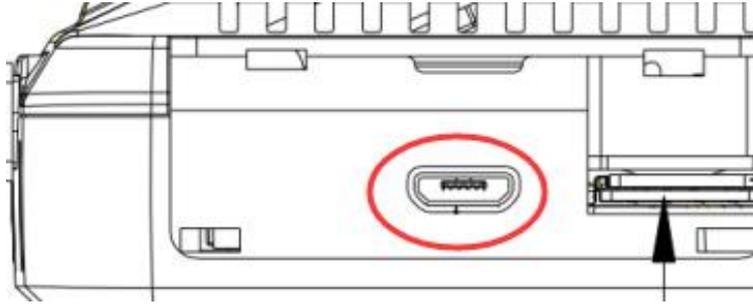
Step3: Click on "Scrcpy" software to show the Android interface on the computer.

factoryTest.exe	2019/6/29 11:11
PC_FactoryTestTool-1.1.05.jar	2019/6/4 15:55
scrcpy.exe	2018/12/24 19:50
scrcpy-noconsole.exe	2018/12/24 19:50
scrcpy-server.jar	2018/12/24 19:50
SDL2.dll	2018/12/24 19:50
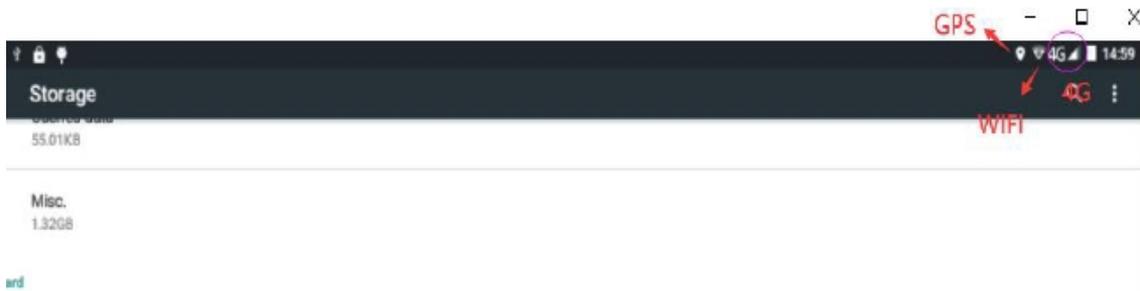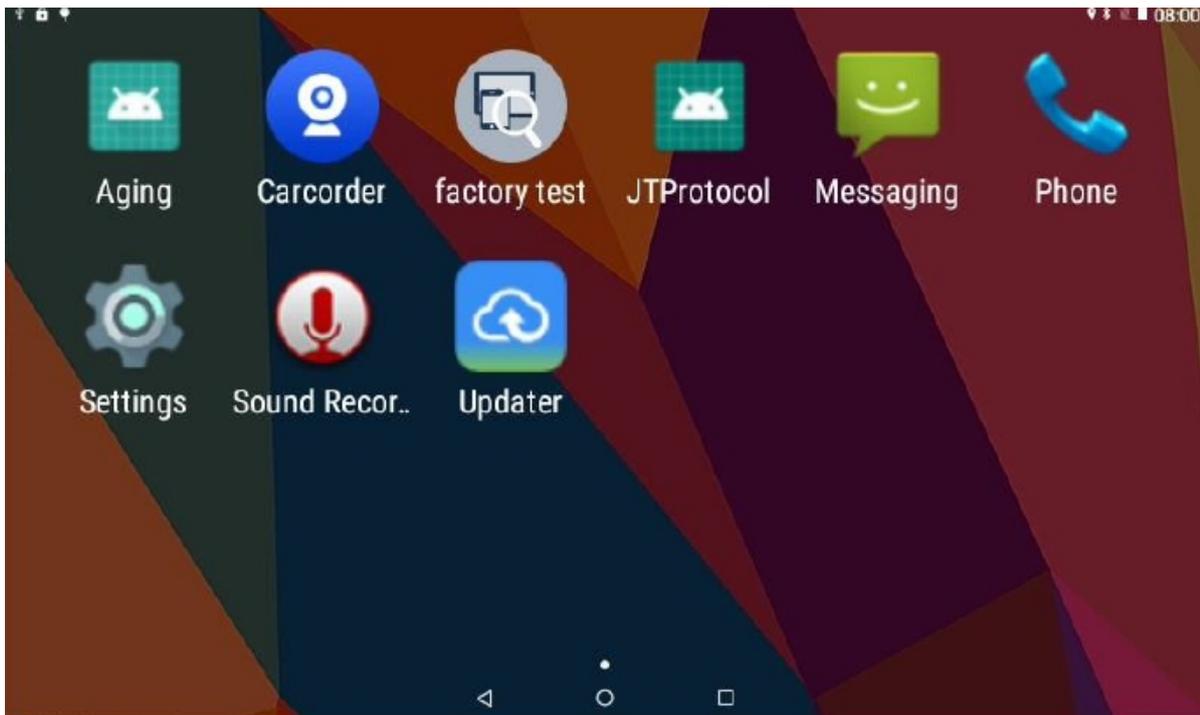
5.1 Carcorder

Carcorder: Recording video for the front camera or back camera.

Click the Vehicle icon to switch between front and rear camera.

5.2 JTProtocol

  IP address: Input IP address of Server Software.
  Port: 33000
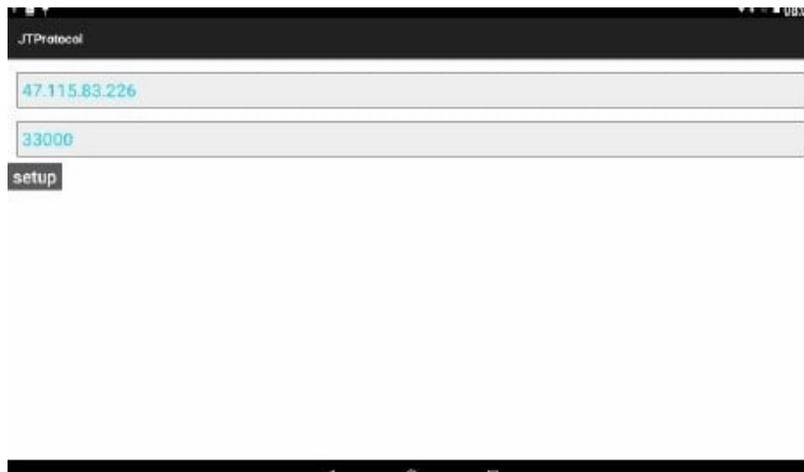
Attention: Need build your server first.

