

CMSV6 operation platform

User manual


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1. Direction for use of PC client

1.1 Client login

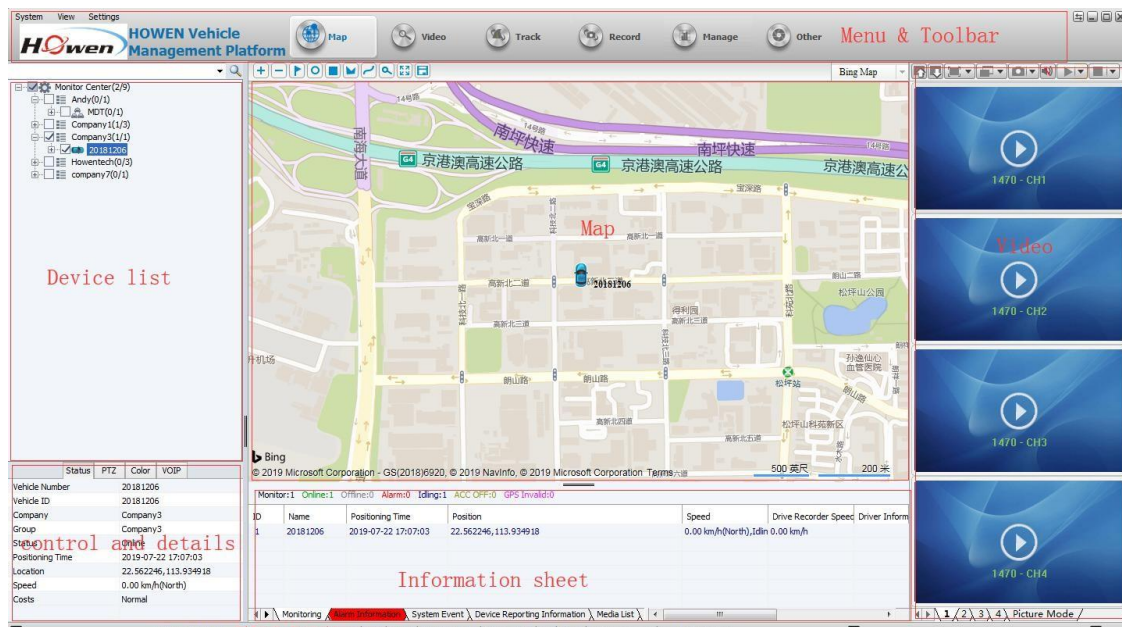


Double click the icon to login on , you can also search if there are lots of users by click the Search icon.



1.2 Introduction

The client main interface is mainly divided into six modules, Menu and toolbar, device list, GPS map, platform control and details, information sheet, and video.



Menu bar: Setting for the system.

Toolbar: Contains map, real-time preview, track playback, information management and other applications.

Map: It is used to view the equipment location and other information on the map.

Device list: Equipment list information.

Cloud platform control: Operate the cloud platform, such as the rotation of angle and the adjustment of focus, aperture, lighting and wiper.

A. Status: Select the current basic information of equipment

B. Colors: It refers to the colors related to the remote control equipment

(Orderly from top to bottom: brightness, contrast, chroma, saturation, exposure)

C. Voice: It is used to carry out the language intercom, monitoring and broadcasting

Information sheet:

A. GPS monitoring: It is used to monitor the real-time GPS positioning information of equipment, driving speed, alarm and status display

B. Alarm information: It displays the alarm contents .

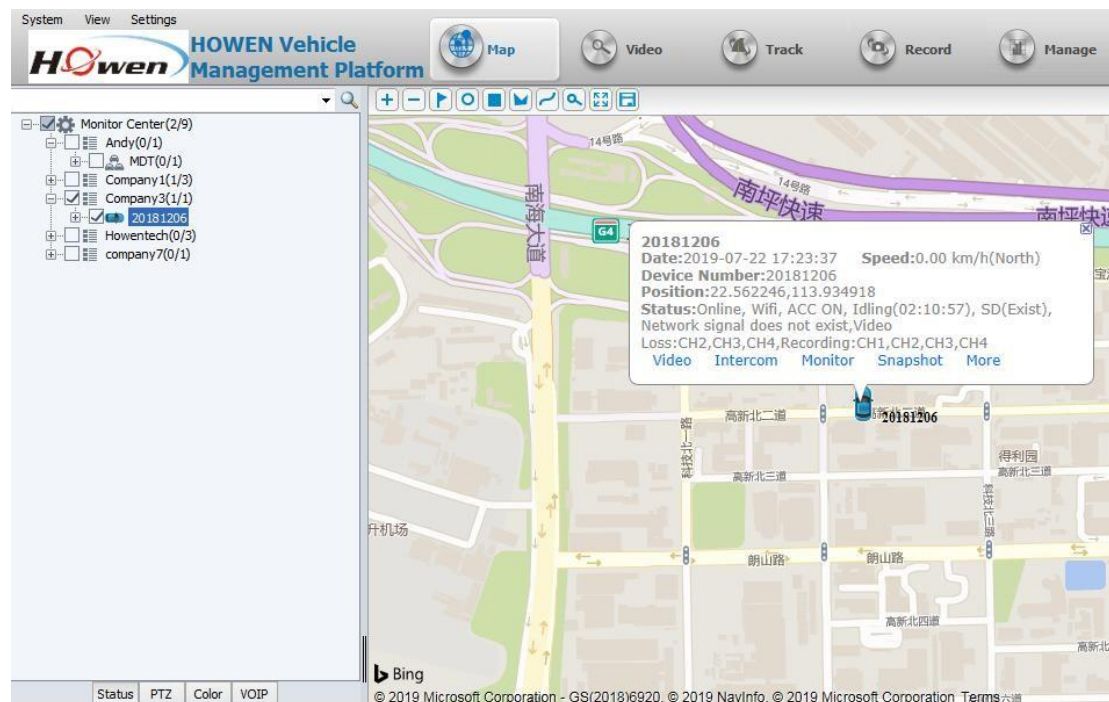
C. System events: It records the system events, such as the login, etc.

D. My map: It includes the records on point, surface and region marked by the user on the map

1.3 Map

Real-time monitoring against the equipment in the terminal list on the left can be conducted on the client and geographic location will be displayed on the map.

1.3.1 Map monitoring



1. Check the online device in the list, it will locate in the map and display the real-time information.

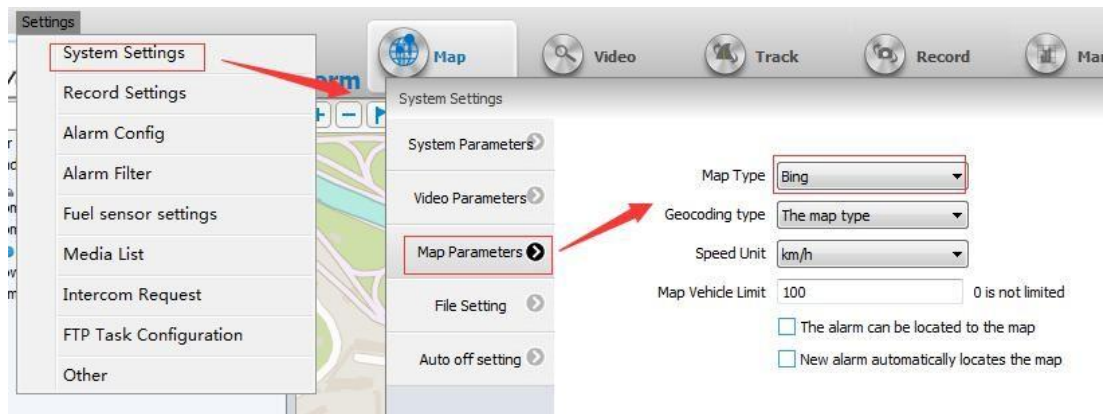
2. Or click on the vehicle icon, the detailed information about device will be displayed on the map, including equipment name, current running speed and date, mileage of the same day, total mileage, drive information, location and alarm information; In addition, such functions as video, talkback and monitoring are enabled.

3. Change map

1) There are three options: Baidu Map, Google Map (need to **pay the Google API key**), and Bing Map.



2) Click the "setting" -> "system setting" on the menu bar or switch the map for entering.



4. Map operation











Zooming: The user can drag the up and down scroll bar on the left of map or click "+" and "-" buttons to zoom in and zoom out the map.

Map/satellite: The user can use these two buttons to switch and view the driving status of equipment under the map or satellite mode.

Equipment in the center: After ticking the equipment to be monitored in the equipment monitoring list, this equipment will be displayed in the center.


Introduction to button function on the electronic map:

Icon	Function Introduction
	Measuring distance

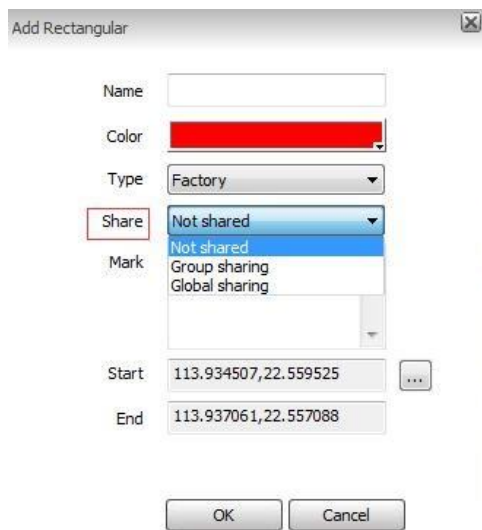
	Pull box zoom in
	Pull box to zoom out
	Add the customized point (fixed point)
	Add the circular region
	Add the fence of rectangular region
	Add the fence of irregular graph region
	Add route
	Search the historical vehicle information passing through a certain region
	Map full screen display
	Set the current map position to the position by default when the client is opened

1.3.2 My map

Add the customized point, rectangle and polygon and add the line, and adopt the same operation. The following operation steps take the "add the rectangle" for an example.

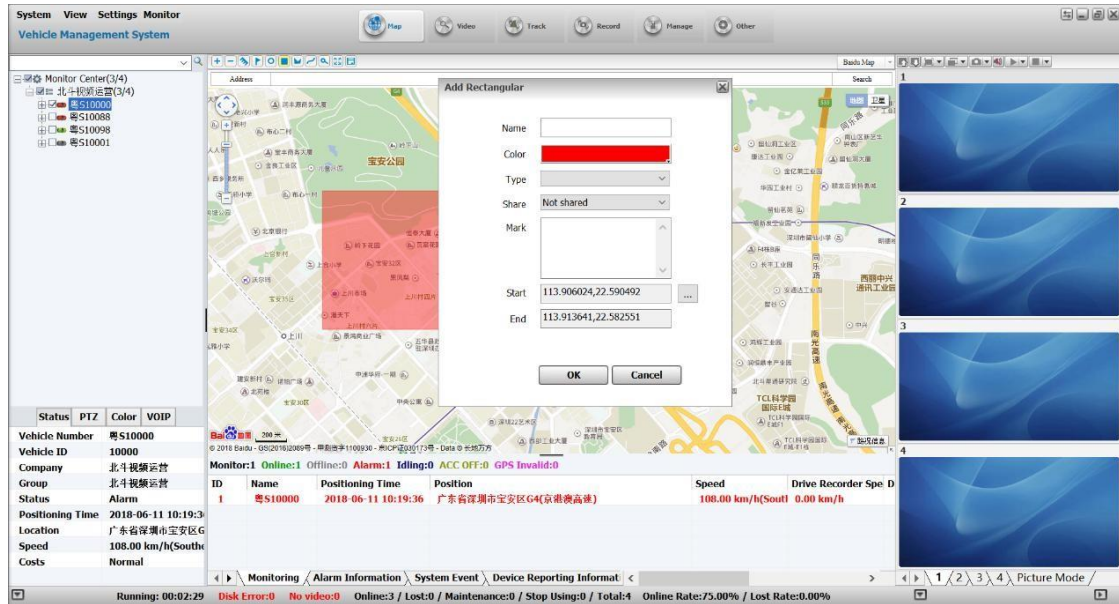
1. Click the "add the rectangle"  button and then drag the mouse on the map to draw the rectangle and pop up the "add the rectangle" window
2. Input the region name and select the region color to be displayed, and then select the region type and then input the description.

If the option - "**Share**" is selected, other users can view the current rectangular region set by the user, otherwise, other users will not view this region. Click **OK** to save it.

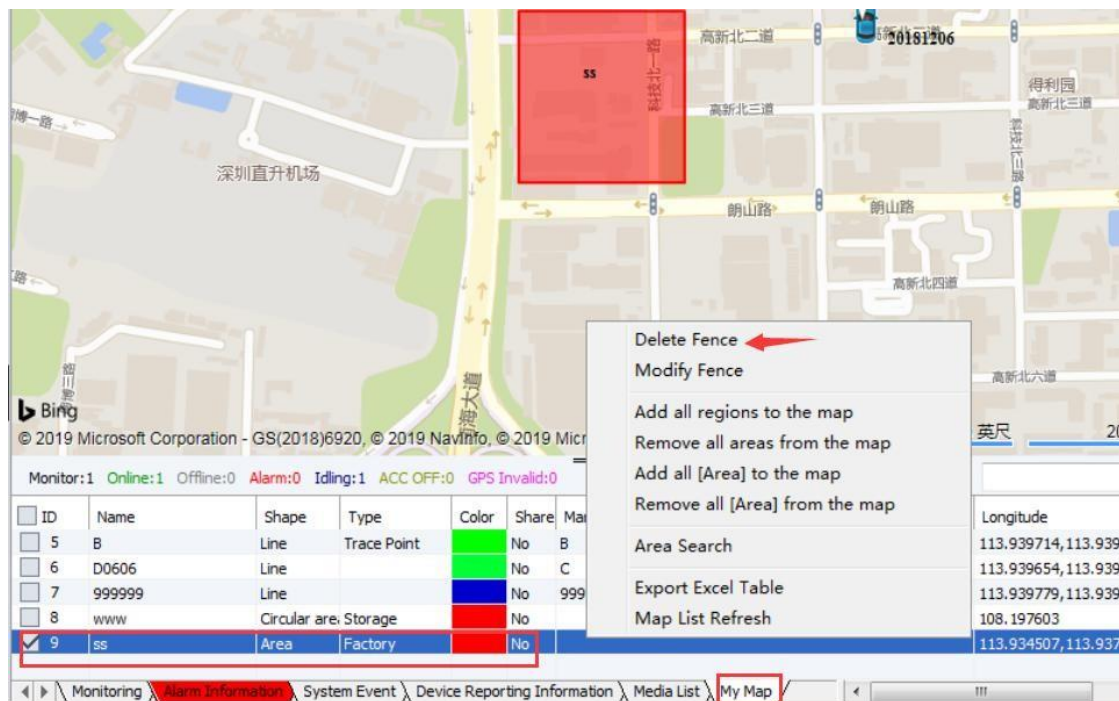


The screenshot shows a dialog box titled "Add Rectangular". It contains the following fields and options:

- Name:** An empty text input field.
- Color:** A color selection dropdown menu currently showing red.
- Type:** A dropdown menu currently showing "Factory".
- Share:** A dropdown menu currently showing "Not shared".
- Mark:** A list box containing "Not shared", "Group sharing", and "Global sharing".
- Start:** A text input field containing the coordinates "113.934507,22.559525".
- End:** A text input field containing the coordinates "113.937061,22.557088".
- Buttons:** "OK" and "Cancel" buttons at the bottom.



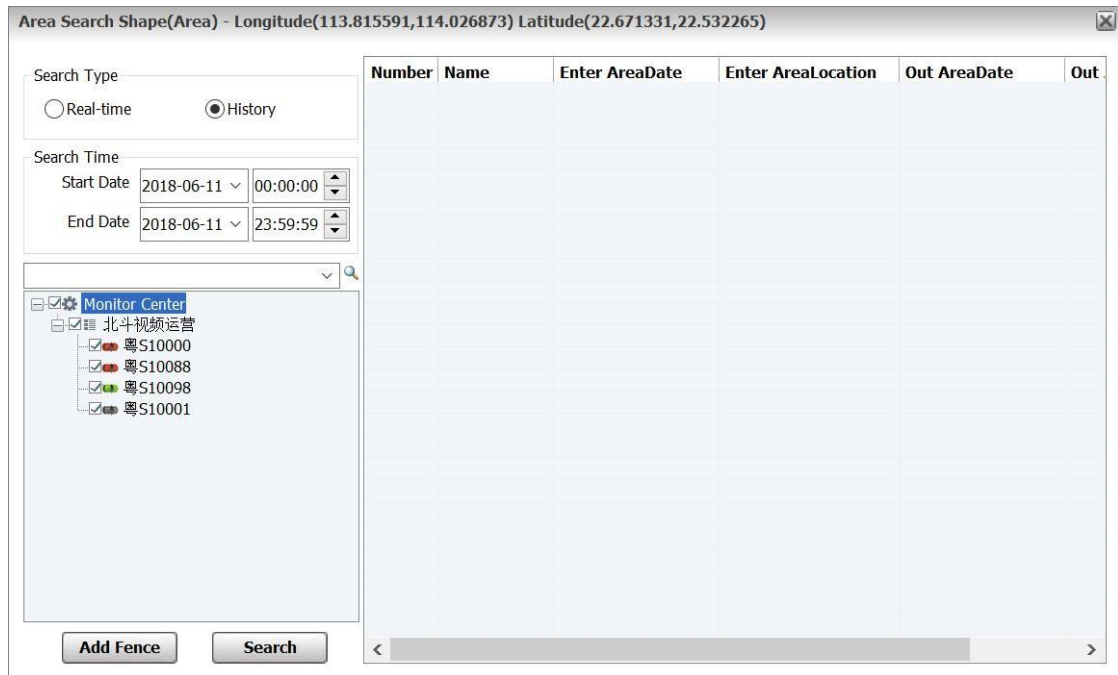
3. Remove and delete the electronic fence region



- 1) If you don't want to display this area on the map, just **Cancel** it.
- 2) Right click on it, you can delete it directly by the **"Delete Fence"**.

1.3.3 Region search

Click the **"search"** button and select the region and then drag the mouse on the map to draw the rectangle and pop up the "region search" window, as the figure below:



Set up the search conditions and click the "search" button, and if the vehicle selected in the drawn region drives, it will display in the list.