5.3 Settings

Settings: Configure the WIFI, APN, Timezone, Language etc and Monitor the data usage, Storage etc.
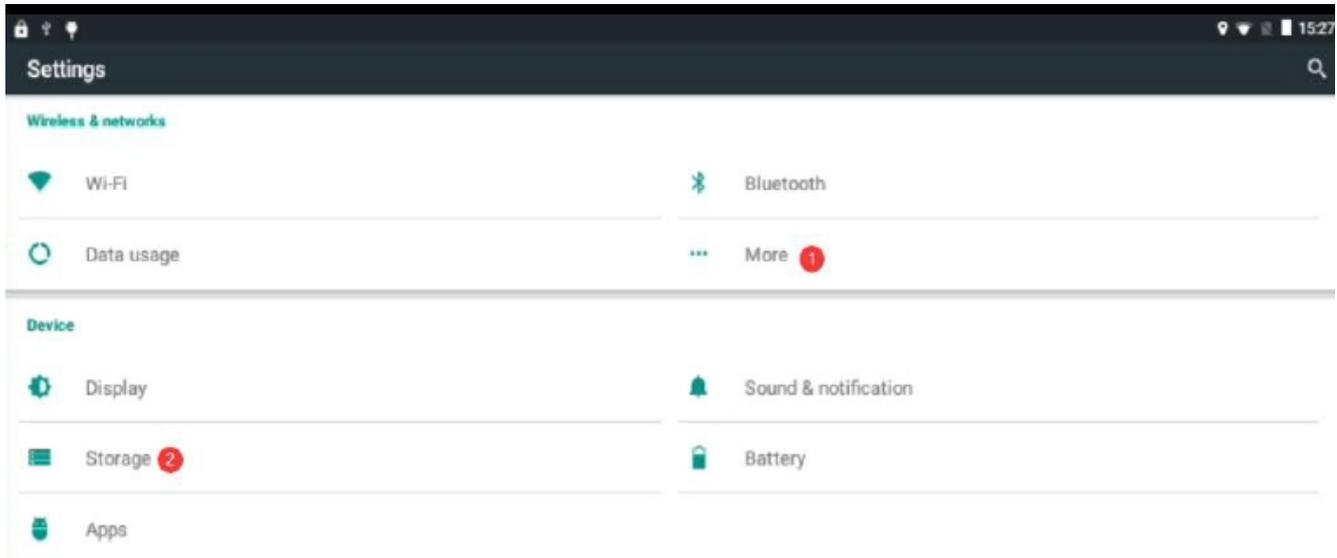
1. Configure APN

Click on "More" to configure Access Point Names (APN) and Network Operators.
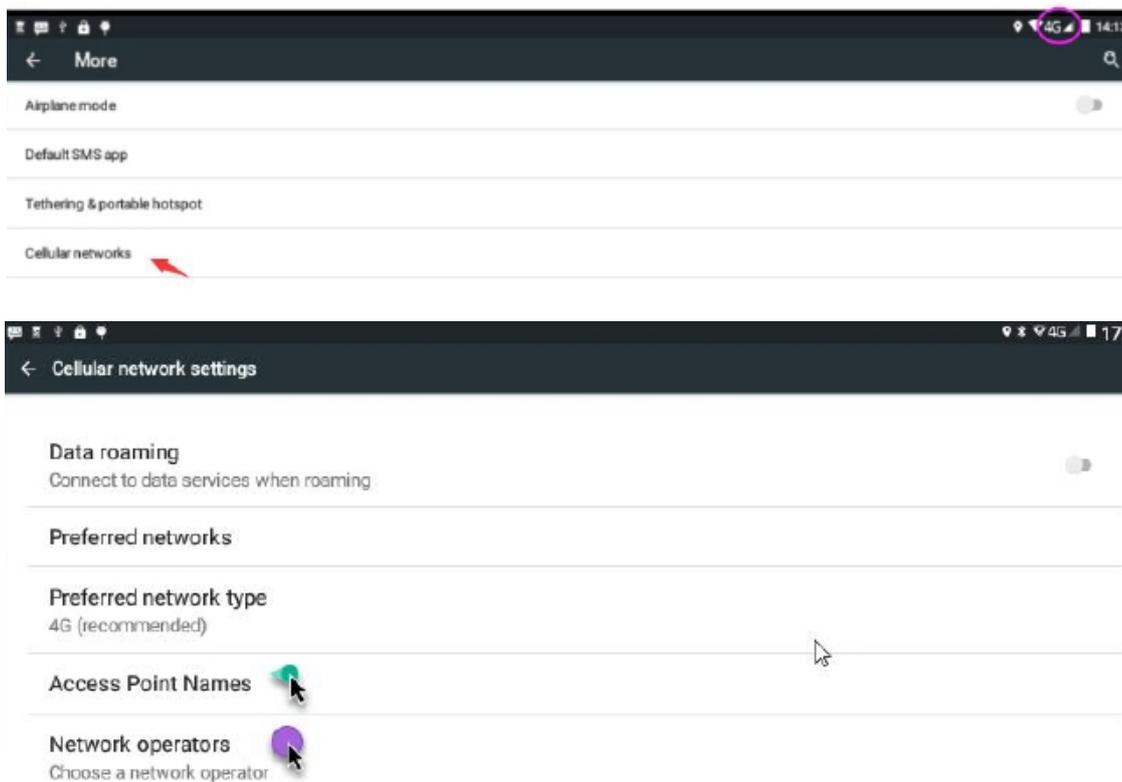
Attention: If you have not installed the SIM card or device not detect SIM card, you can not set.

If wrong with APN/MCC/MNC, need to modify.