1.3.4 Information bar

Display: Definition of vehicle color, GPS monitoring, alarm information, system events, equipment report information, etc. As the figure below

ID	Name	Positioning Time	Position	Speed	Drive Recorder Spe D
1	粤S10000	2018-06-11 10:22:57	广东省深圳市宝安区G4(京港澳高速)	105.00 km/h(East)	0.00 km/h
2	粤S10098	2018-06-11 10:22:57	广东省深圳市宝安区G107(机场立交桥)	23.00 km/h(South)	0.00 km/h

Monitor:2 Online:2 Offline:0 Alarm:1 Idling:0 ACC OFF:0 GPS Invalid:0

Monitoring Alarm Information System Event Device Reporting Informat

1.4 Real-time preview

Log in client platform and real-time video preview in the video window can be realized by direct double-click of the equipment in the equipment list.

1.4.1 Introduction to video form toolbar



Frames of video window mode 1, 4, 6, 8, 9 and 16 are shown in the following figure



The page up and down function of video window is shown in the figure below



Video display ratio: 1-Display of full screen 2- 4:3 display 3- 16:9 display



Full picture display mode: Display the video on the video window in the manner of full screen



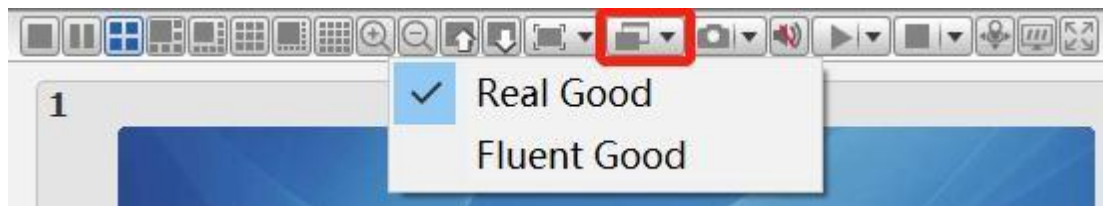
4:3 display ratio: Video is displayed based on aspect ratio of 4:3



16:9 display effect: Video is displayed based on aspect ratio of 16:9



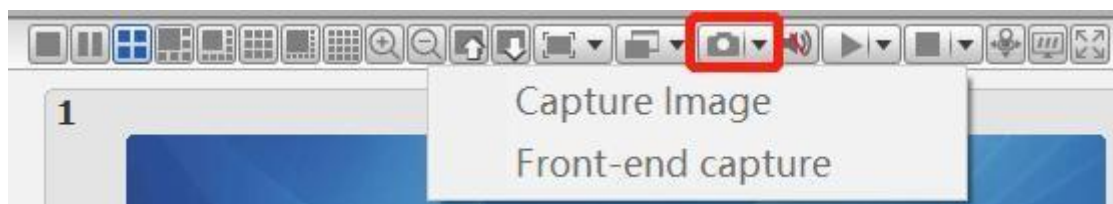
Selection of video display mode:



Good real-time: Giving priority to ensuring video instantaneity

Good fluency: Giving priority to ensuring video fluency

Snapshot:



Snapshot picture: Snapshot the picture on the client (first open the video preview)

Front-end snapshot: Snapshot the picture on the equipment end (do not need to open the video preview)

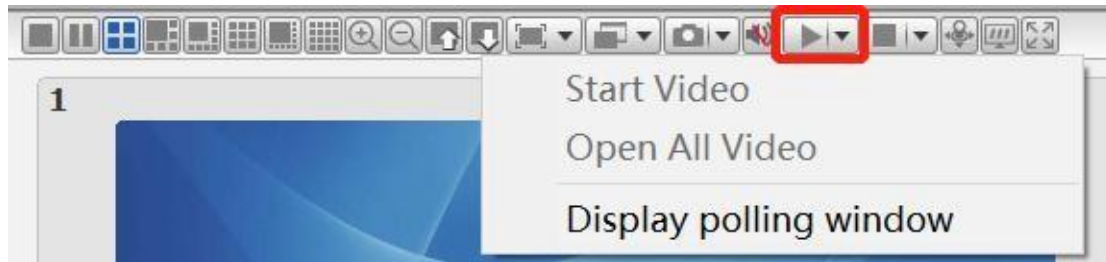
Execute the picture snapshot operation on the equipment (the equipment software version is required), and if there is no SD card or hard disk (memory equipment) installed on the equipment, the snapshot will not be successful .

Sound:

Close and open the sound



Open the video:



Start up the video: Start up the default video on the current focus window (as the last time of playing the video channel on this window).

Open all videos: Start up the default video on all windows.

Stopping videos:



Stopping videos: Stop the video on the current focus window.

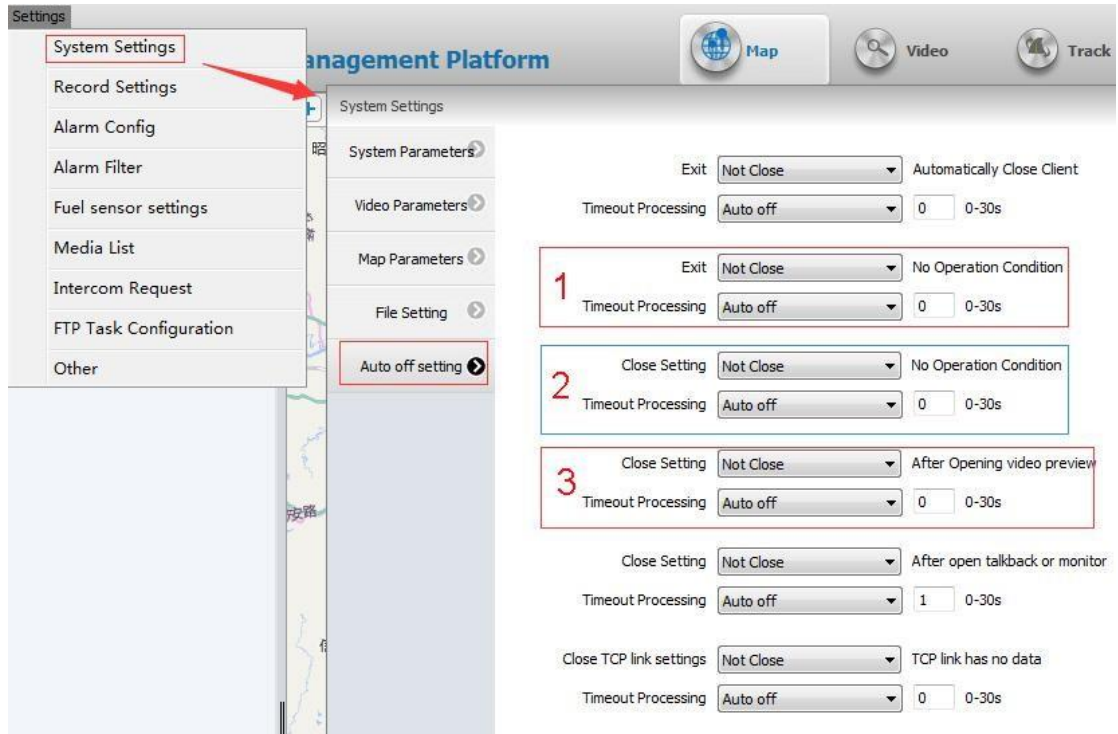
Stop all videos: Stop the video on all windows.

Clear data: Clear the memory video channel information on the current focus window.

Clear all data: Clear the memory video channel information on all windows.

1.4.2 Turn-off live streaming automatically

For saving the data cost of your SIM card, we can make a setting. Go to **Settings--System setting--Auto off setting**.



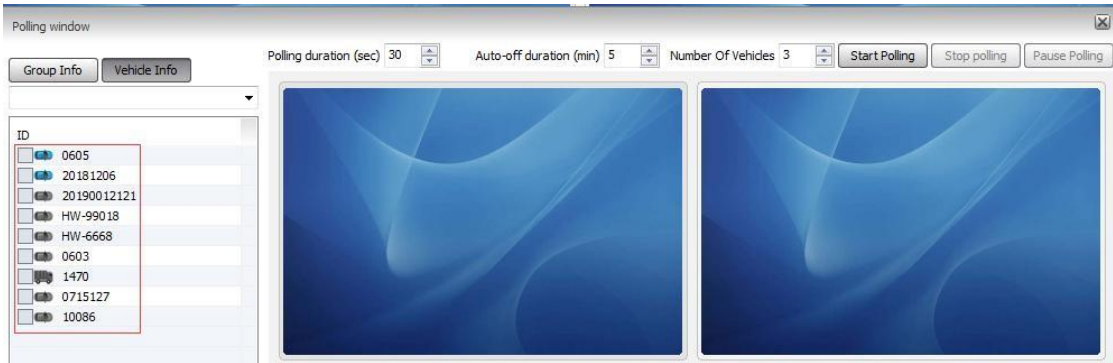
1. Turn-off CMS client when there is no operation.
2. Turn-off live streaming when there is no operation on the CMS client.
3. Turn-off the live streaming automatically after you opening the live streaming.

Attention: 0s means turn on all the time.

1.4.3 Video Polling



Check the devices that need to poll, then set other parameters.

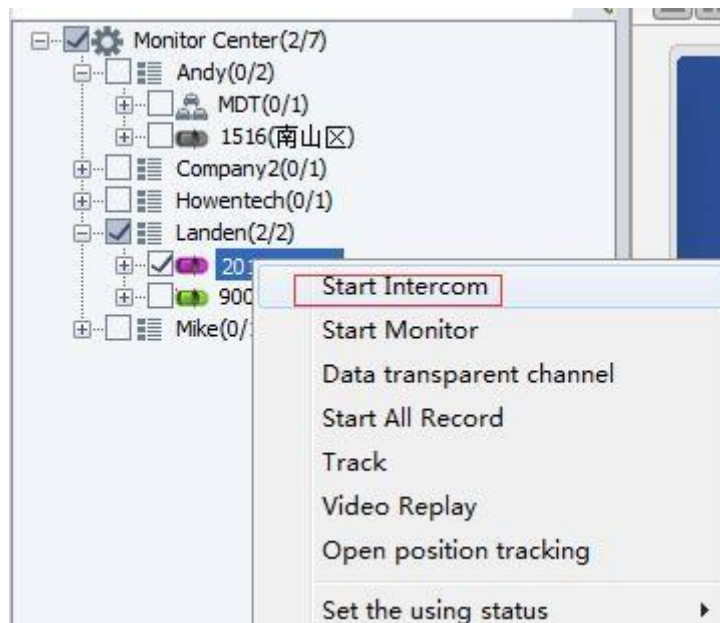


1.5 Voice Intercom and Monitoring

The user can carry out monitoring and intercom to manage his equipment on the client side.

1.5.1 Voice Intercom---*Three options*

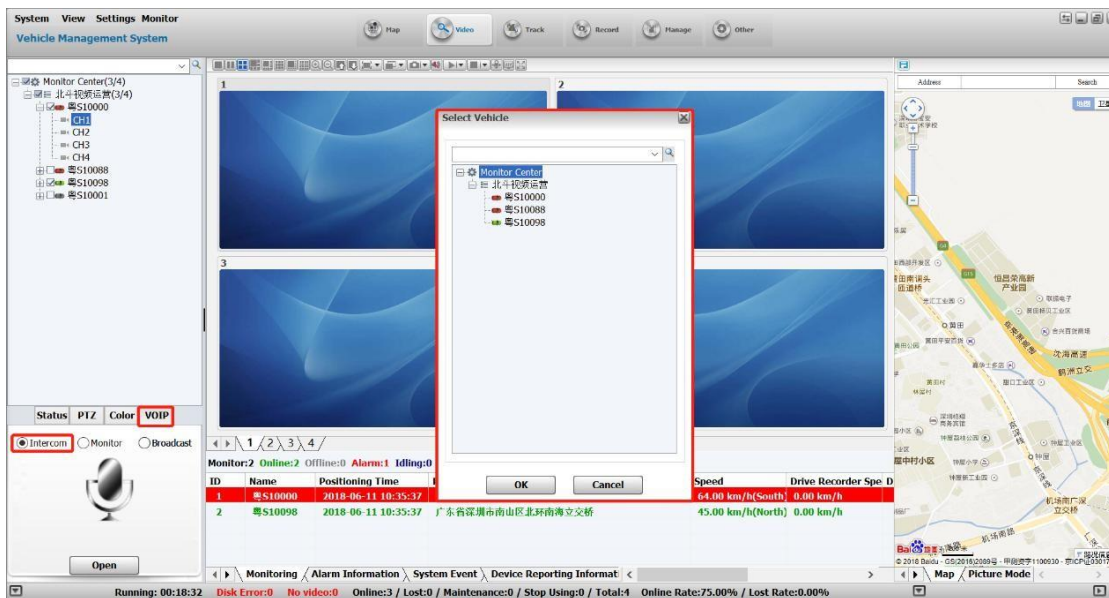
A. Select the channel of the equipment to be talked back in the terminal list, right-click and select **"Start Intercom"** from the menu that appears.



B. Open the real-time video preview of the equipment, or right-click to pop up the menu, which can also select the intercom option.



C. Select the intercom function first, then select the equipment

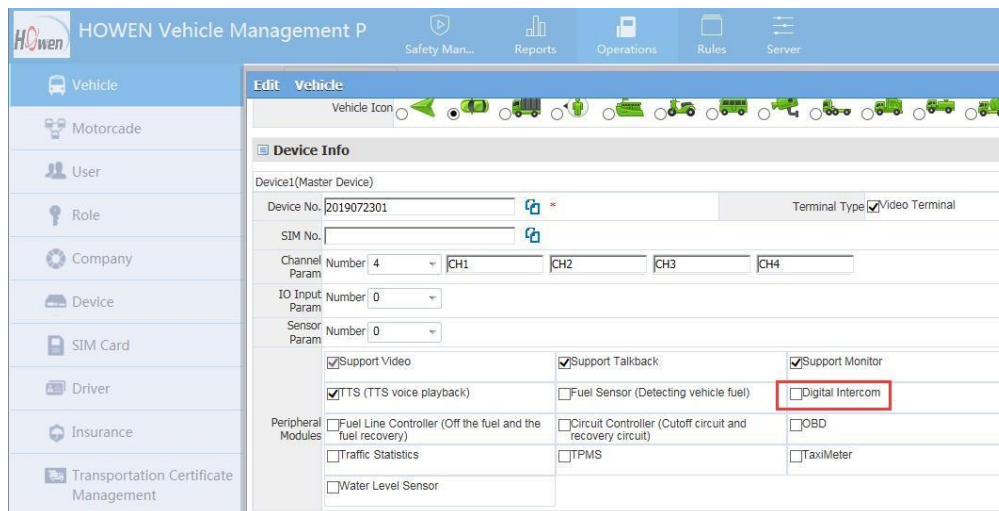


After opening the intercom, the pop-up interface is as shown below:



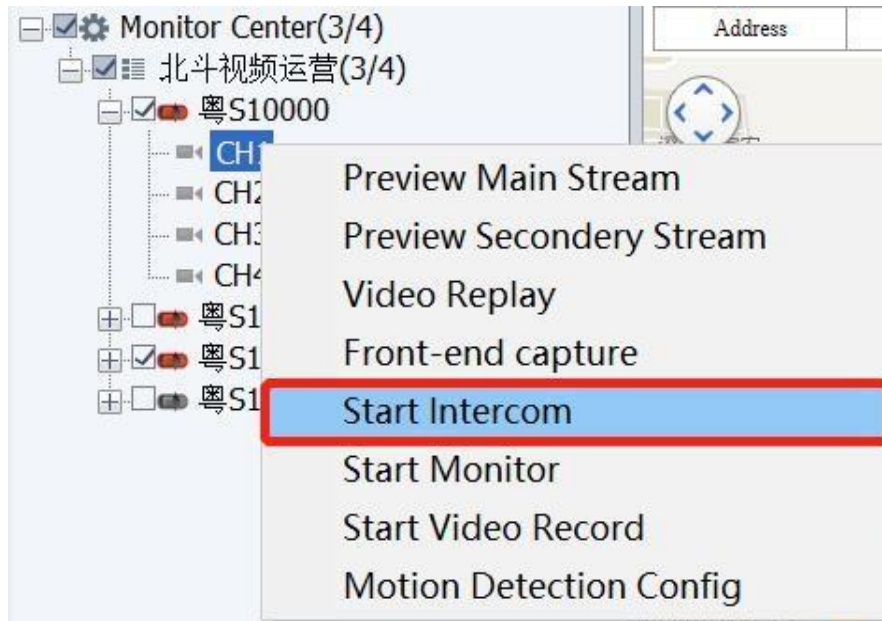
1.5.2 Digital Intercom

You need to install digital intercom equipment on the equipment side and select the peripheral modules on the equipment information option card at the same time.