Monitor the details of Data usage real time.
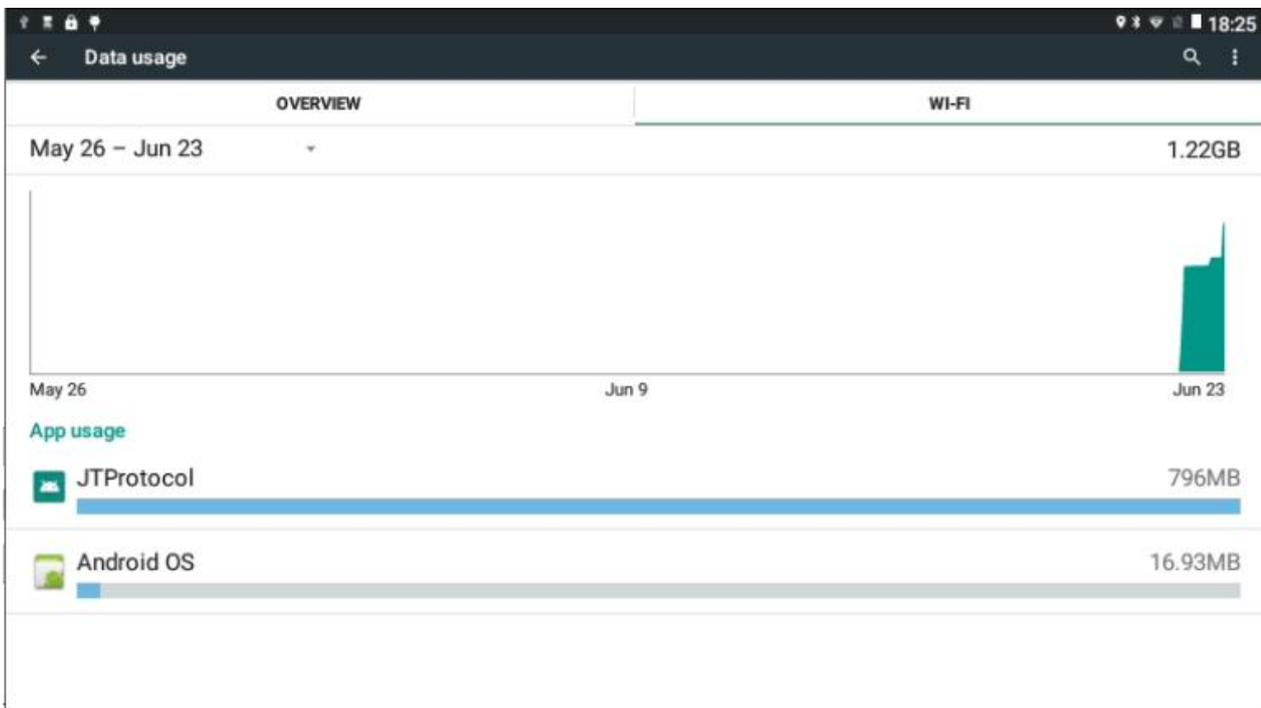
2. Check the storage status

It will list the device's and TF card rest storage status.
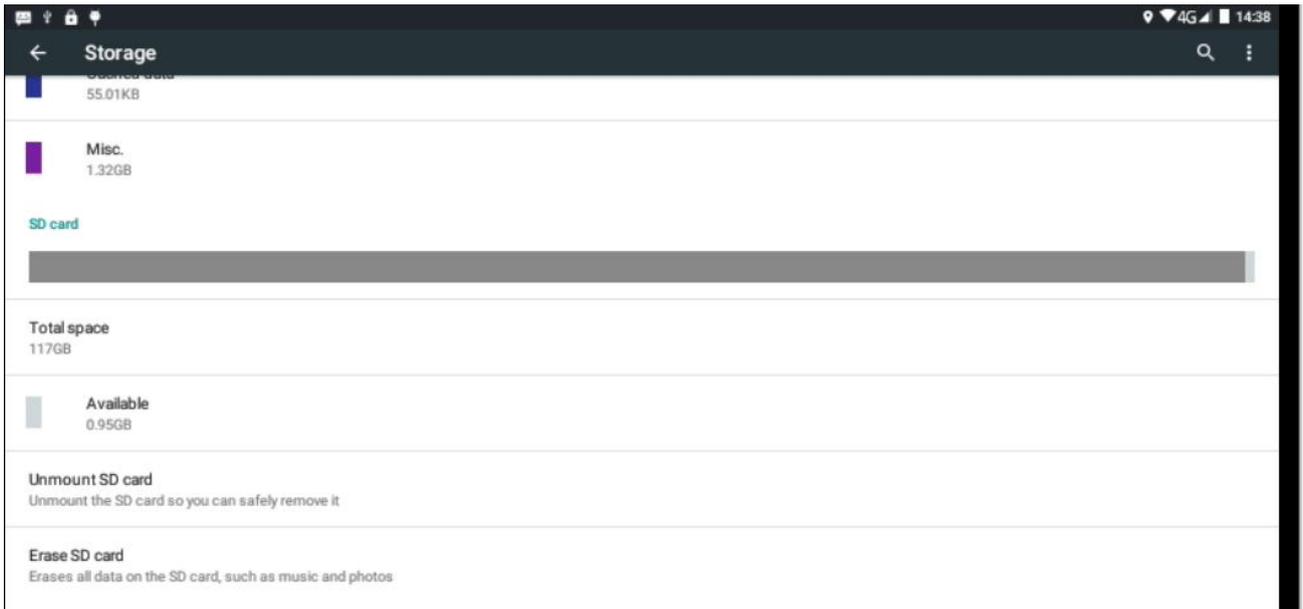
5.4 Get IMEI
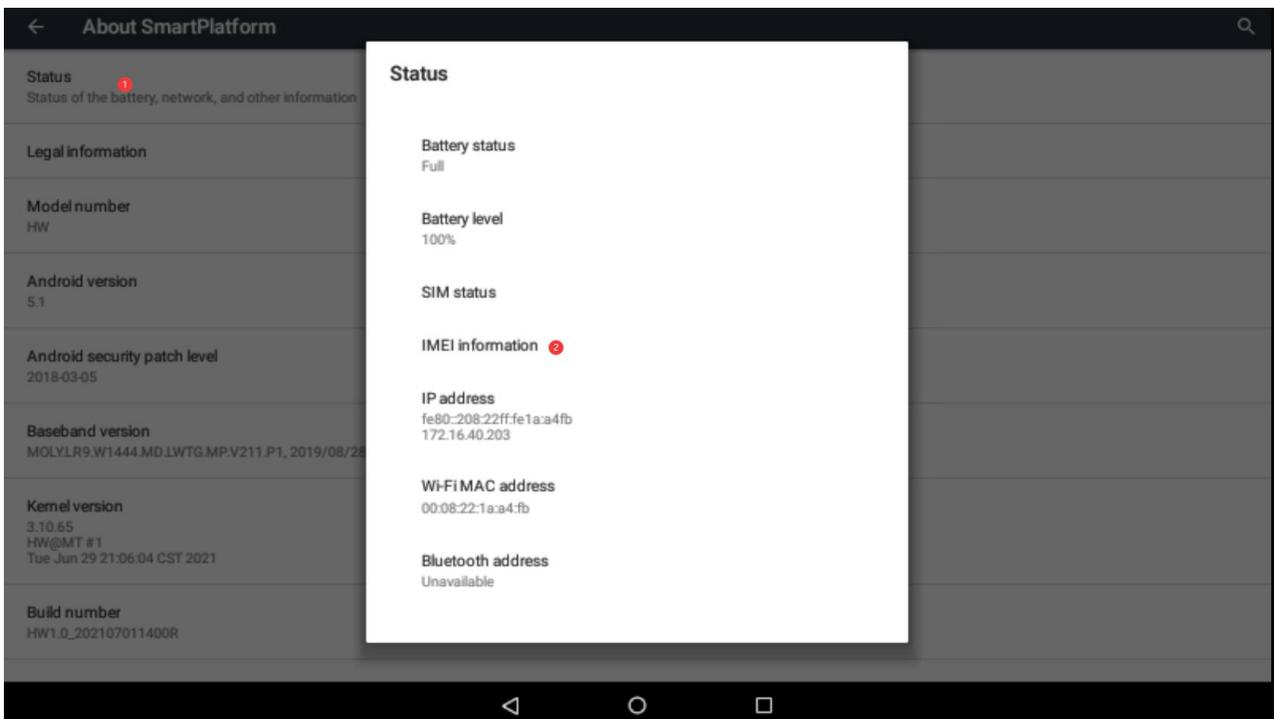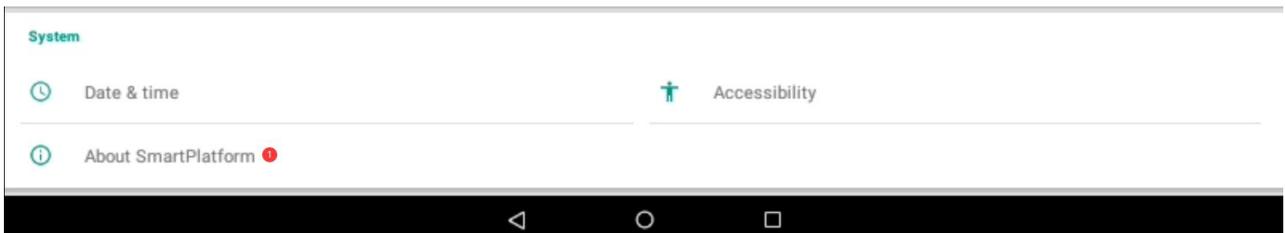
Mark down this IMEI, we will use this as device ID and add in Server platform.
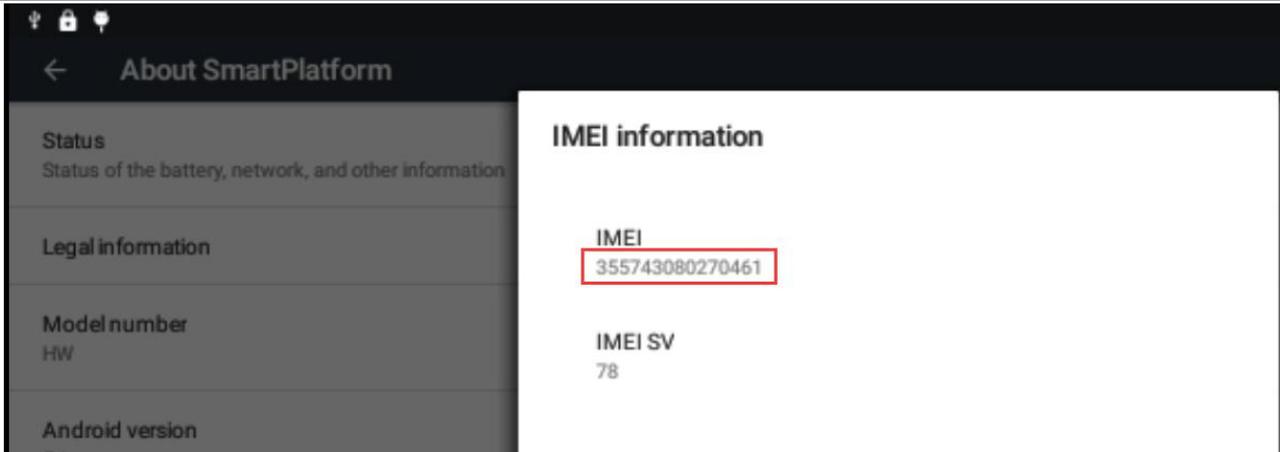
5.5 Factory test