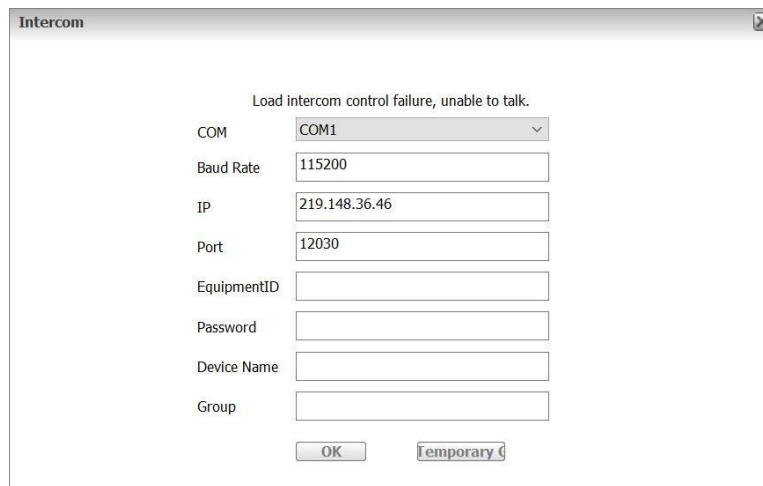


1) Client side digital intercom operation

Select the equipment, right-click and click "Start Intercom" in the menu

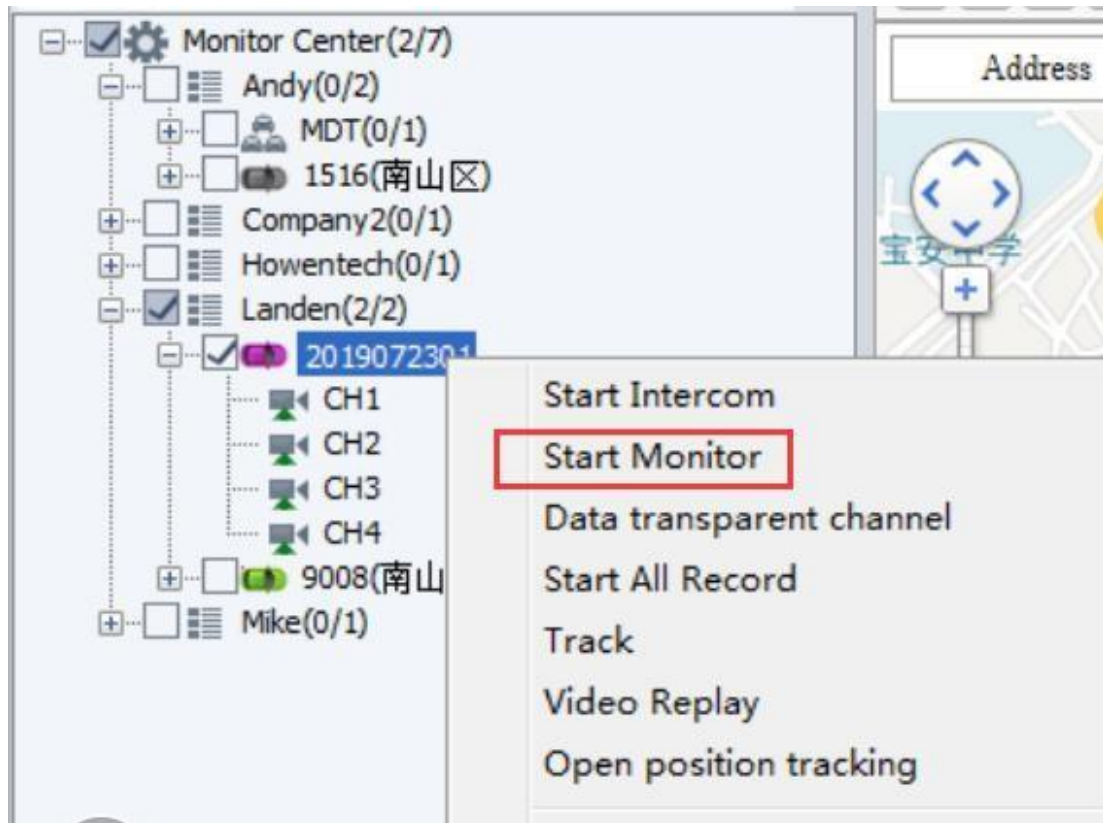


Digital Intercom page

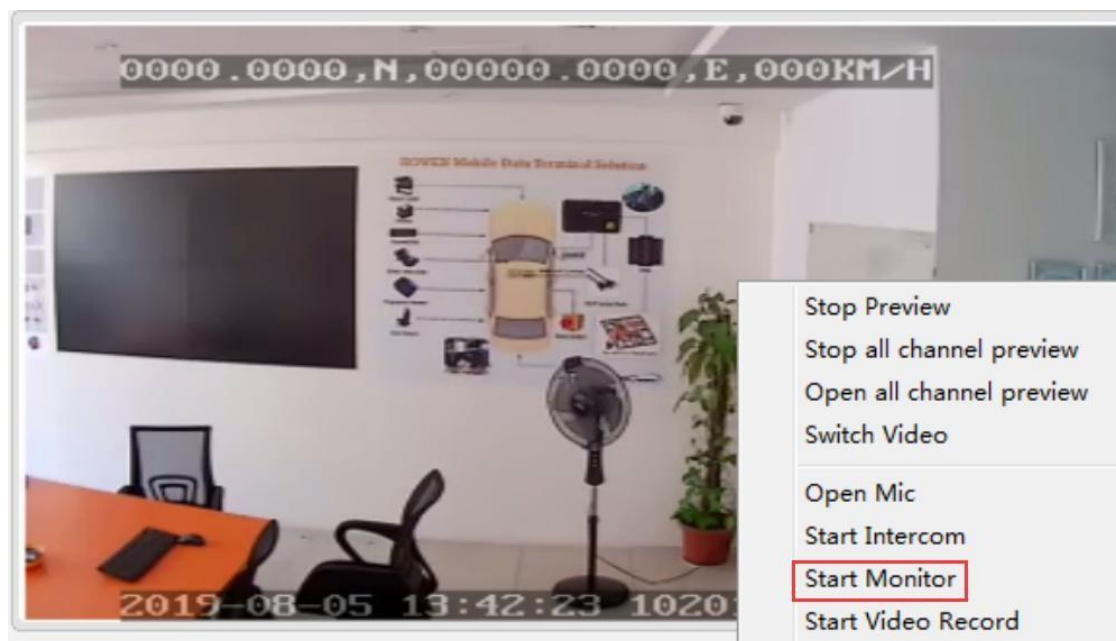


1.5.3 Monitoring

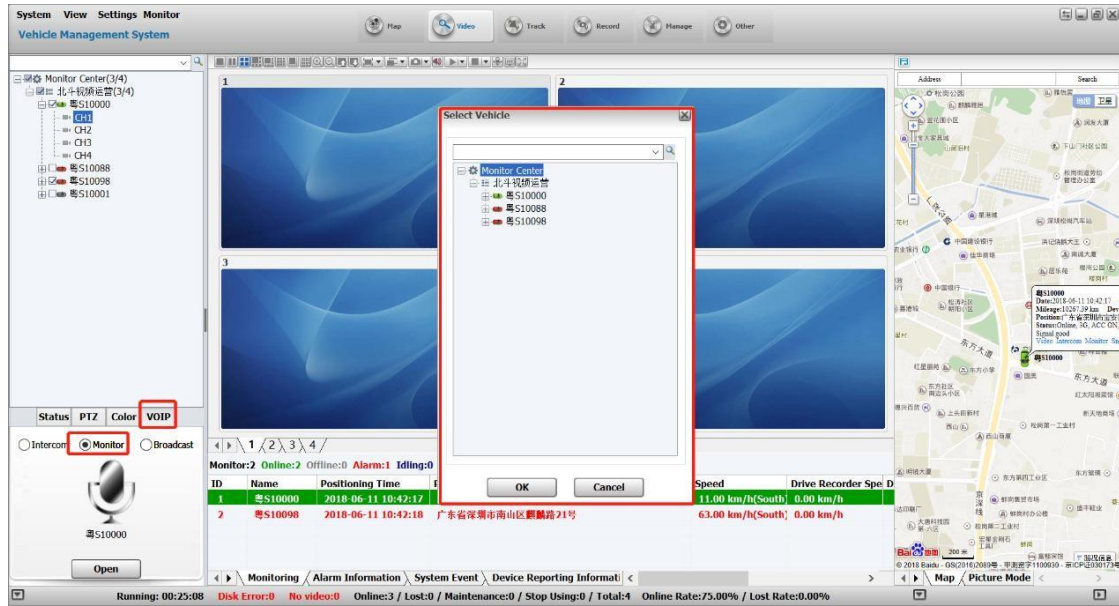
A. Select the equipment to be monitored in the terminal list, right-click and select "Start to Monitor" from the menu that appears.



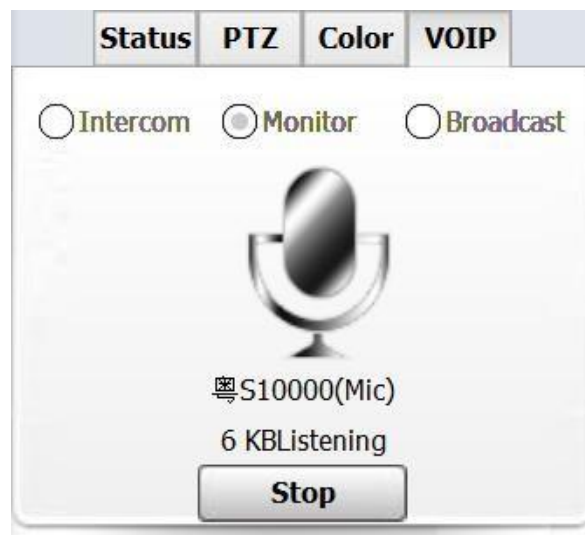
B. Open the real-time video preview of the equipment, or right-click to pop up the menu, which can also select the monitor option.



C. Select the monitor function first, then select the equipment

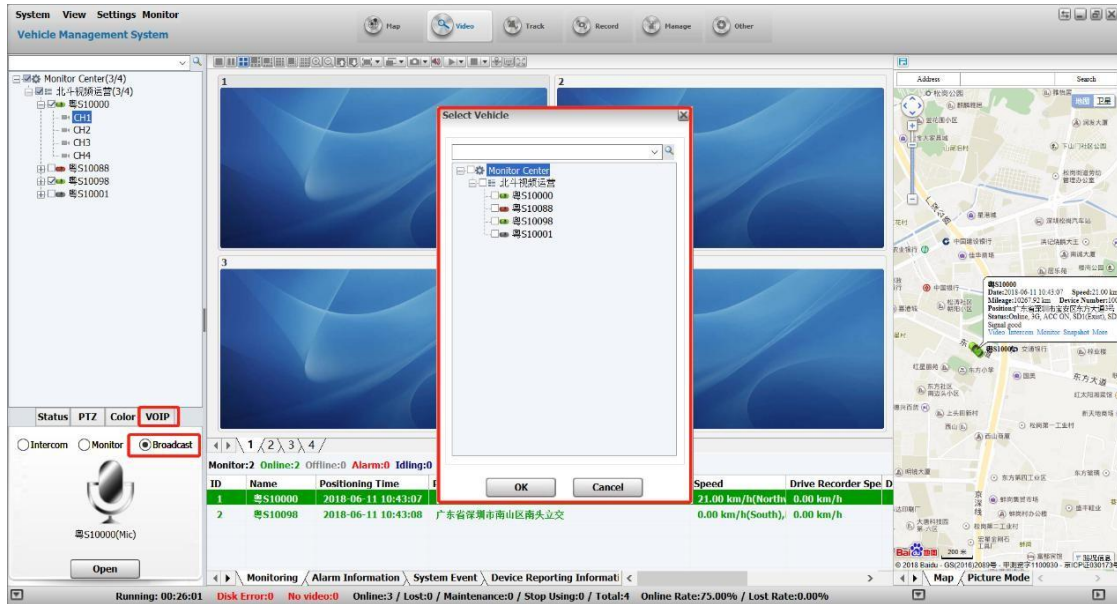


After opening the monitor, the pop-up interface is as shown below:



1.5.4 Broadcast

- 1) Select the equipment to be broadcast.

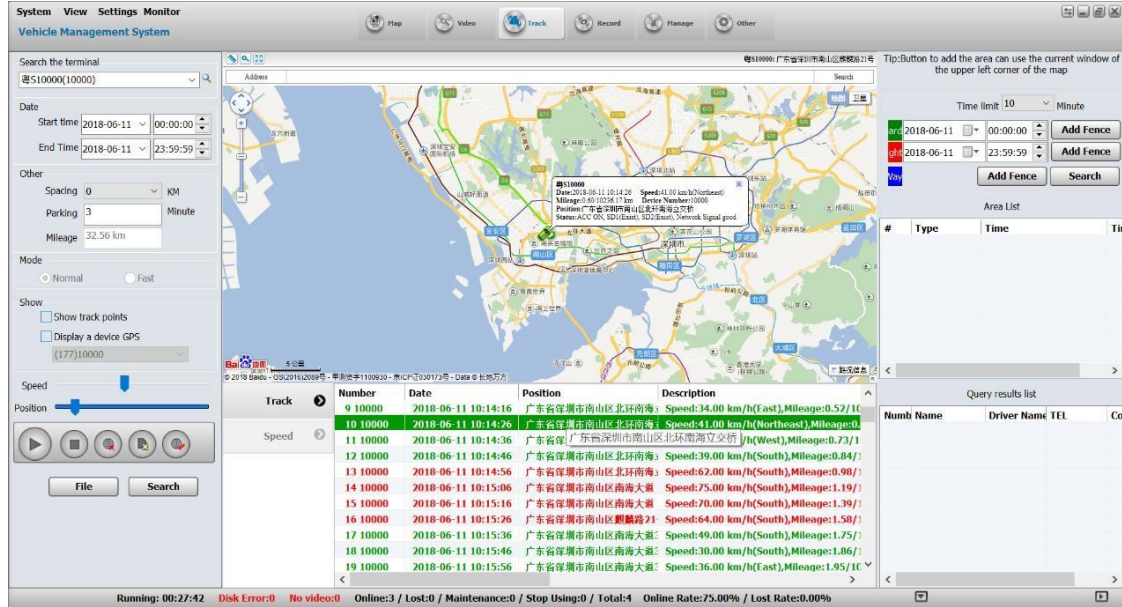


2) After turned on the broadcast, the following figure is displayed



1.6 Track Playback

The user can specify the equipment to search for the trajectory according to the specified conditions, and export the related data as required.



Interval: Upload a GPS data on every selected interval. If it is 0, upload a GPS data for every 10 seconds.

Stop interval:

0: Search for all parking GPS points and show them

None 0: In case of continuous GPS parking spot, only the last GPS parking point data is uploaded to the platform.

Distance: Total mileage of the current vehicle on the day

Display:

Time: If checked, the time on the right side of the map will show the time of each GPS point of the vehicle (every selected interval represents a GPS point)




Speed: If checked, the driving speed on the right side of the map will show the time of each GPS point of the vehicle (every selected interval represents a GPS point)

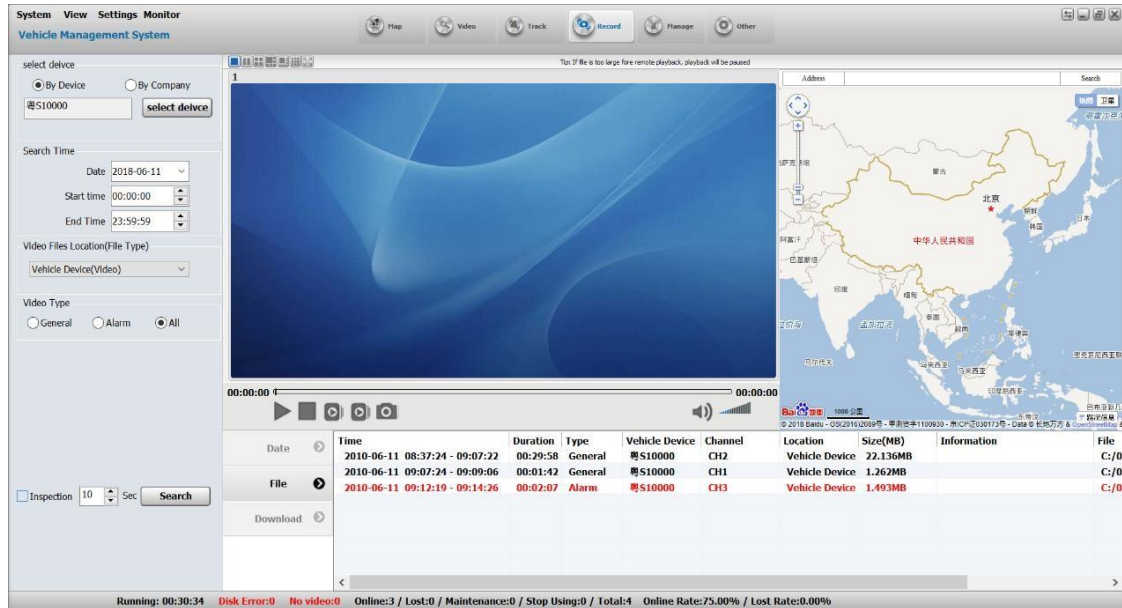
Speed: Control the speed of track playback

Location:

a) Line: Changing from white lines to blue lines, representing the download progress of the trajectory data

b) Drag the button: Progress of trajectory playback

Icon	Function Introduction
	Open or pause the track playback
	Terminate the track playback
	Delete GPS tracks searched



Position

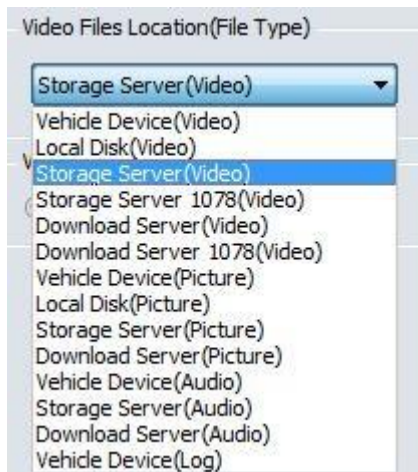
Terminal equipment: Search for video file in SD card or Hard disk of MDVR.

Local disk: Search for manual recordings to the local computer's disk and video file that have been downloaded locally.

Storage server: The equipment is configured with a storage plan to search for video files recorded on the storage server.

Download server: Search for video file on the WIFI download server.

File type



Video: Video files.

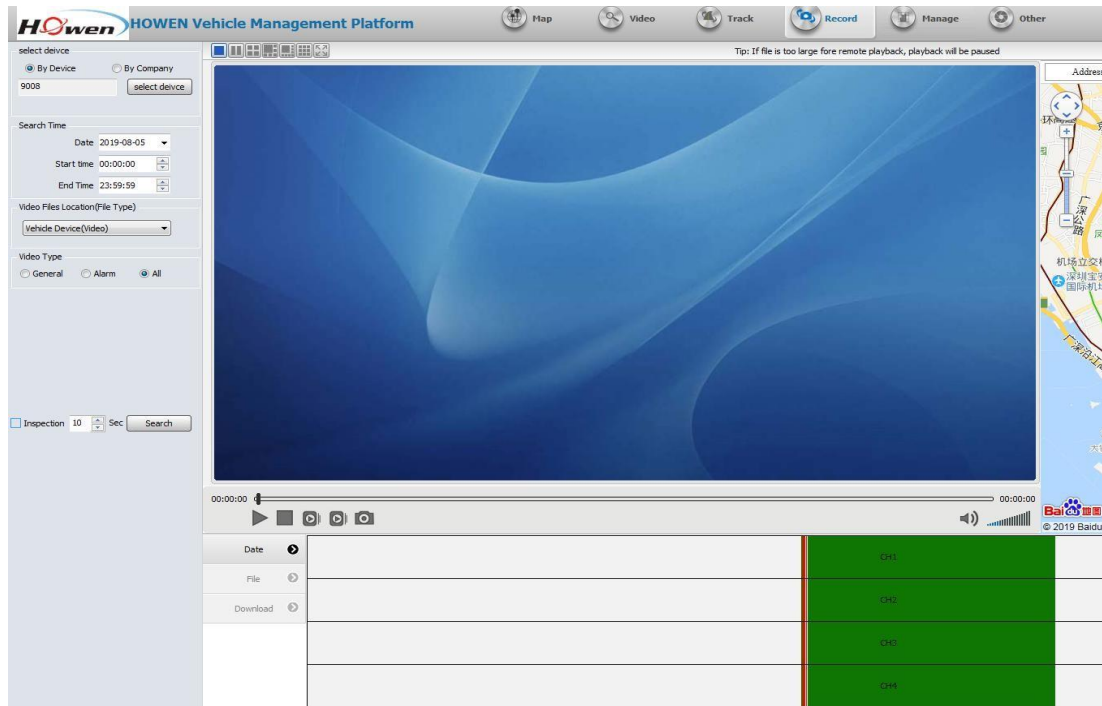
Pictures: Snapped pictures on the storage server

Video type

When searching for videos, there are three kinds of video search conditions: alarm video, regular video and all videos.