Factory test: PCBA camera (front camera/back camera) and camera testing before leaving the factory. For this feature, it also can used for adjusting the angle of the recorder.
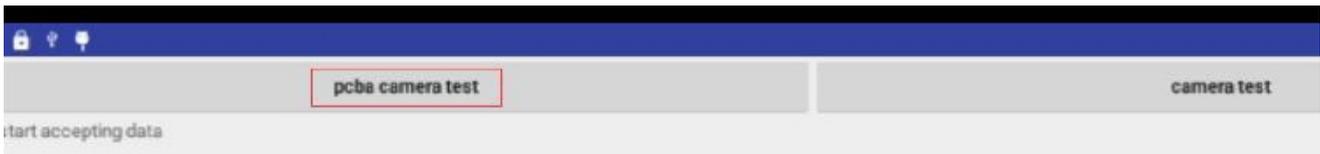

Click PCBA camera test, it will show 2 camera's preview image.
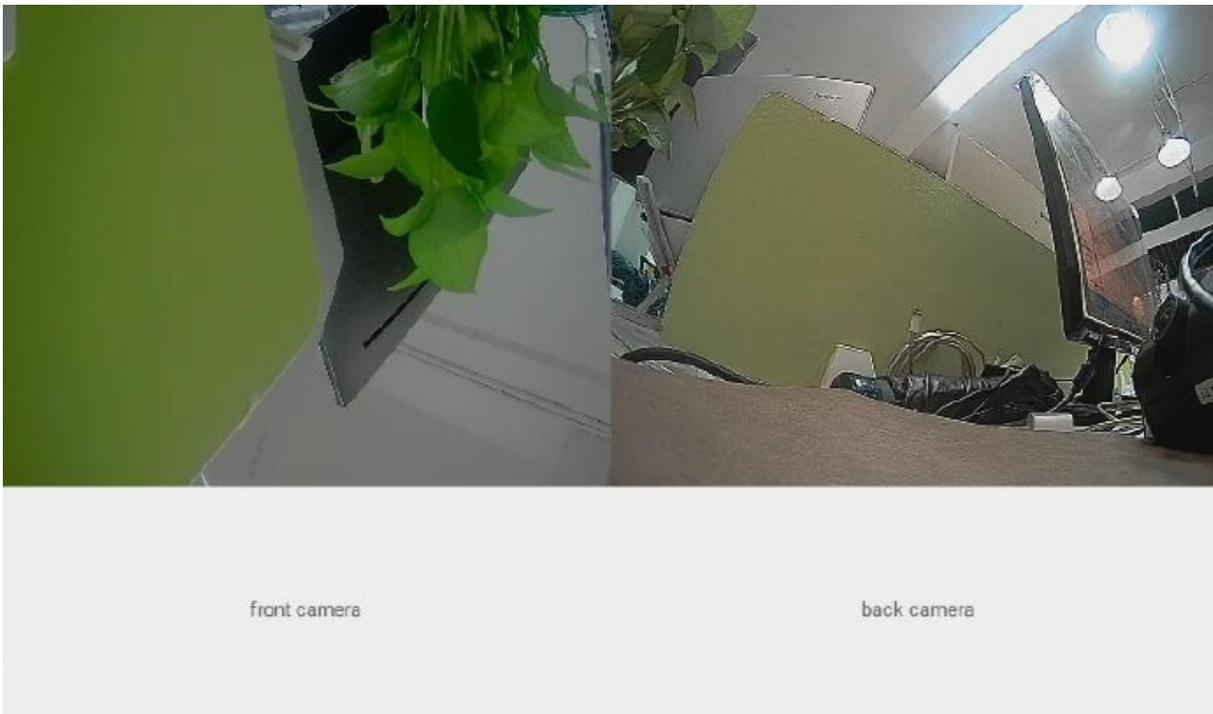
6. Instructions for Server Platform