1.7.2 Video replay

After specifying the search condition, there is a list of searching file below, as shown below:

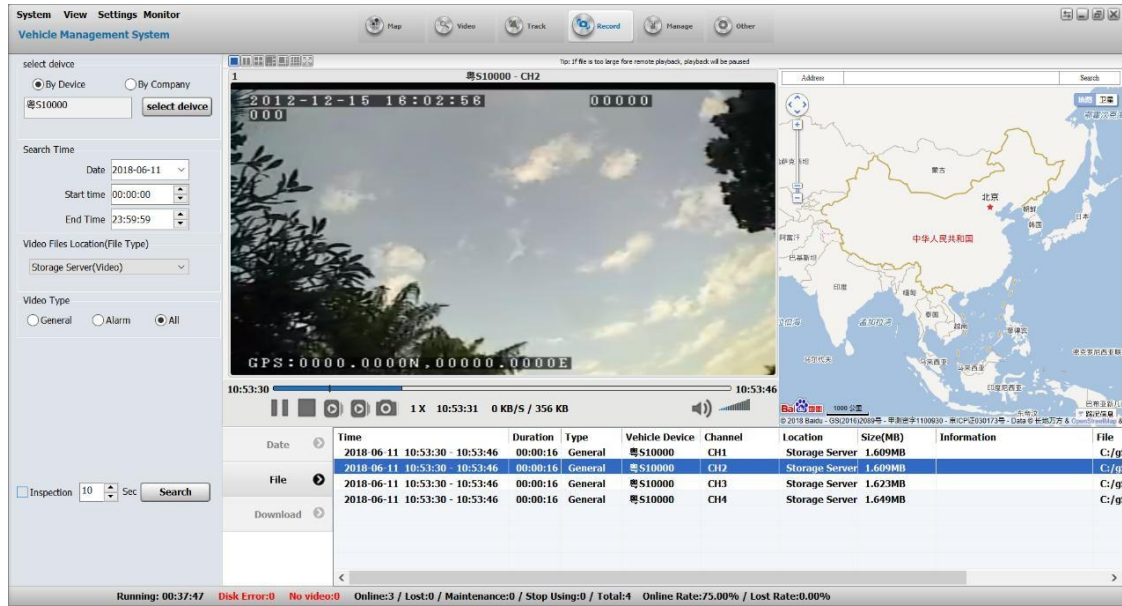


You can also view them as the file list. Just switch to **File**.







The screenshot shows the file list view in the HOWEN Vehicle Management Platform. The 'File' tab is selected. The table below shows the search results:

Date	Time	Duration	Type	Vehicle Device	Channel	Location	Size(MB)	Information	File
2019-08-05	09:31:18 - 09:32:21	00:01:03	General	9008	CH1	Vehicle Device	16.014MB	Information	/0000_000b0001_s_1564997478_1564997541_0_16792207.avi
2019-08-05	09:31:18 - 09:32:21	00:01:03	General	9008	CH2	Vehicle Device	16.0499MB		/0001_000b0201_s_1564997478_1564997541_0_16828602.avi
2019-08-05	09:31:18 - 09:32:21	00:01:03	General	9008	CH3	Vehicle Device	15.8699MB		/0002_000b0401_s_1564997478_1564997541_0_16640423.avi
2019-08-05	09:31:18 - 09:32:21	00:01:03	General	9008	CH4	Vehicle Device	14.9698MB		/0003_000b0601_s_1564997478_1564997541_0_15695805.avi
2019-08-05	09:32:21 - 09:32:29	00:00:08	Alarm	9008	CH1	Vehicle Device	16.014MB		/0000_000b0001_s_1564997541_1564997549_0_16792207.avi
2019-08-05	09:32:21 - 09:32:29	00:00:08	Alarm	9008	CH2	Vehicle Device	16.0499MB		/0001_000b0201_s_1564997541_1564997541_0_16828602.avi
2019-08-05	09:32:21 - 09:32:29	00:00:08	Alarm	9008	CH3	Vehicle Device	15.8699MB		/0002_000b0401_s_1564997541_1564997549_0_16640423.avi
2019-08-05	09:32:21 - 09:32:29	00:00:08	Alarm	9008	CH4	Vehicle Device	14.9698MB		/0003_000b0601_s_1564997541_1564997549_0_15695805.avi
2019-08-05	09:33:21 - 09:33:47	00:00:26	General	9008	CH1	Vehicle Device	8.214MB		/0000_000b0002_s_1564997601_1564997627_0_8613553.avi
2019-08-05	09:33:21 - 09:33:47	00:00:26	General	9008	CH2	Vehicle Device	8.250MB		/0001_000b0202_s_1564997601_1564997627_0_8651389.avi
2019-08-05	09:33:21 - 09:33:47	00:00:26	General	9008	CH3	Vehicle Device	8.259MB		/0002_000b0402_s_1564997601_1564997627_0_8660057.avi
2019-08-05	09:33:21 - 09:33:47	00:00:26	General	9008	CH4	Vehicle Device	7.678MB		/0003_000b0602_s_1564997601_1564997627_0_8051588.avi
2019-08-05	09:33:47 - 09:33:56	00:00:09	Alarm	9008	CH1	Vehicle Device	8.214MB		/0000_000b0002_s_1564997627_1564997636_0_8613553.avi

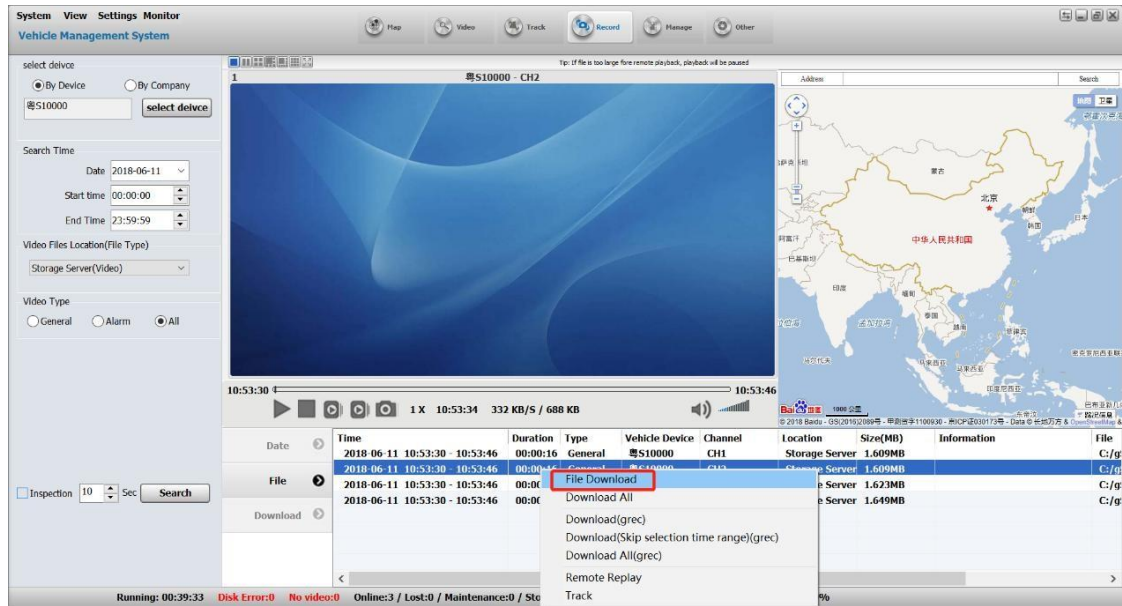
Select a channel file, right-click, pop-up menu, click "Video replay", as shown below



Icon function introduction:

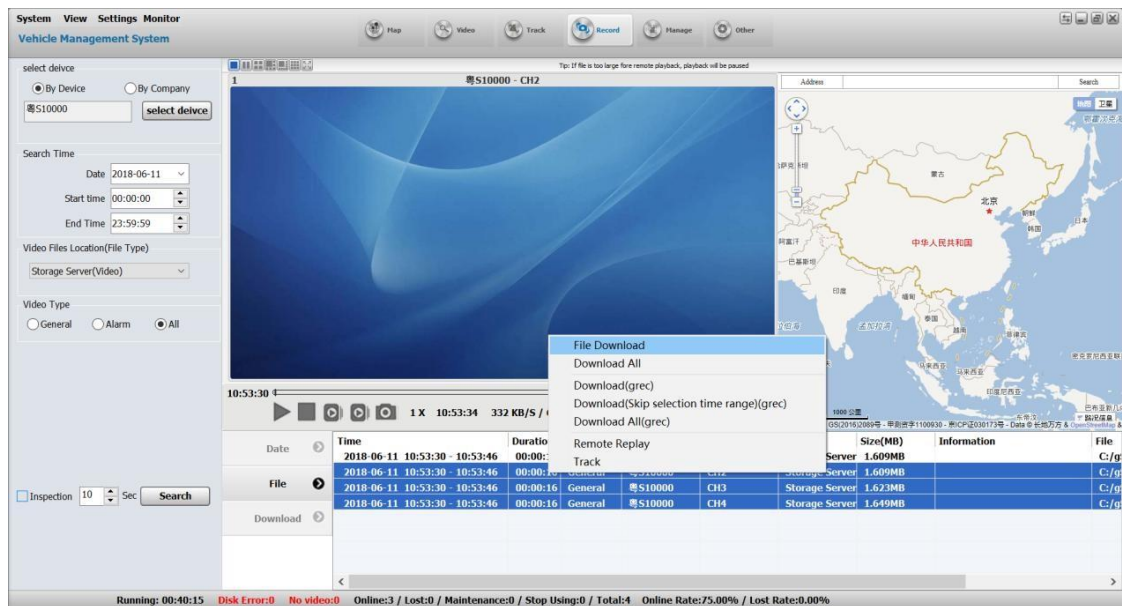
Icon	Function Introduction
	Pause the Play
	Play
	Stop
	I-frame playback or stop
	Snapshot picture
	Voice control

1.7.3 Video download



1. Select files of one channel, right-click, pop-up menu, click "Local Download" (can press **Ctrl** key or **Ctrl + shift** combination key for multiple selection)

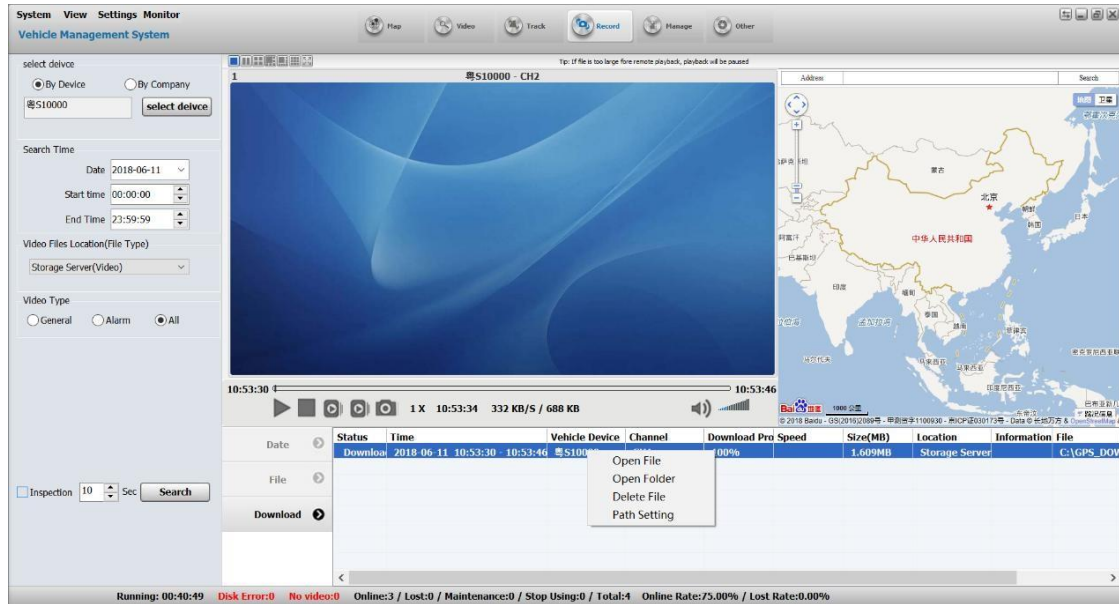
2. Click File download.



3. Download other operations

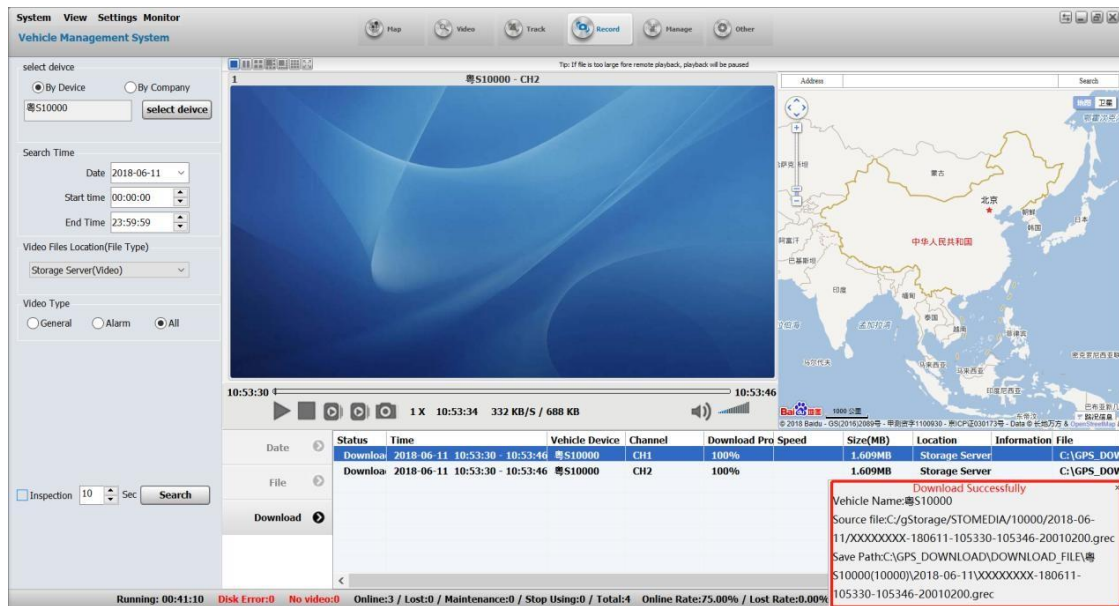
Select the file being downloaded, right-click, the menu is as shown below:

Pause, delete the download, and download path settings



Note: When the file is being packaged, it cannot be downloaded, but can be playback remotely. The download can only download already packed video file.

Download successfully



Downloading failed

The screenshot shows the FleetVu Vehicle Management System interface. The main window displays a video playback for device 粤S10000 - CH2. Below the video player is a table of download records:

Date	Status	Time	Vehicle Device	Channel	Download Pro	Speed	Size(MB)	Location	Information File
2018-06-11	Download	10:53:30 - 10:53:46	粤S10000	CH1	100%		1.609MB	Storage Server	C:\GPS_DOWN
2018-06-11	Download	10:53:30 - 10:53:46	粤S10000	CH2	100%		1.609MB	Storage Server	C:\GPS_DOWN
2018-06-11	Download	10:53:30 - 10:53:46	粤S10000	CH3	100%		1.609MB	Storage Server	C:\GPS_DOWN

A red box highlights a 'Download Successfully' message for the CH2 record, showing the file path: C:\GPS_DOWNLOAD\DOWNLOAD_FILE\粤S10000(10000)2018-06-11\XXXXXXXX-180611-105330-105346-20010300.grec.

When the downloading of file is too large or the network speed is too slow, the file download progress will be affected. Even if the download fails, the video file can be played without being completely downloaded (the play length is the length of the downloaded video).

If the user does not log out of the client, click Continue Download in the context menu of the download list to continue downloading the video.