6.1 Add Device in server

Go to Management--Vehicle, then click Add Vehicle.
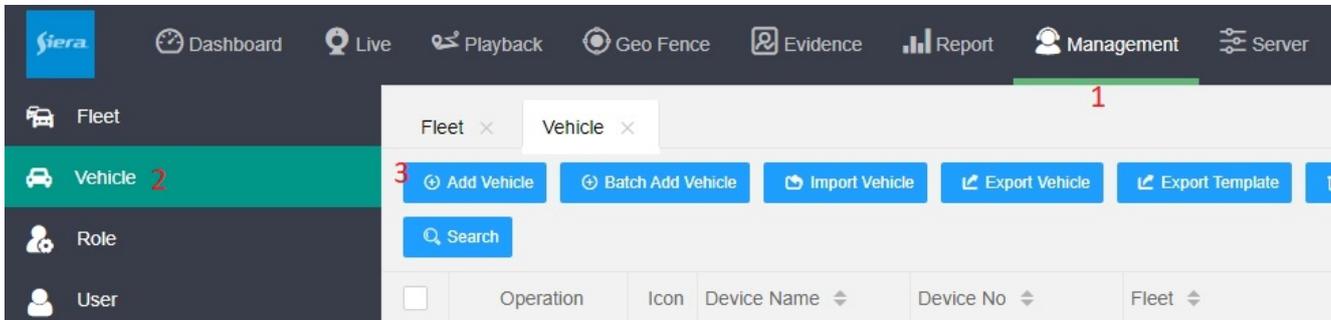
Input the IMEI which get from the device, then set the device type. Click save.

6.2 Real time Monitoring

The GPS location and video can be monitoring in real time in the live interface.
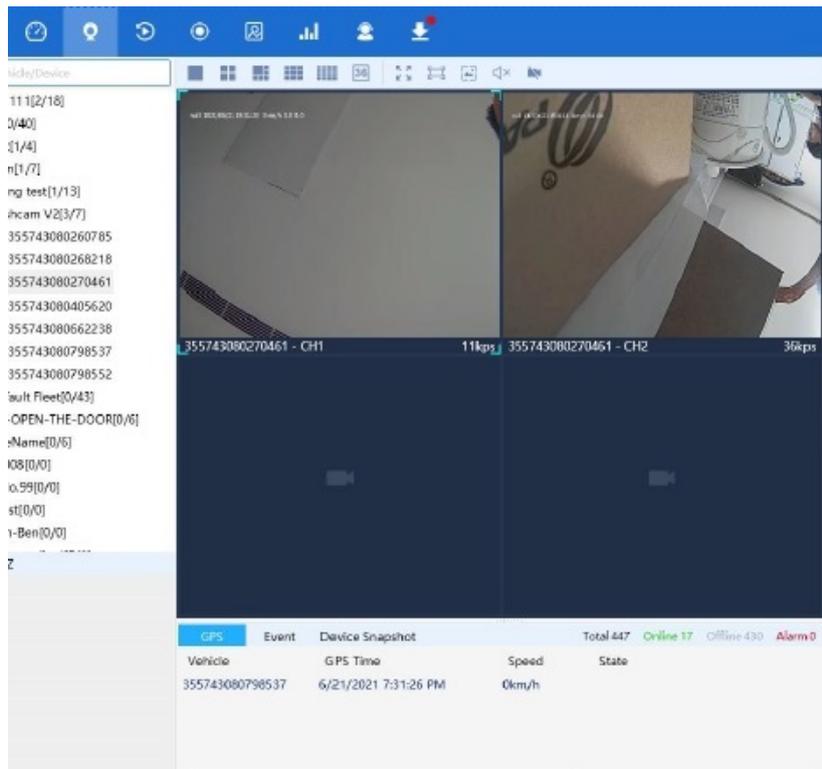
6.3 Playback

Query the history tracking route and speed profile by time, the tracking information includes Longitude, Latitude, Speed, Alarm status and ACC status etc.
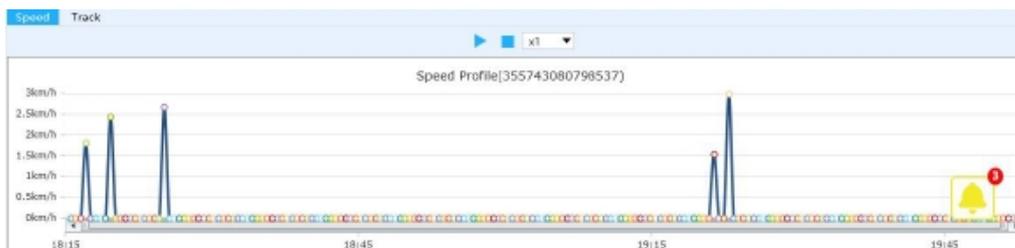
Query the history recording by time, CH1 and CH2 can be played separately or combined within the selected time.
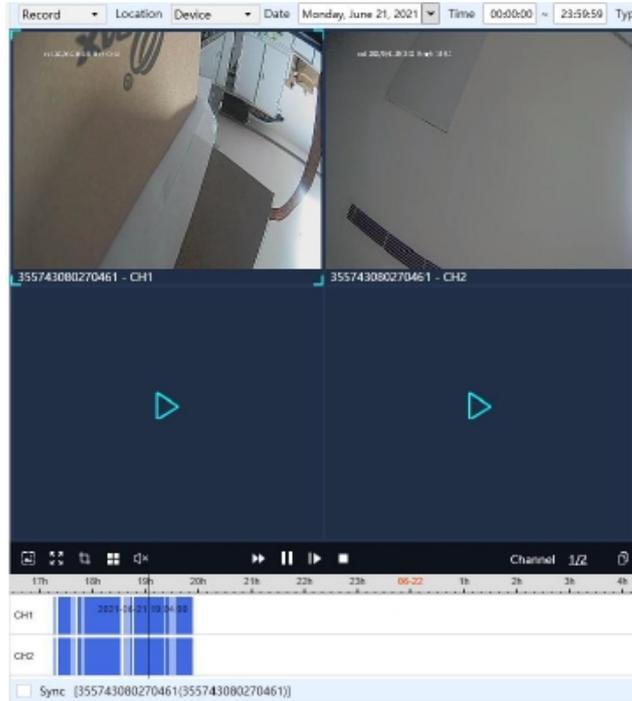
The recording from CH1 and CH2 can be downloaded separately or combined.
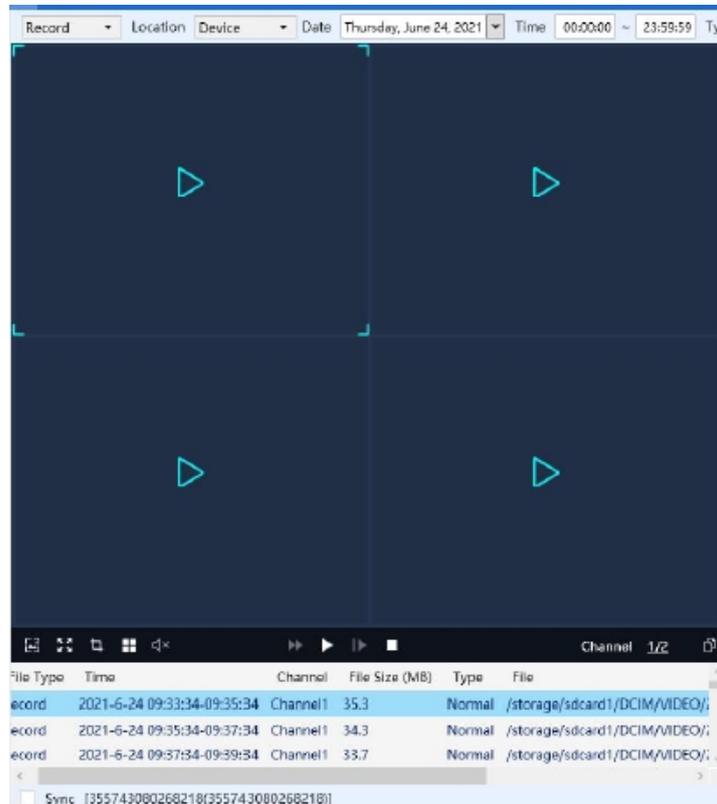
6.4 GPS and Alarm Reports

Query the GPS information from the GPS report, it includes GPS Time, Longitude, Latitude, Speed and ACC status etc.


Query the Alarm from Alarm report, like ACC and Panic alarm.
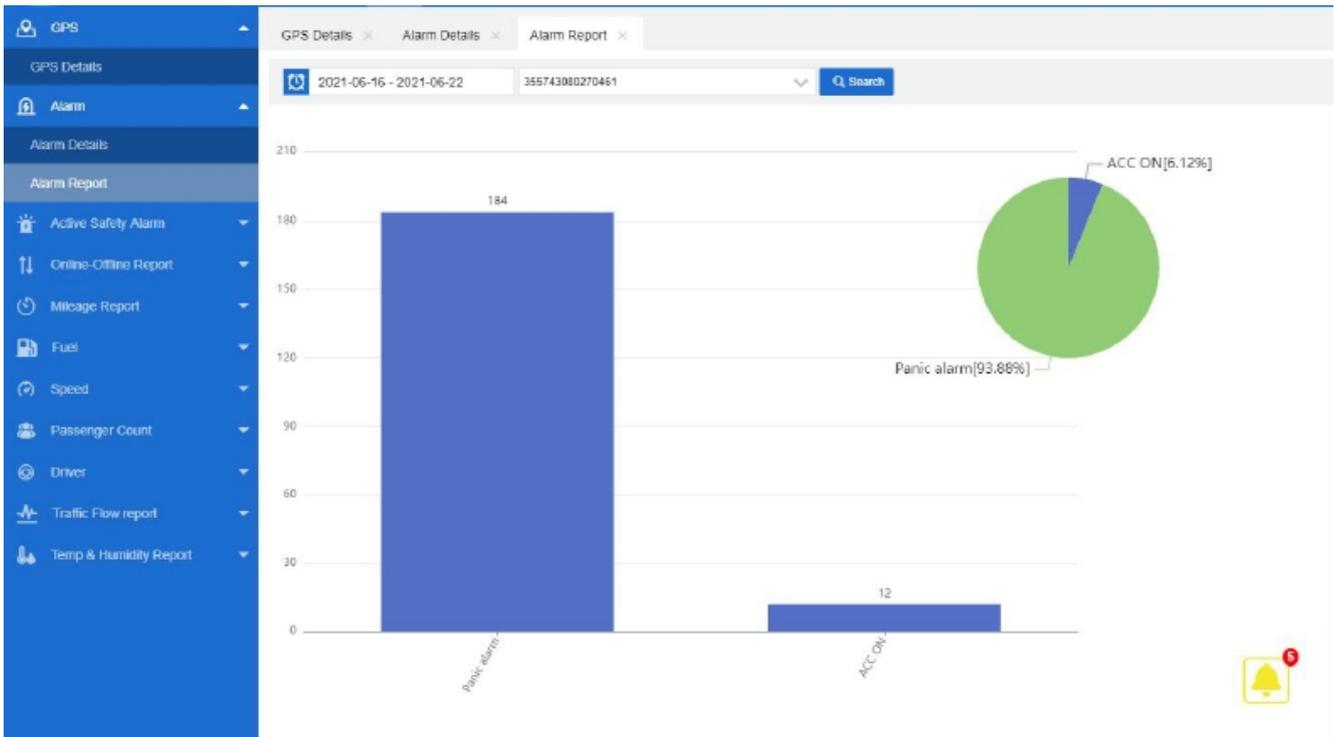
6.5 Parameters configuration