1.8 Release of audio information

1.8.1 Turn-on TTS phonetic function by vehicle information management

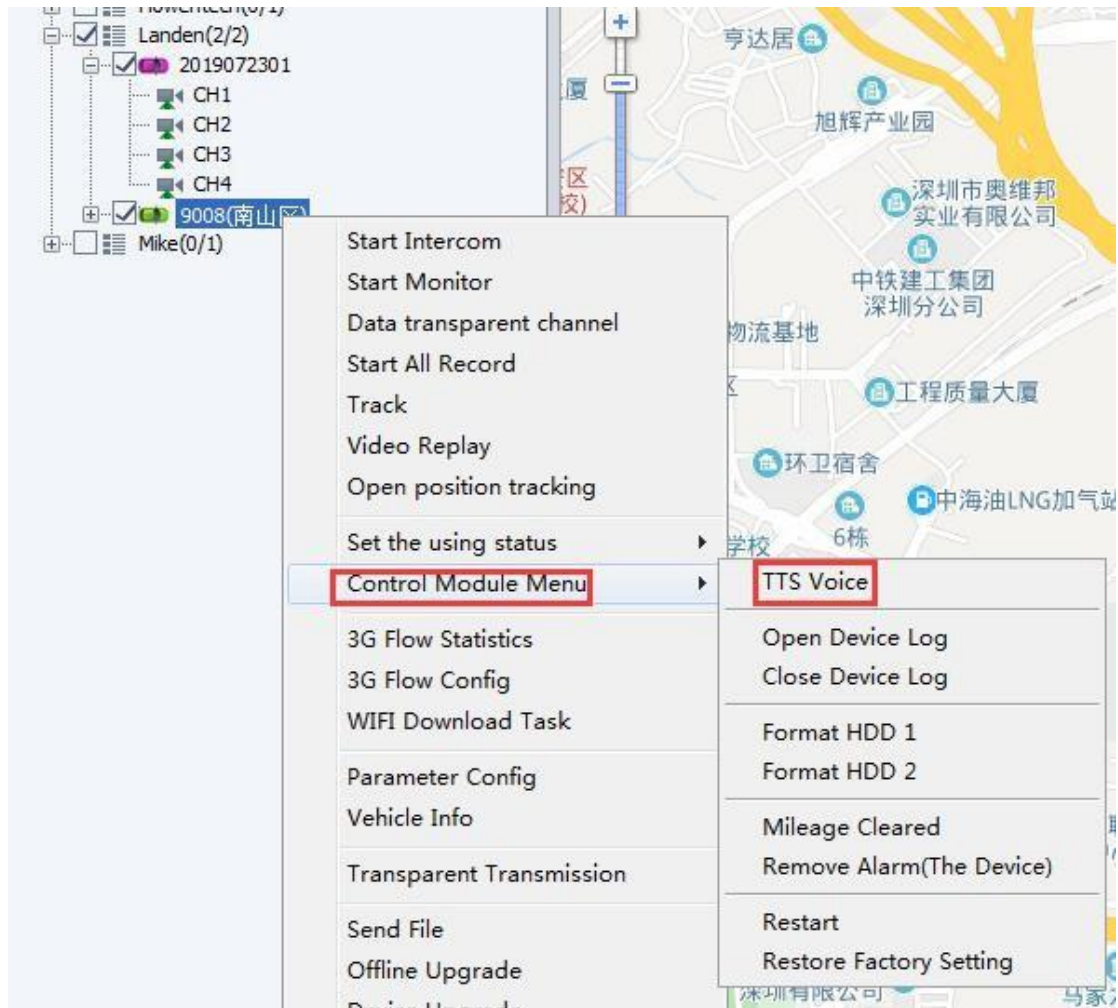
The screenshot shows the 'Edit Vehicle' configuration window. The 'Device Info' section is expanded, showing the following settings:

- Device No.: 10098
- Terminal Type: Video Terminal
- Channel Number: 4 (CH1, CH2, CH3, CH4)
- IO Input Param Number: 0
- Sensor Param Number: 0
- Support Video:
- Support Talkback:
- Support Monitor:
- TTS (TTS voice playback): (highlighted with a red box)
- Fuel Sensor (Detecting vehicle fuel):
- Digital Intercom:
- Fuel Line Controller (Off the fuel and the fuel recovery):
- Circuit Controller (Cutoff circuit and recovery circuit):
- OBD:
- TPMS:
- TaxiMeter:
- Traffic Statistics:
- Water Level Sensor:

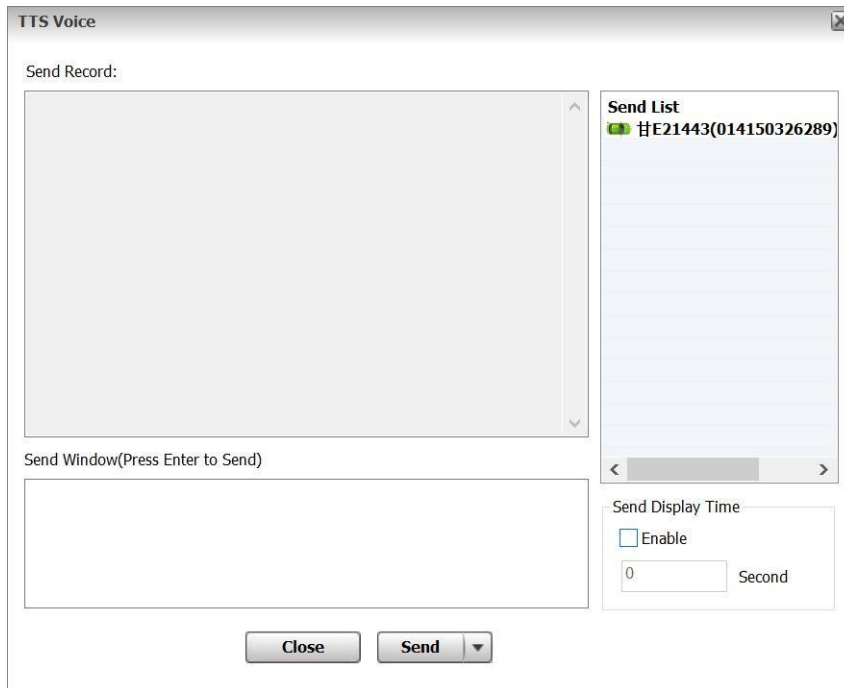
1.8.2 Operation of issuance function of client file

- Send a file to a single equipment

Select an equipment, right-click, and click "send literal information" in the menu.

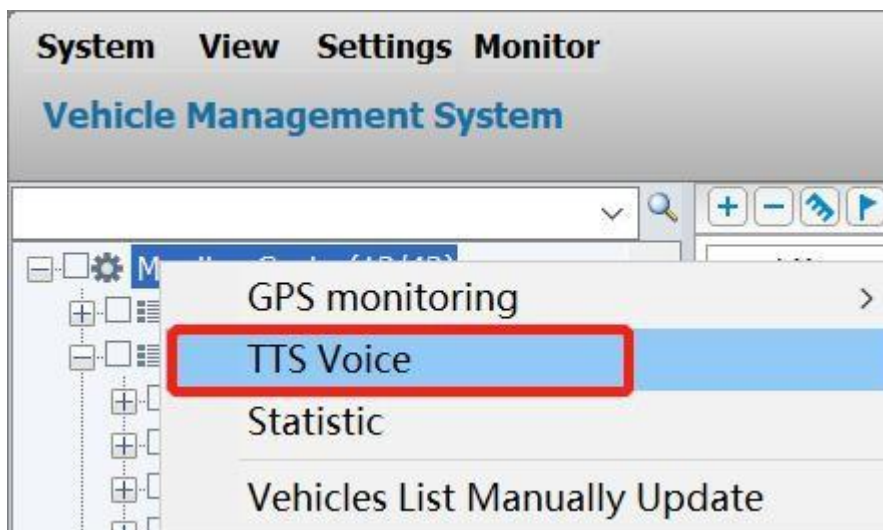


Send TTS voice page as shown below

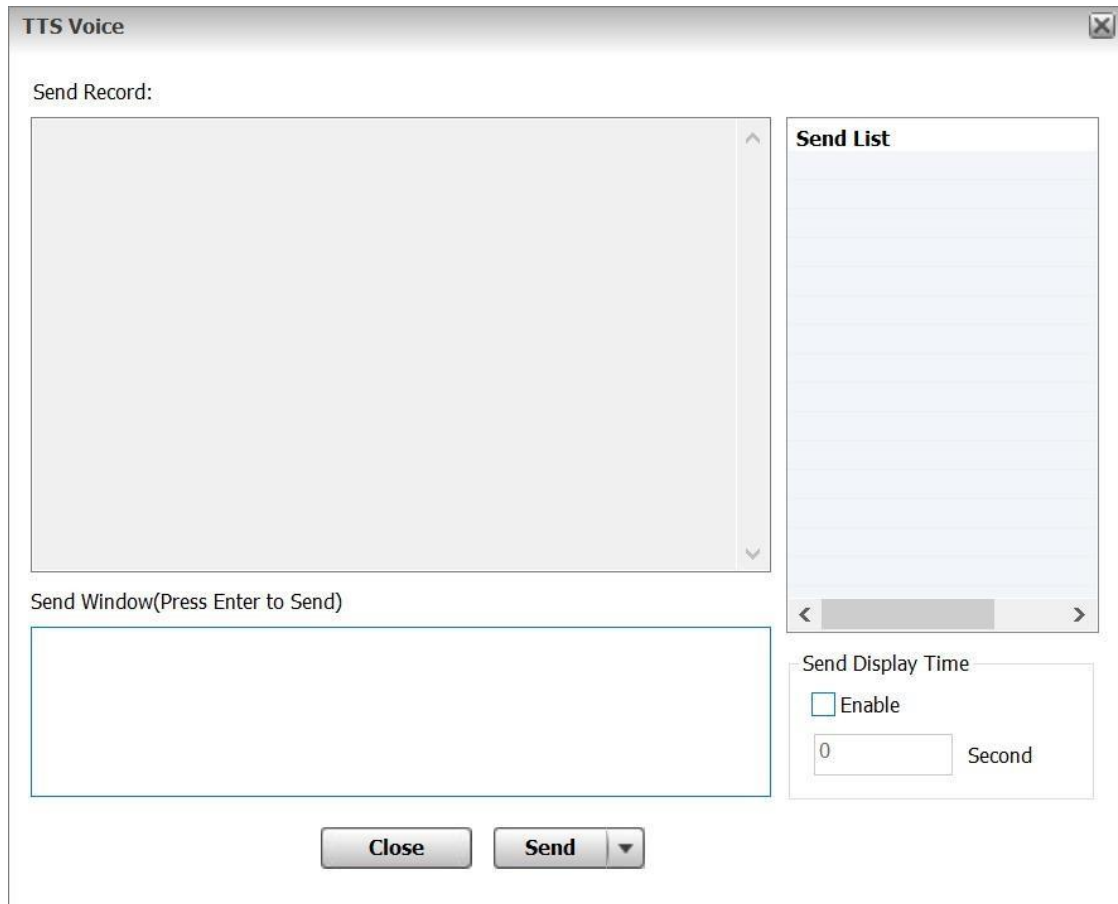


- Multiple equipment send files at the same time

Select the group or select "Monitor Center", right-click, open "send literal information" in the menu,

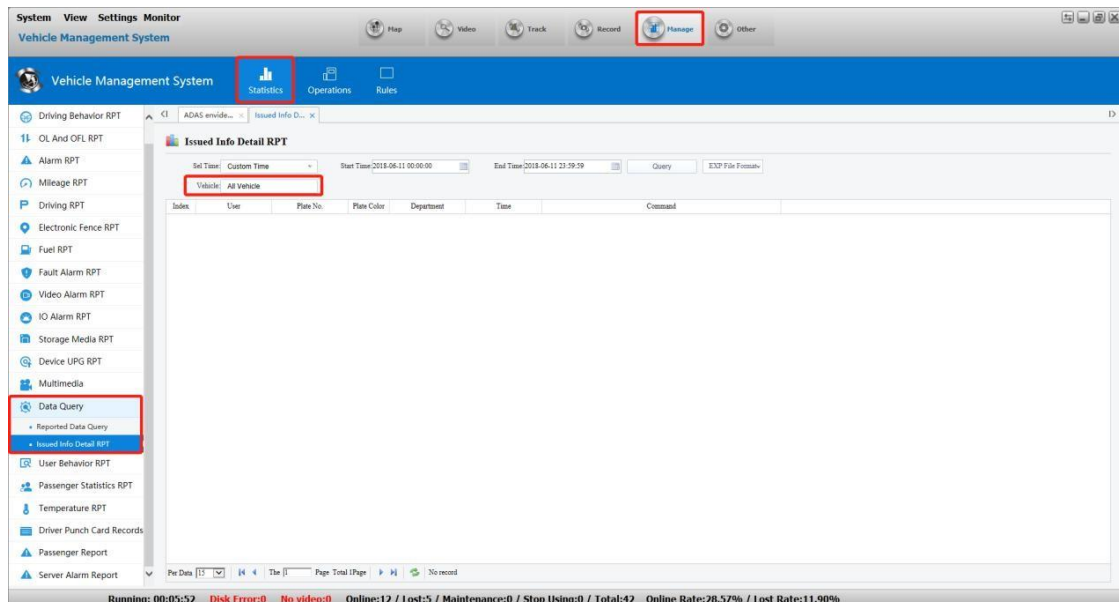


Send the literal information page as shown below



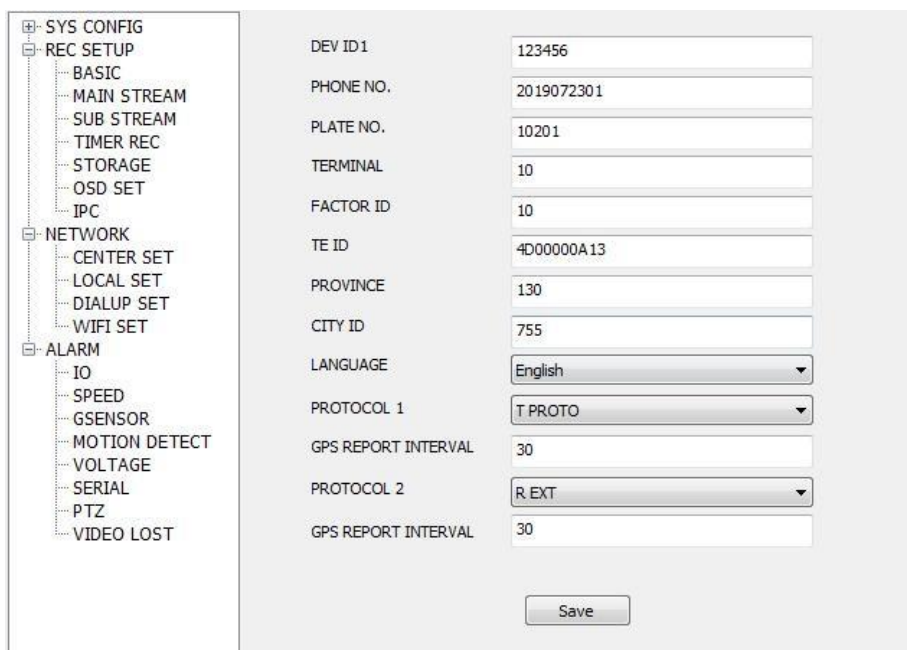
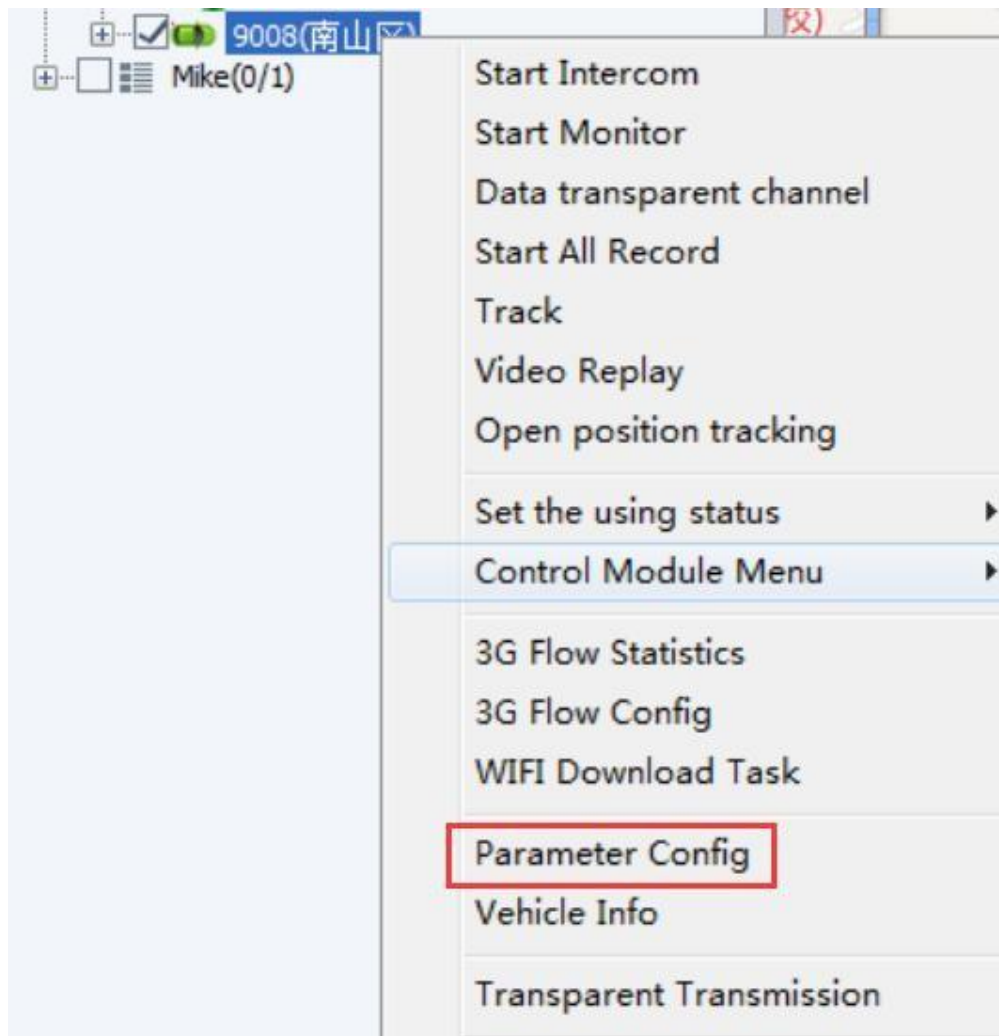
1.8.3 Query of detail report about issued information in the Report

For the issued short information, the time and contents can be also inquired in the Reports

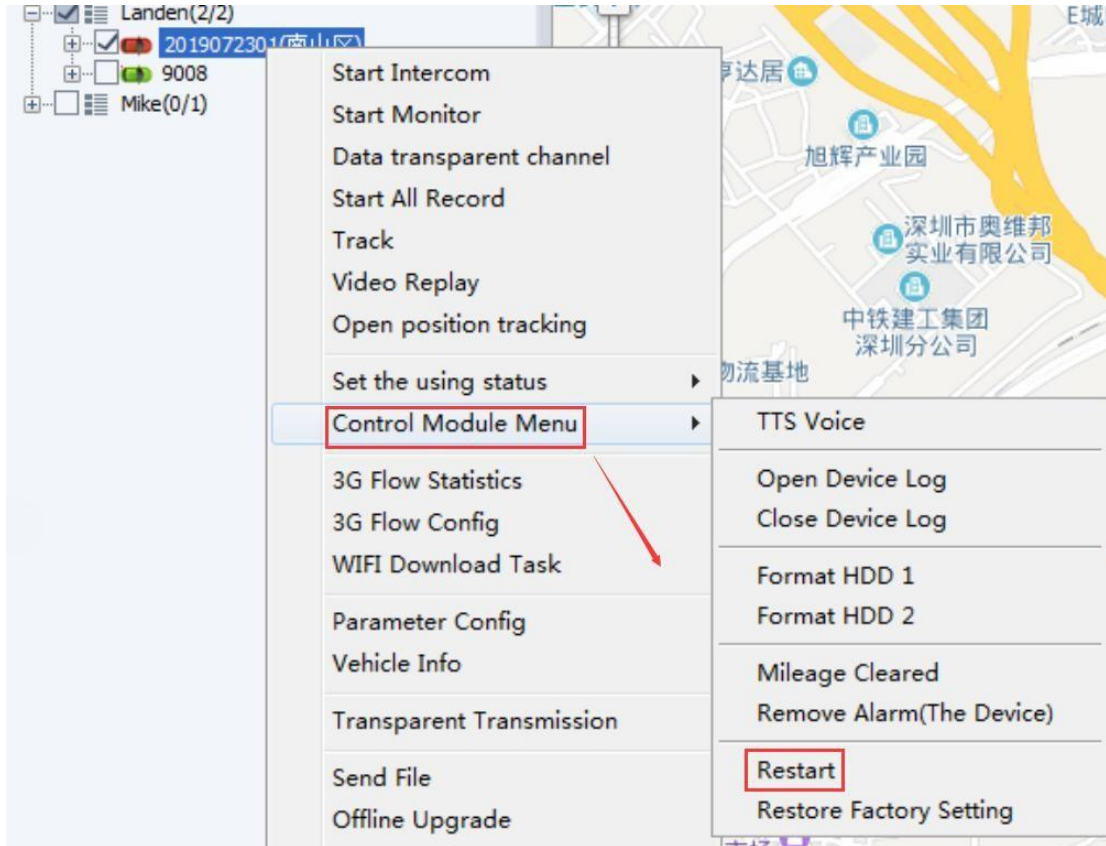


1.9 Function setting

Right-click on the online device, choose the parameter config, you can change the device setting directly and remotely.