Right click on the online vehicle, it will pop up a window as below.
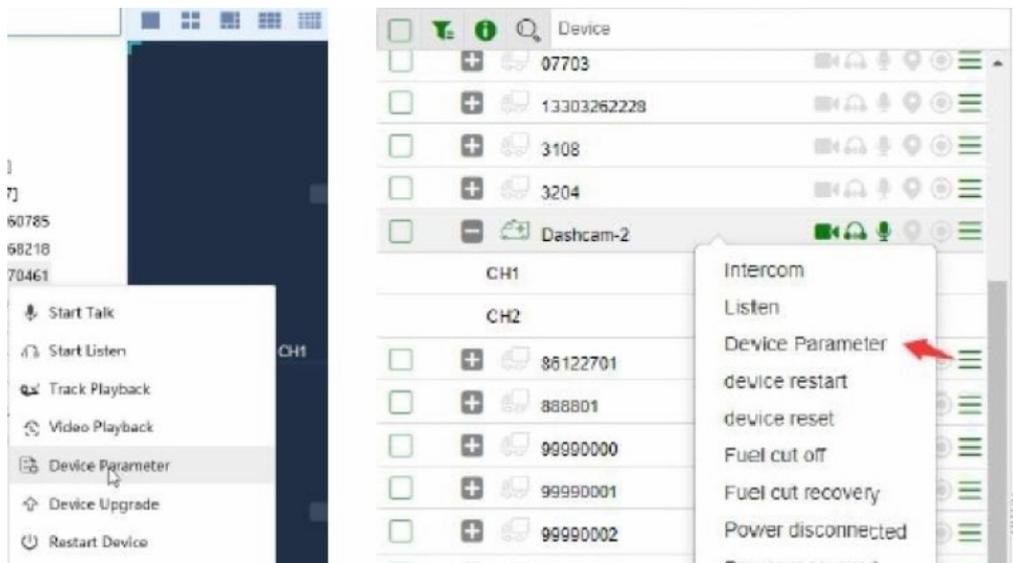
Click on "Device Parameters" to configure the relevant parameters.

6.5.1 System Configuration

①**Registration message**: Ignore it

② **Basic info**: Get the basic information about device.

ICCID: N/A.

IMEI: The **device ID** when registered in Server platform.

Hardware version number: The hardware version of device.

Software version number: The firmware version of device.

③State Info

GPS upload interval: The GPS data uploading time interval, default as 30 seconds.

Alarm video upload automatically: Default as Yes, it will send video to the server if there is alarm triggered (SOS button).

Alarm time before the alarm(s): Record the video time before the alarm triggered, default as 30 seconds.

Alarm time after alarm(s):Record the video time after the alarm triggered, default as 30 seconds.

Alarm recording lock days: Alarm video stored days, default as 3 days.

6.5.2 Access mode

①Network Config

WIFI SSID: WIFI hot-sport SSID for WIFI communication [When it's connecting via WIFI, it will display as this]

WIFI Password: The password of WIFI.

Server address or domain name: Your Server IP address.

Server Port: Default as 33000.

②APN setting

MCC: Mobile Country Code, this code is used to identify the country on mobile telecommunications for GSM, LTE, CDMA, or UMTS communications.

MNC: Mobile Network Code,this code is used to identify the network on mobile telecommunications for GSM, LTE, CDMA, or UMTS communications.

APN Name: SIM card APN name, no need to set/change.

APN Port: APN info, configure the correct APN if use 4G communication model.

User Account: the user of the APN, if no user without fill.

Password: the password of the APN, if no password without fill.

Attention: Please check with your SIM card carrier for those details.

6.6 Alarm Strategy configuration

Attention: The default mode is Alarm videos upload automatically to Server. Normally, no need set this menu.