When you set them, Save it, then ask the driver to restart it. Or you can also restart by the CMS platform.

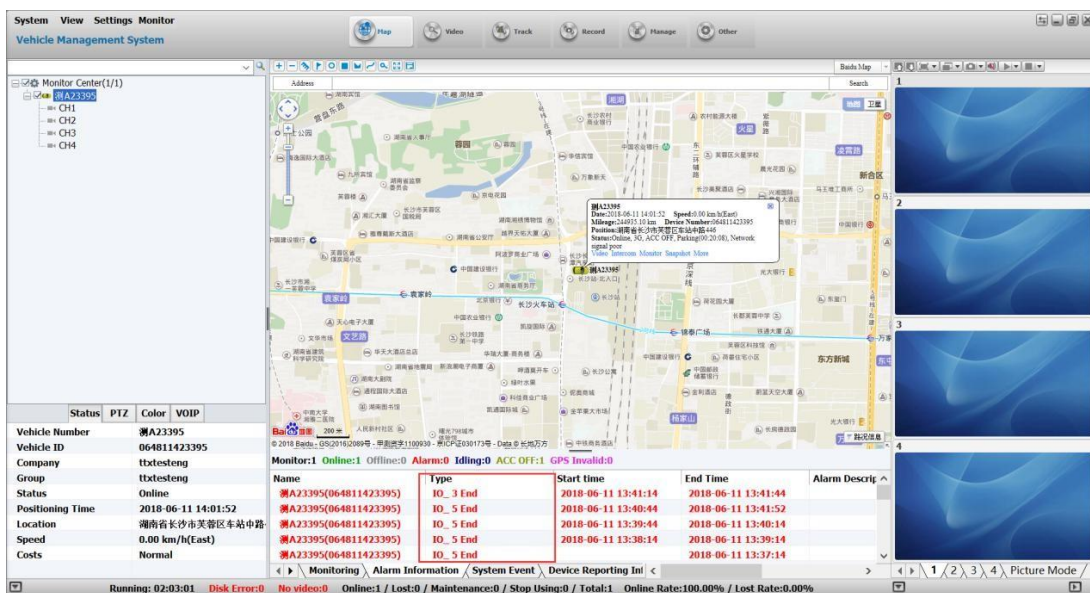


Then input the password of the CMS.

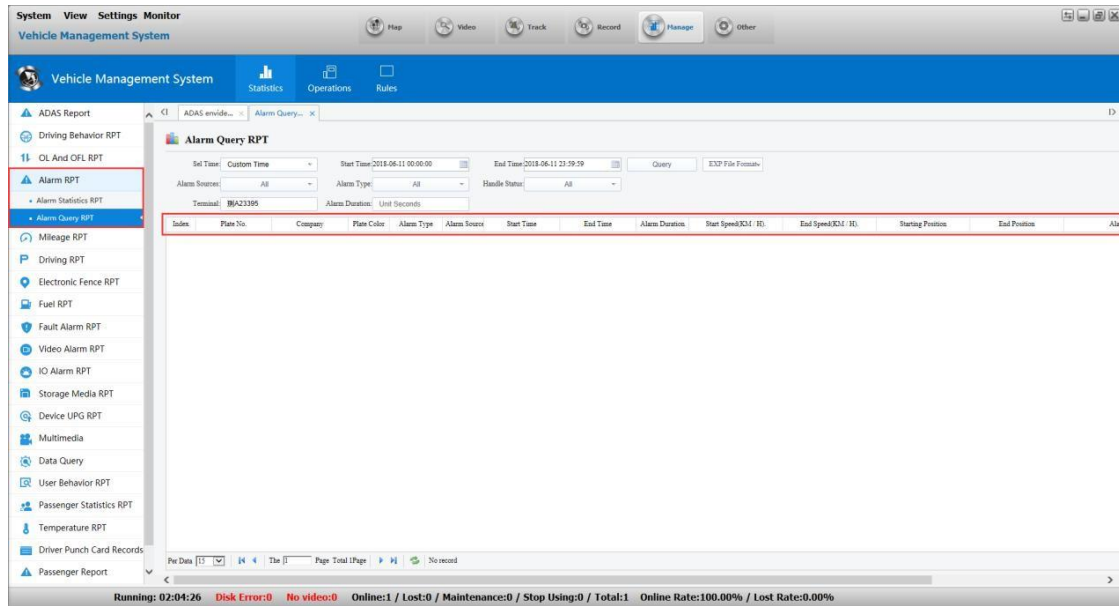
1.10 Alarm

1.10.1 Check the alarm information

Once the equipment has an alarm, the client "alarm information" column will display the alarm list, as shown below.



1.10.2 Query of the web alarm Report

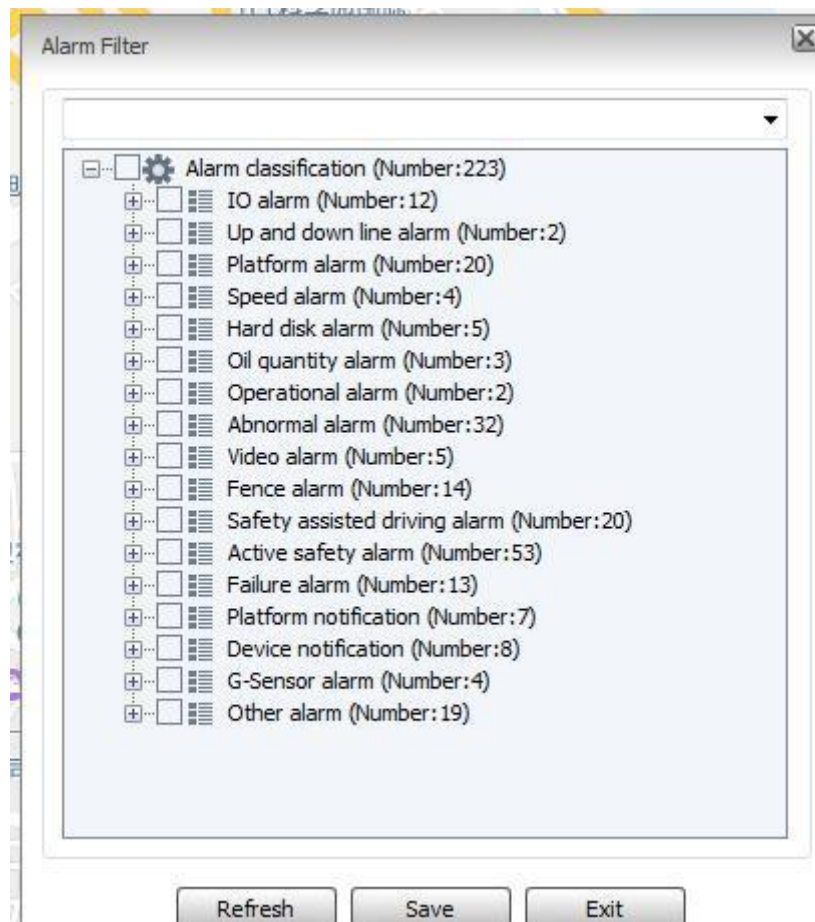


1.10.3 Filter alarm information

If the alarm in the mask list is checked, there will be no such alarm in the "Alarm Information" column of the client side.

- A. First click on **Settings**
- B. Click it





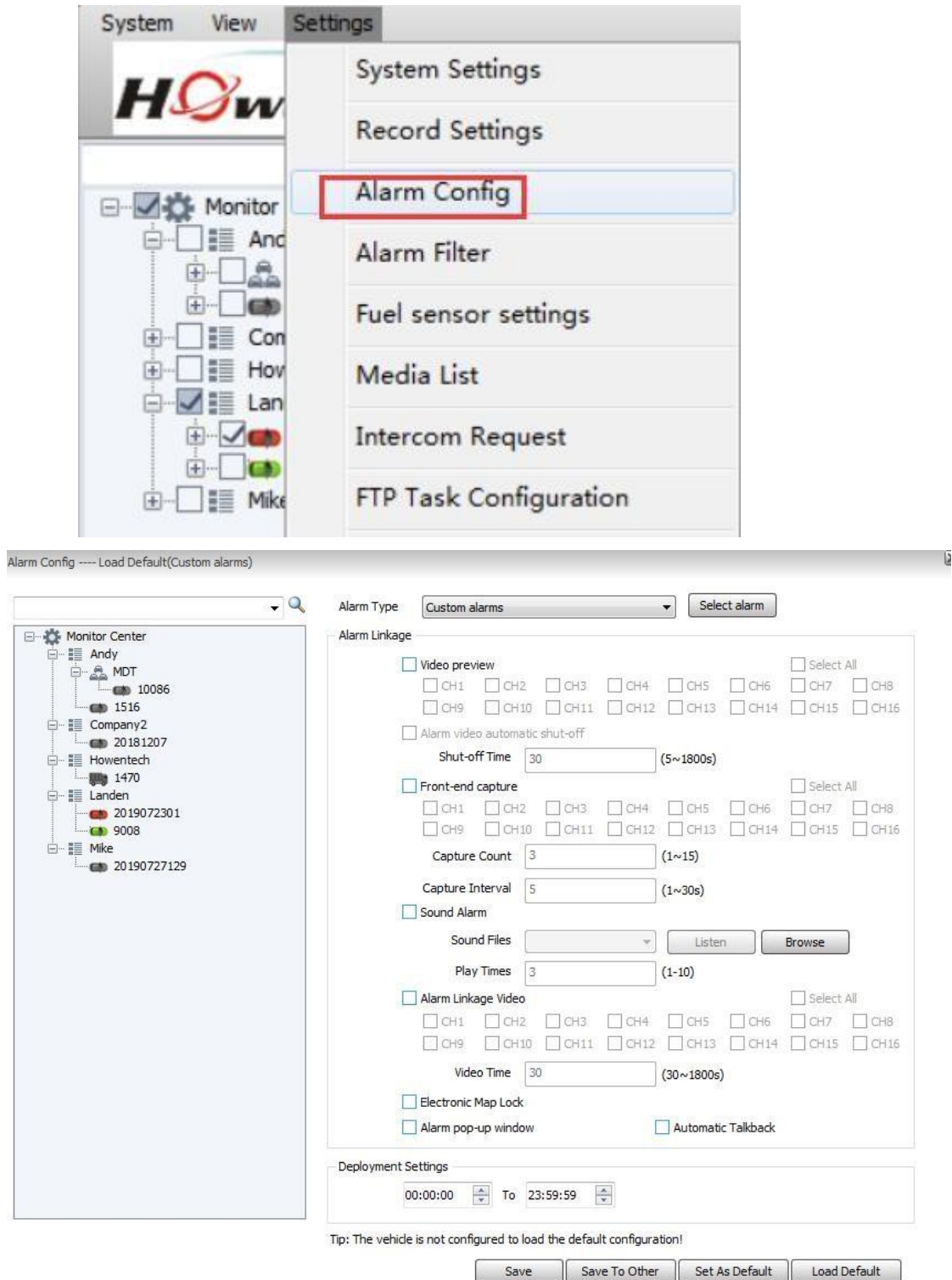
You can check it directly for the conditions that don't need the alarm

1.10.4 Alarm-linkage setting

When the user can specify one or more types of alarms to be generated through action with alarm function of the configuration equipment on the client, the PC client can pop up a video window that generates an alarm, an electronic map lock function and other settings.

A. First click the "Setting"

B. Click the "action with alarm" in the "setting" of menu bar to open the "action with alarm" window, shown in the figure below:



When the setting window of the action with alarm is opened by default, the function of the left panel is not editable. Only when the equipment is selected, the right panel can be editable. Here you can set the action with alarm for each type of alarm for each equipment.

Type of alarm: Select the type of alarm associated with the equipment alarm (The corresponding action can be performed only when the device alarm type is the same as the alarm type set here).

Video preview: When an alarm is generated, a video of the channel of the equipment will be popped (the current version of the stream type supports only the sub-stream).

Front-end capture: When the alarm is generated, the picture of the channel and this equipment will be taken at the front end.

Sound alarm: Set the sounds and the number of actions with alarm sounds.

Rules of play: If a warning sound is being played, a new alarm needs to be played at the same time, then stop the former and broadcast the new one.

Alarm Linkage Video: After action with alarm is generated, the alarm video will be recorded on the local computer.

Electronic map lock: When the associated equipment is linked, the monitored equipment will be centrally displayed on the map.

Deployment setting: The action with alarm of this equipment within this time period will be valid after it is enabled.

Save: Save the currently configured linkage alarm for this equipment.

Save to other: Save the current linkage alarm configuration to multiple equipment.

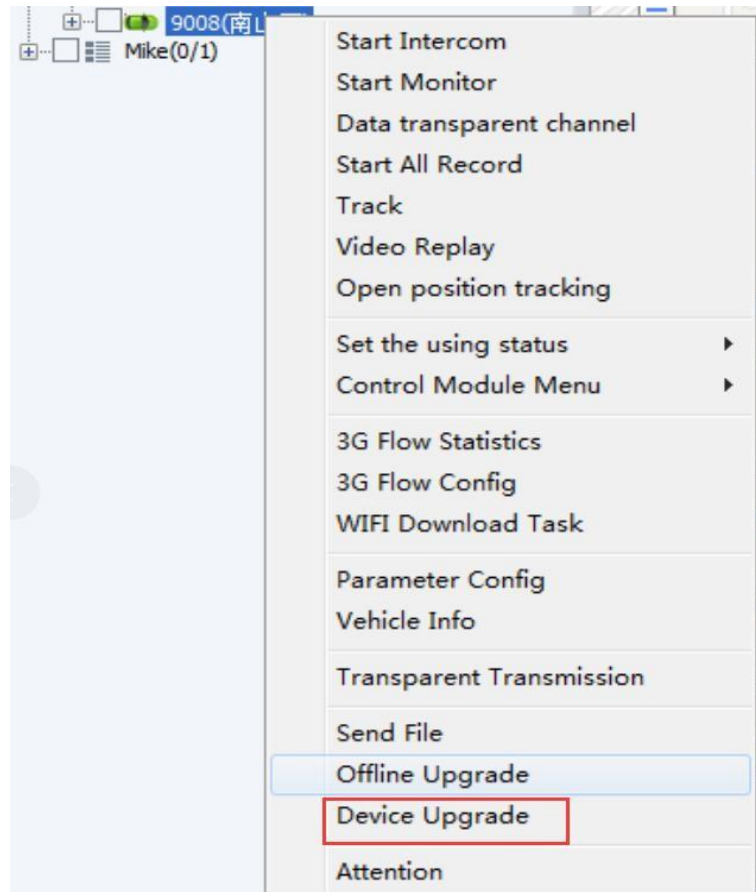
Set as the default : The configuration of the current linkage alarm of the equipment is set as the default configuration, and equipment without linkage alarm are configured to load the default configuration.

Load default : The current equipment is loading the default configuration.

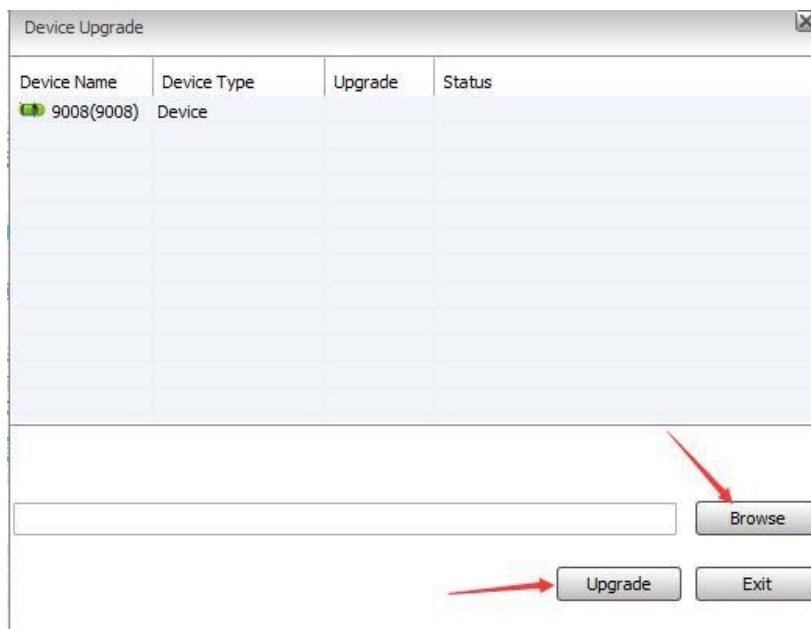
1.11 Remote upgrade of equipment

1.11.1 Upgrade of single equipment

a. Log in to the client, open the equipment list, select the equipment to be upgraded, right-click, and select "Device Upgrade" from the menu that appears, as shown in the figure below.



The interface that pops up now looks like this:



- Click the "Browse" button to select the upgrade file, the upgrade file format must be . crc
- Select the equipment and right-click to delete or clear the equipment in the list to be upgraded by "Delete" or "Empty".
- Click "Upgrade", and if the upgrade is complete, there will be a corresponding prompt box.

1.11.2 Offline upgrade

Access to the file in local

Upload the upgrade file to the server. The equipment will download the upgrade files automatically when it is online.

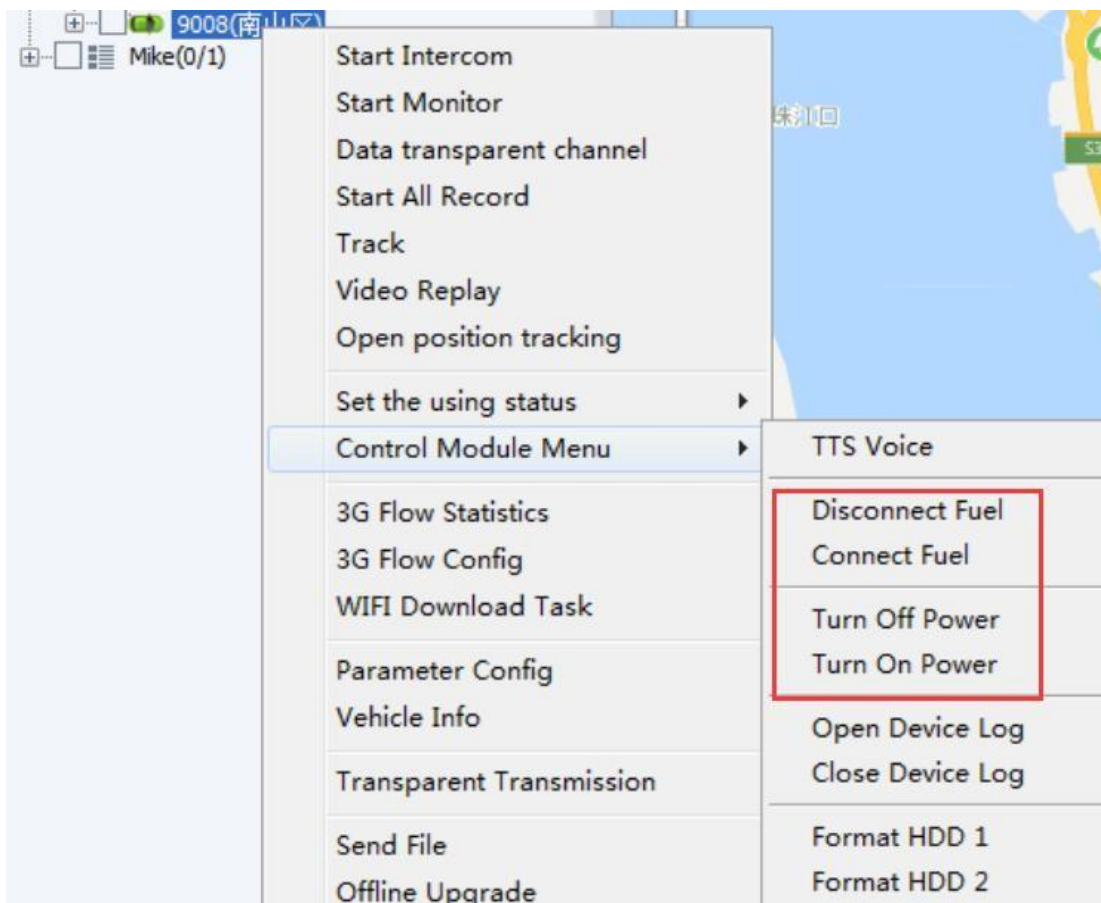
1.12 Cut-off Fuel and Electricity

1.12.1 Turn-on the function of fuel cut and power outage

Login into the information management, select the equipment that needs to cut off the oil and power from the operation management vehicle information. The specific operation is as shown in the figure below. Check up the line of cutting off the oil and power, and then restart the client.

1.12.2 Operation of fuel cut and power outage by client

Select the equipment that needs to cut off oil and power outage, then click the right button to display the figure below



In operating the right button menu, displaying "Disconnect Fuel", "Connect Fuel", "turn off the power", "turn on the power", then corresponding form will pop up. E.g., after clicking the "Disconnect Fuel", following figure will come out

Note: The password is for the client to login.

1.13 Oil Balance detection

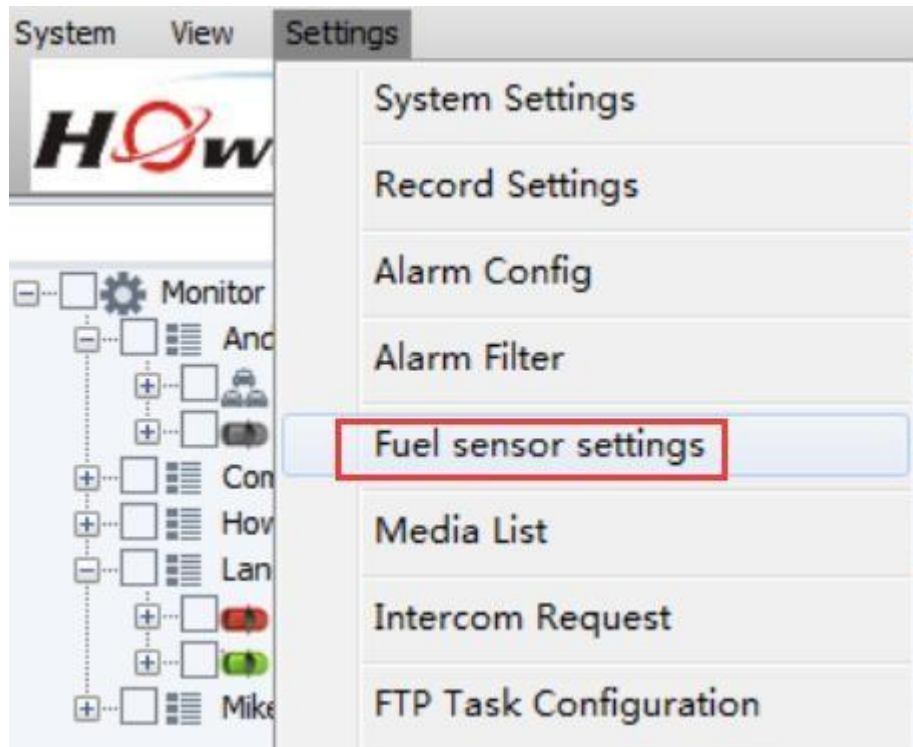
This function is only available for clients who have installed the oil detect sensor.

1.13.1 Configuration of oil sensor

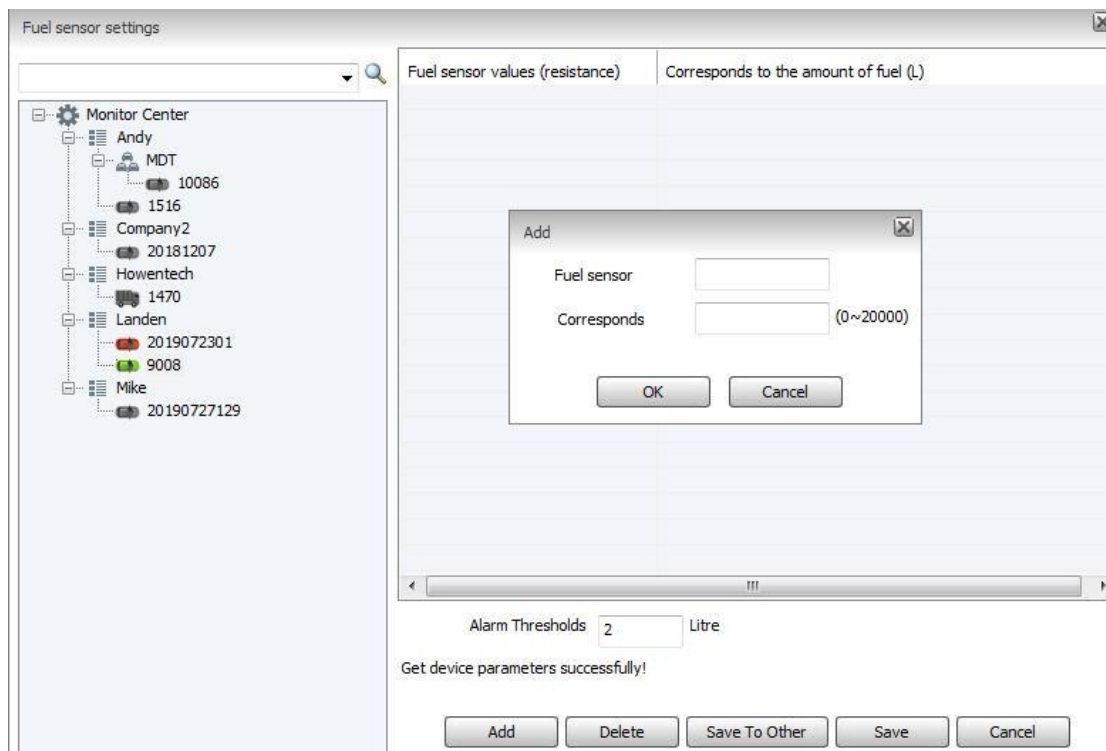
With the oil mass sensor function, the equipment can carry out the configuration of oil mass parameters and tick the peripheral module in the vehicle information.

The screenshot shows the 'Edit Vehicle' window with the 'Device Info' section expanded. The 'Device No.' is 064811423395. The 'Terminal Type' is checked for 'Video Terminal'. The 'Fuel Sensor (Detecting vehicle fuel)' checkbox is checked and highlighted with a red box. Other checked options include 'Support Video', 'Support Talkback', 'Support Monitor', 'TTS (TTS voice playback)', 'Fuel Line Controller (Off the fuel and the fuel recovery)', and 'Circuit Controller (Cutoff circuit and recovery circuit)'. Other options like 'Digital Intercom', 'OBD', 'Traffic Statistics', 'Water Level Sensor', 'TPMS', and 'TaxiMeter' are unchecked.

Configuration operation of oil mass: **Settings > Fuel sensor settings**, select the device, then Add it, and set the alarm threshold,



- 1 Fill in the relatively small value and the relative oil mass value
- 2 Fill in the maximum sensor value and the corresponding maximum oil mass value
- 3 Fill in the value between the above two values. (The more you fill in, the more accurate)



Alarm threshold setting: When the oil mass suddenly changes and is more than or less than the set threshold, the alarm will sound. At the same time, the alarm information will be also recorded in the report.

Alarm Thresholds Litre

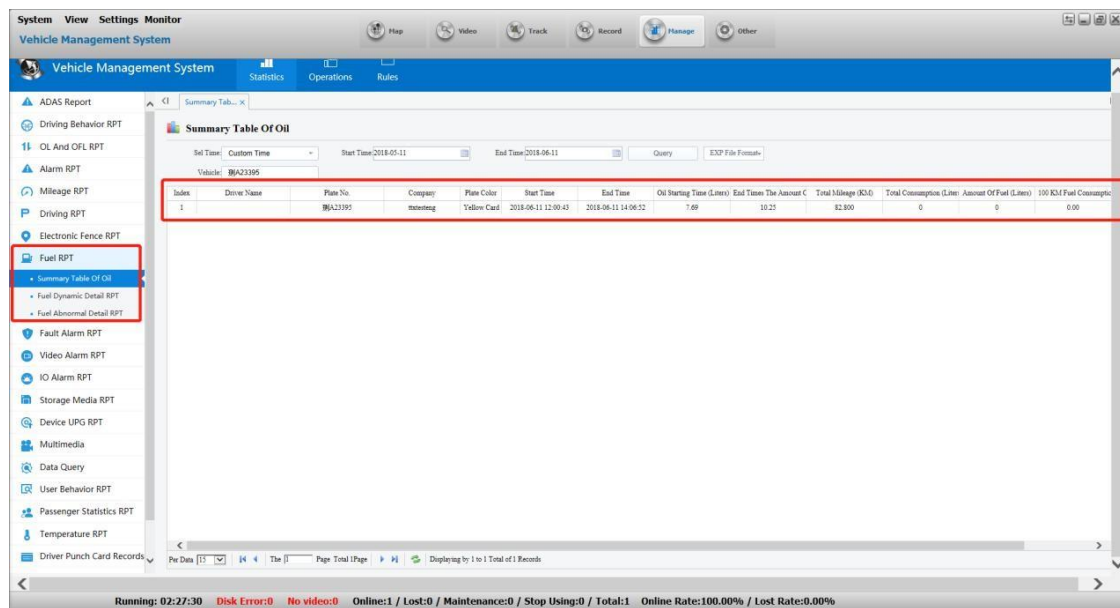
Get device parameters successfully!

1.13.2 Report of oil mass

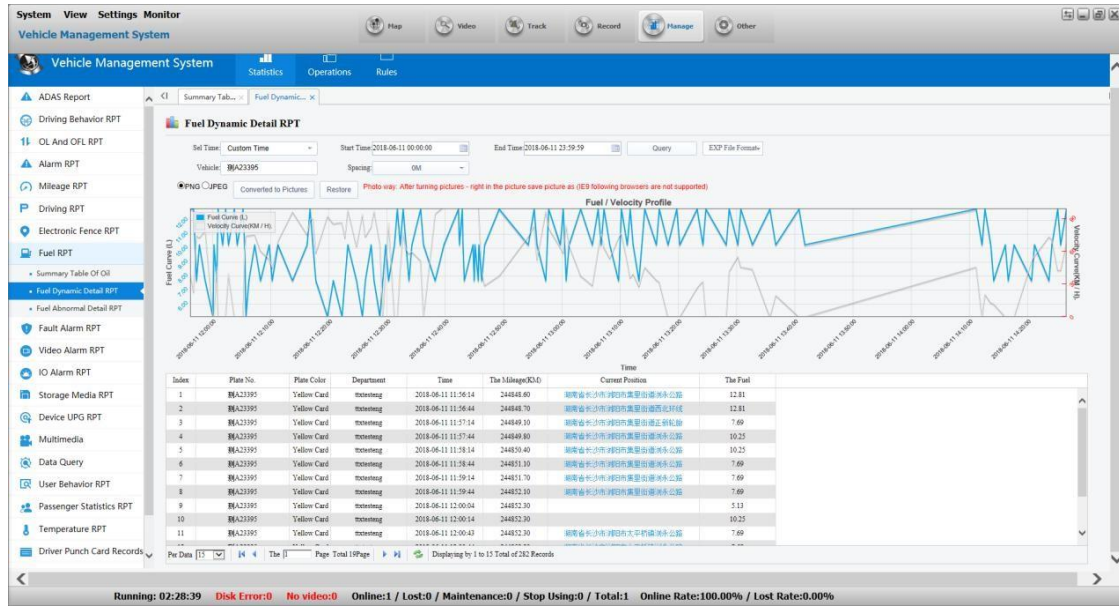
Summary on oil mass, dynamic Report on oil mass, obvious abnormality Report on oil mass



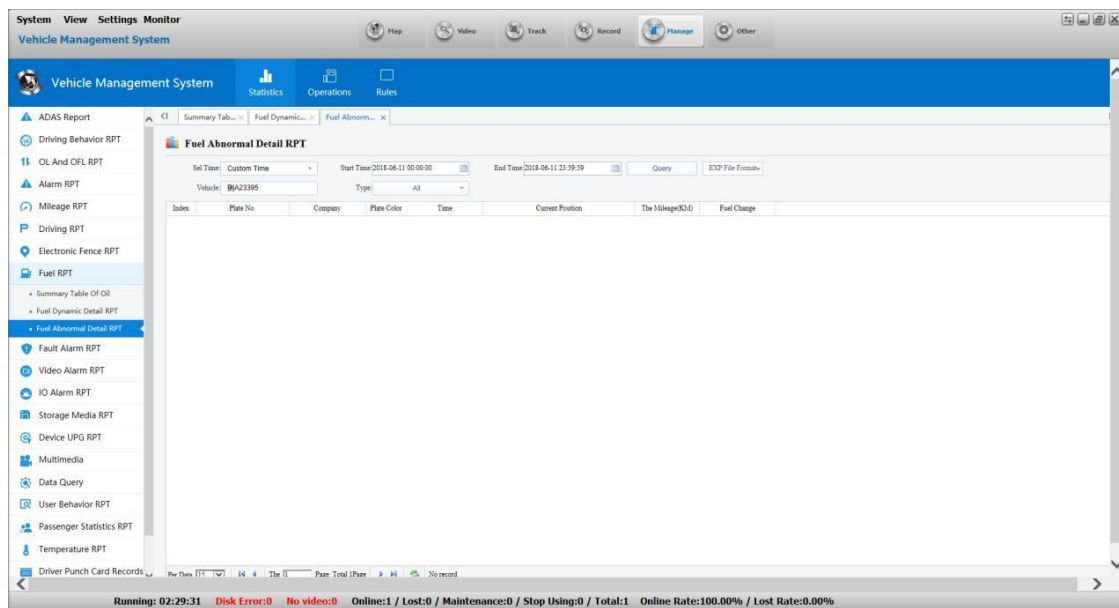
1. Summary on oil mass: Record the oil mass of vehicle upon start-up and shutdown within a certain time, as well as the driven mileage and total oil consumption.