Unless you change it to NO. Then you can set as below

Choose the Alarm Type as Panic alarm by the check boxes on the left side. Set Vehicle, Client Response, download strategy, Alarm Push Service on the right side.
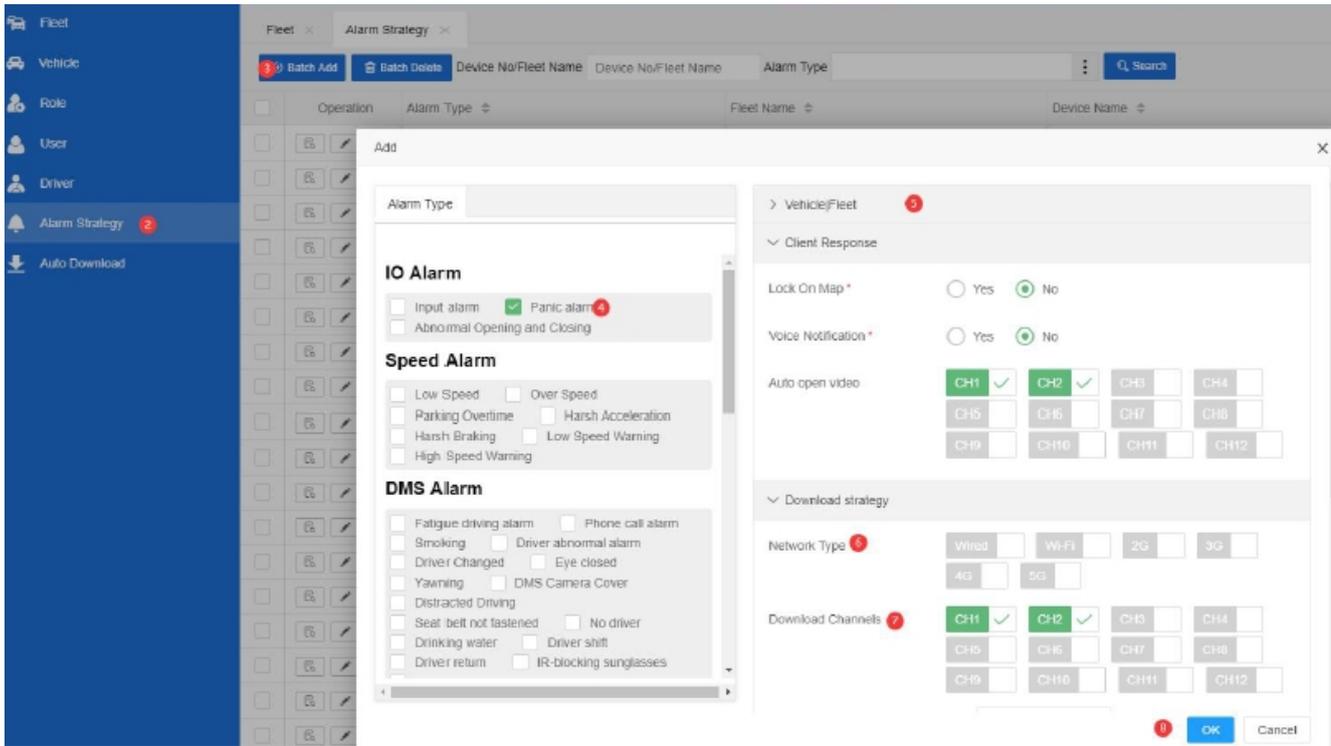
If there is SOS button been triggered, the alarm video will be pop up in the live interface as below.
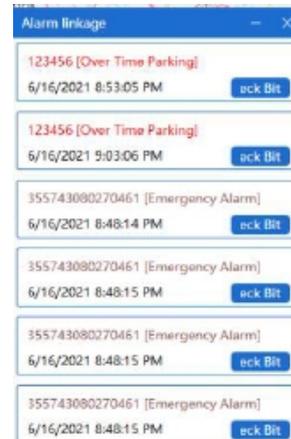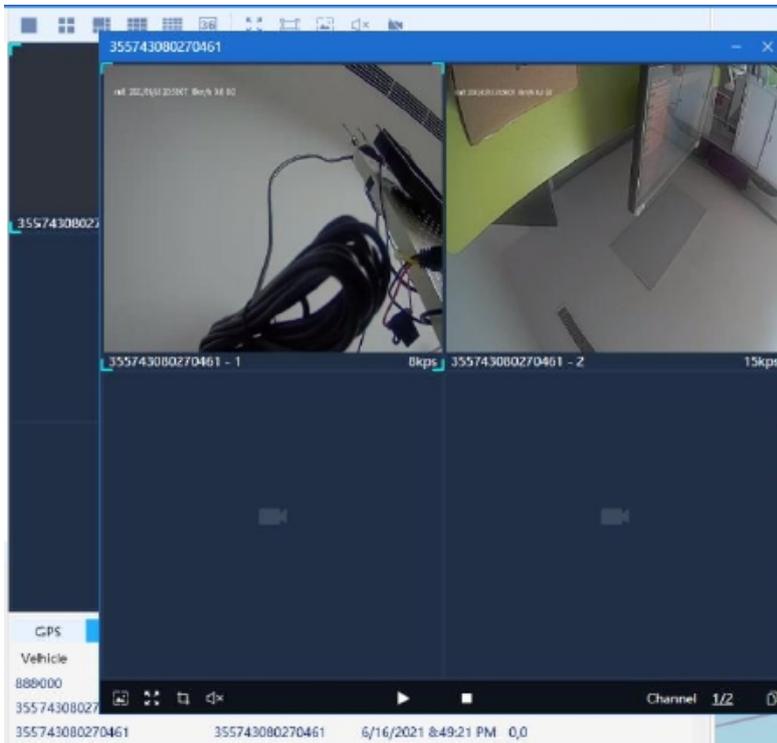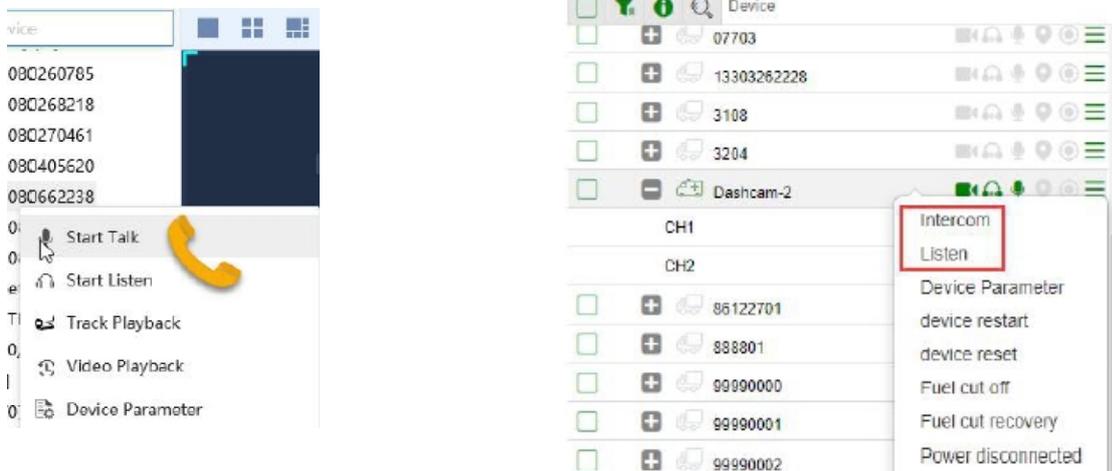
Start Talk: Launch the two-way audio communication with the driver.
Start Listen:Monitor the drivers.

7. Video playback of memory card

You can take the TF card and connect to PC, then check the files in Video folder. You can playback it directly via the media player.
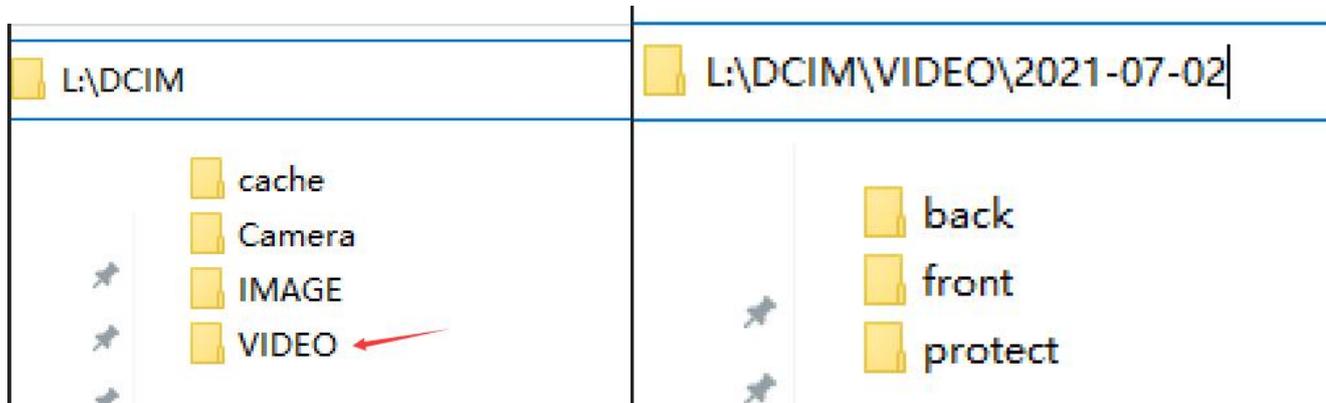
8. FAQ

| Failure Phenomenon	Operate suggestion
What's the LED color means?	1. Green: Works normal. 2. Red: Some issue with SIM card/TF card/Network
Dust-free adhesive tape is not firm	Please wipe the car glass clean. When sticking the dust-free adhesive paper, you need to press it firmly
The recorder does not turn on	Please confirm whether the power cable is plugged in tightly and whether the power cable is properly connected Ensure that the external power supply is well
No recording starts after booting	Please confirm whether your memory card is a genuine memory card purchased through official channels, which meets the recorder's capacity and grade requirements for the memory card (above class10) or format the memory card
Interrupt sudden during record video	Please format the memory card, or replace the memory card that meets the requirements (class10 or above)
Blurred video	Please confirm whether the windshield of the car is stained Please confirm that there are stains or obstructions on the recorder lens
Corrupted video during recording	Please replaced the memory card purchased through regular channels