2. Dynamic Report on oil mass: Upload the value of oil mass along with the GPS in an in-synchronous real-time manner.



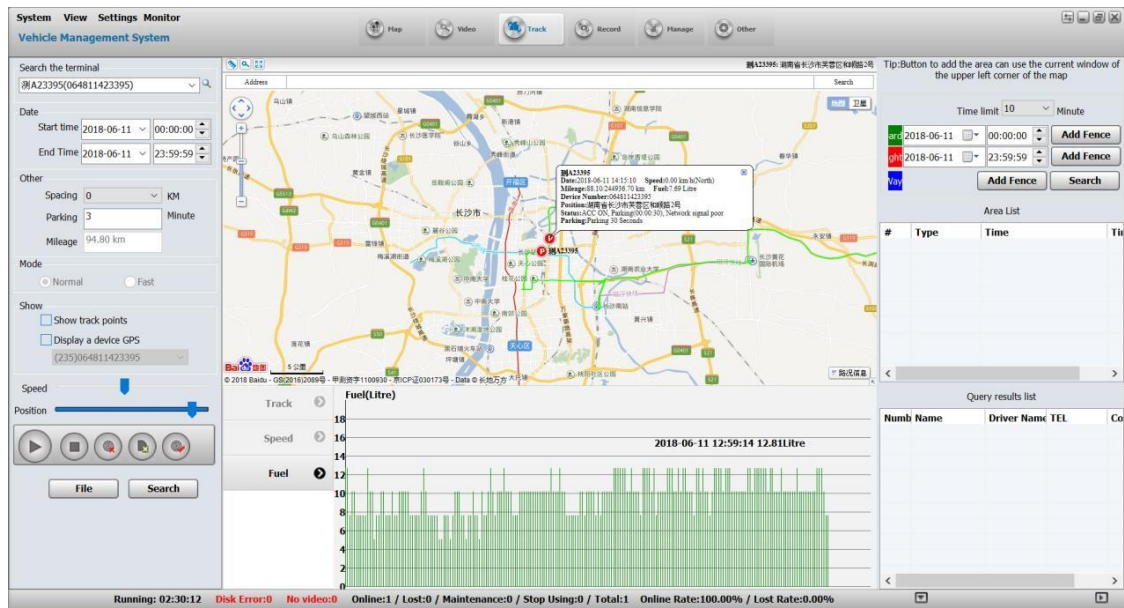
3. Obvious abnormality report on oil mass: Once the alarm sounds, the record can be made in the report. (The above value refers to the set alarm threshold)



Statistics time and oil balance change

If the oil mass change exceeds the setting value of "oil mass change" in designated "statistics time", then the client will have oil mass alarm displayed.

1.13.3 Oil consumption curve of client track




1.14 PTZ control



The focus video can be controlled through this control interface. For example, the equipment "Y GW1589" channel 2 is connected to the cloud platform. Then watches the channel 2 video of the equipment "Y GW1589" on the video window, the video window is in the selected status. At this time, operation cloud platform can control the channel.

Automatic cruise: Click the azimuth pointing arrow in the icon, to set the cloud platform to turn in the specified direction (This function requires the support of the equipment and the

cloud platform);



Focal length: Click the icon to zoom in or out the focal length of the video;



Aperture: Click the icon to zoom in or out aperture size of the video;



Focus: Click the icon to adjust focus size of the video through backwards or forward.



Lighting: Click the icon to turn on or turn off the lights of the video.



Wiper: Click the icon to turn on or turn off the lights of the wiper.



Call / setting / delete: These operations are for preset point, with up to 64 points in the interface.

Preset point setting rules:

1. Set every preset point on different automatic cruise lines separately, then call each of the preset points respectively to confirm whether the settings are done.
2. Find automatic cruise instructions in the brochure of the cloud platform

Generally, the automatic cruise instruction of cloud platform is 98 or 95. Of course, each manufacturer produces different instructions of the cloud platform. When the instructions are found, you can operate it.

1.15 FAQ

Problem 1: After the equipment is reported, the user can see the equipment online, but cannot see the video of the equipment

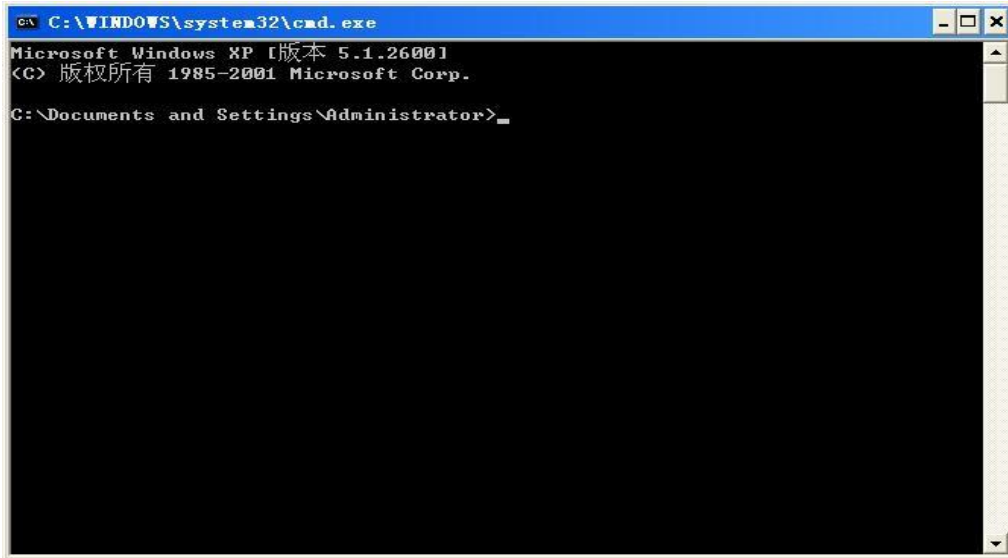
Solution

1. Confirm the normal work of the streaming media server in the CMSV6 system
2. If the streaming media is normal operation, check whether the port (6602) used in the streaming media server has done port mapping

Detection method: Enter "CMD" command in operation, and click the "confirm" button.



After operation, the operation interface displayed is as below



At this time, enter "telnet 183.12.188.23 6602". 183.12.188.23 is the public network IP used to install the CMS server, and 6602 is the port number.

If the port is opened, the interface appears as shown in Figure 1 below. If the port is not opened, the interface appears as shown in Figure 2 below.

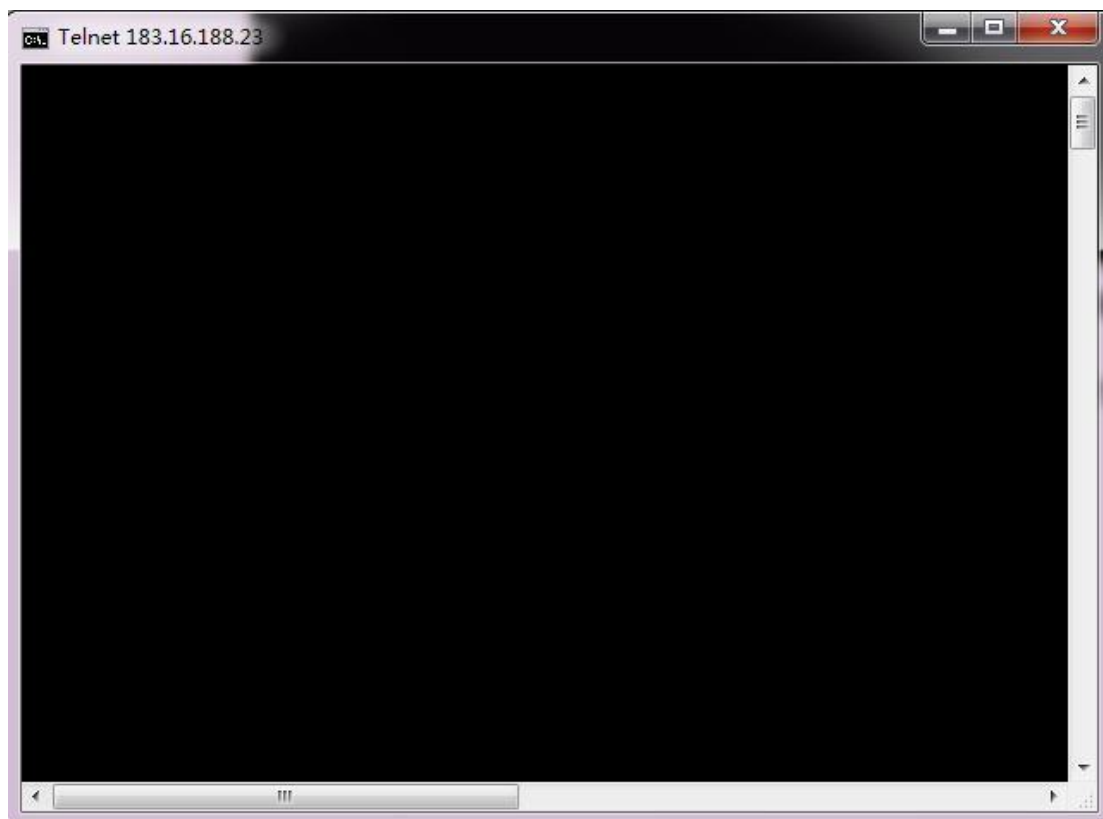


Figure 1 Port mapping has been done

Port mapping has not been done

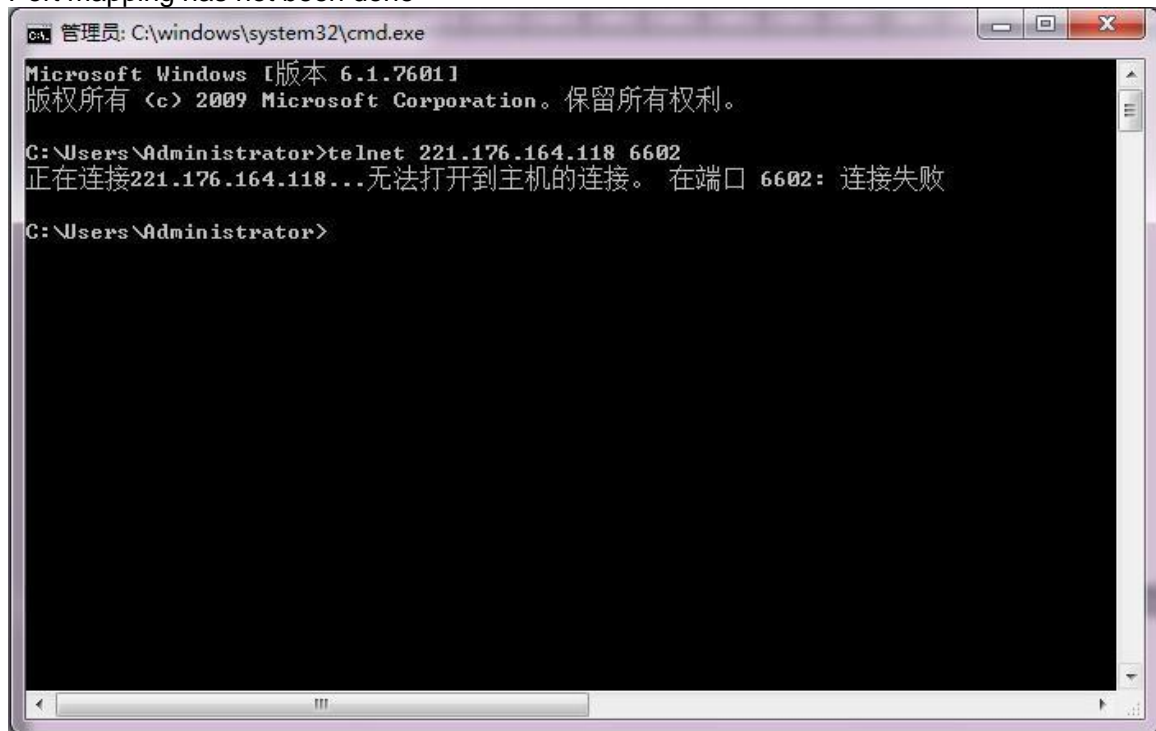


Figure 2 Port mapping has not been done

If there is no port mapping, enter the router and make TCP mapping on the port, then the client can see the video

Problem 2: Failed to obtain the **equipment information and equipment parameter information**

Root:

Usually there are three reasons for failure in obtaining equipment information or equipment parameter information on the client:

1. The network connection between the equipment and the CMSV6 server suddenly broke down;
2. The net speed of the equipment is poor;

Solution:

1. Check the network connection status between **the equipment and CMSV6 server**. When the connection suddenly broke down, the equipment seen on the client is still in the online status, and it will take about 3 minutes before the client device goes offline;
2. Due to poor network speed, when you do not get information for a long time, there will be a hint of failure to get information. Close the window and try again;

Problem 3: Null cloud platform automatic cruise

Reason:

Null cloud platform automatic cruise usually relates to the equipment.

Solution:

1. The **cloud platform** does not support the automatic cruise function;
2. The **equipment** does not support the automatic cruise function of the cloud platform;
3. The automatic cruise function is **not opened**;

Problem 4: Both the snapshot and video plans have been configured, but the list of client search file is empty

Date	File	Download
	CH1	
	CH2	
	CH3	
	CH4	

Methods:

1. Test whether the port used by storage server (**6611 6612**) is open. If it is not open, you need to enter the router to open **the two ports**.
 - a. Start menu - enter cmd in operation, enter telnet 124.228.174.201 6612. In the following figure, the port is not open

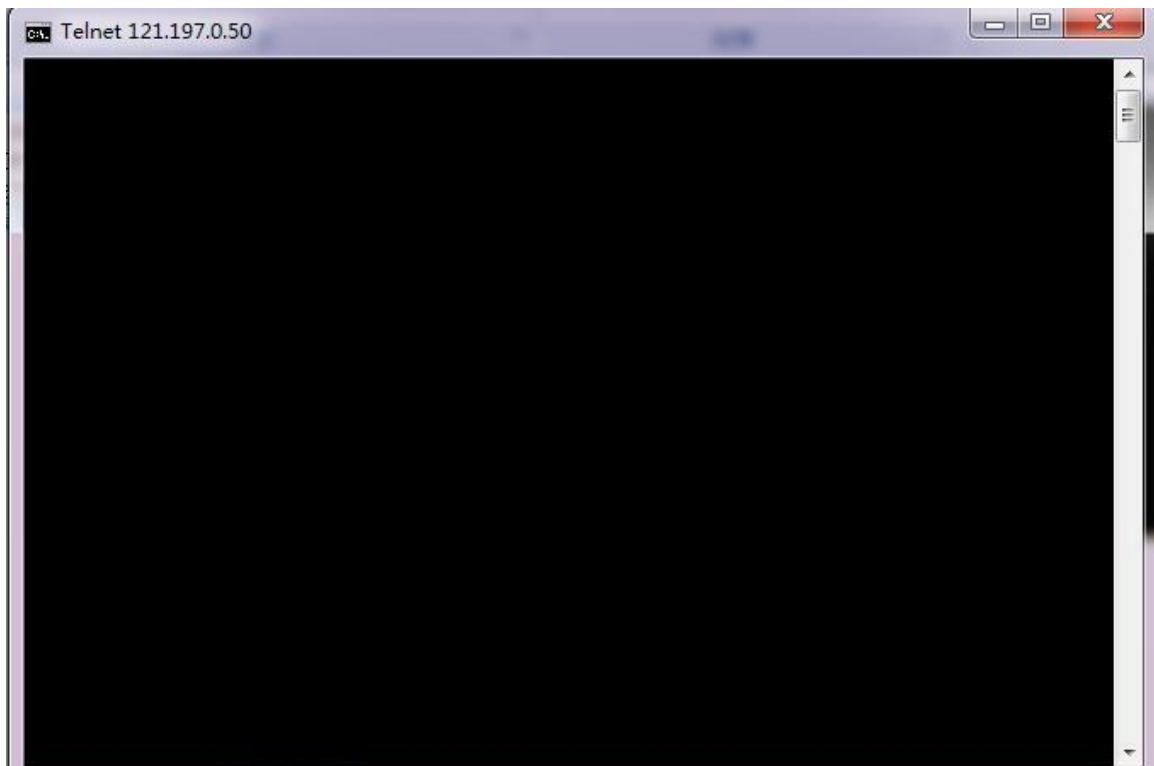


```
C:\> 管理员: C:\windows\system32\cmd.exe
Microsoft Windows [版本 6.1.7601]
版权所有 (c) 2009 Microsoft Corporation。保留所有权利。

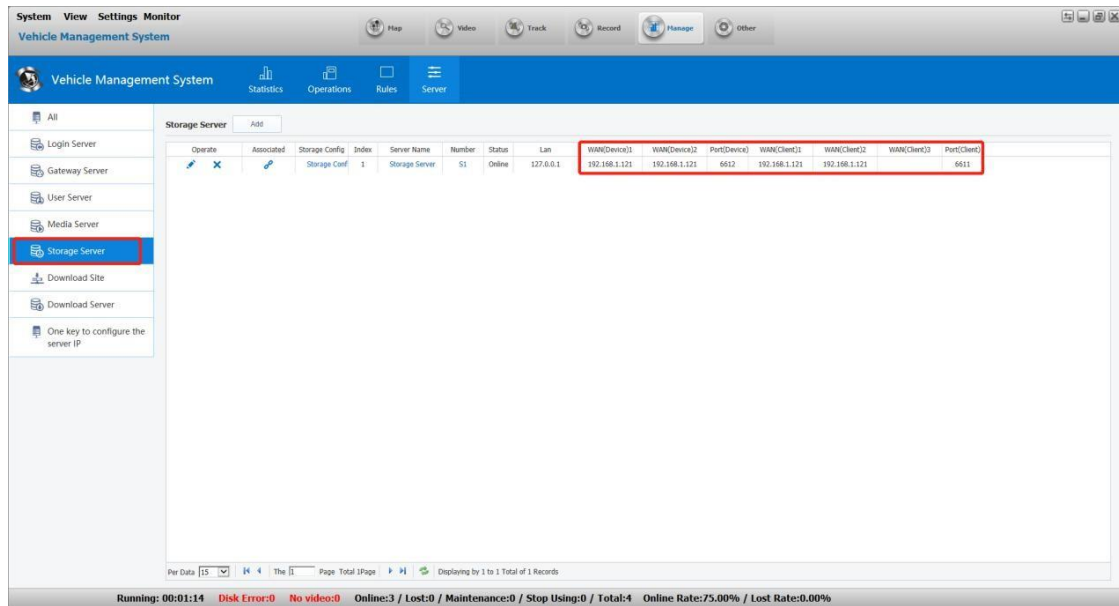
C:\Users\Administrator>telnet 124.228.174.201 6612
正在连接124.228.174.201...无法打开到主机的连接。 在端口 6612: 连接失败

C:\Users\Administrator>
```

b. Start menu - enter cmd in operation, enter telnet 121.197.0.50 6612. In the following figure, the port is open



2. If the port is open, you need to enter the web backstage to check whether the IP of the storage server and port configuration are correct



Problem 5: Failure to download video file from the storage server?

Methods:

The first situation: The video files are packing

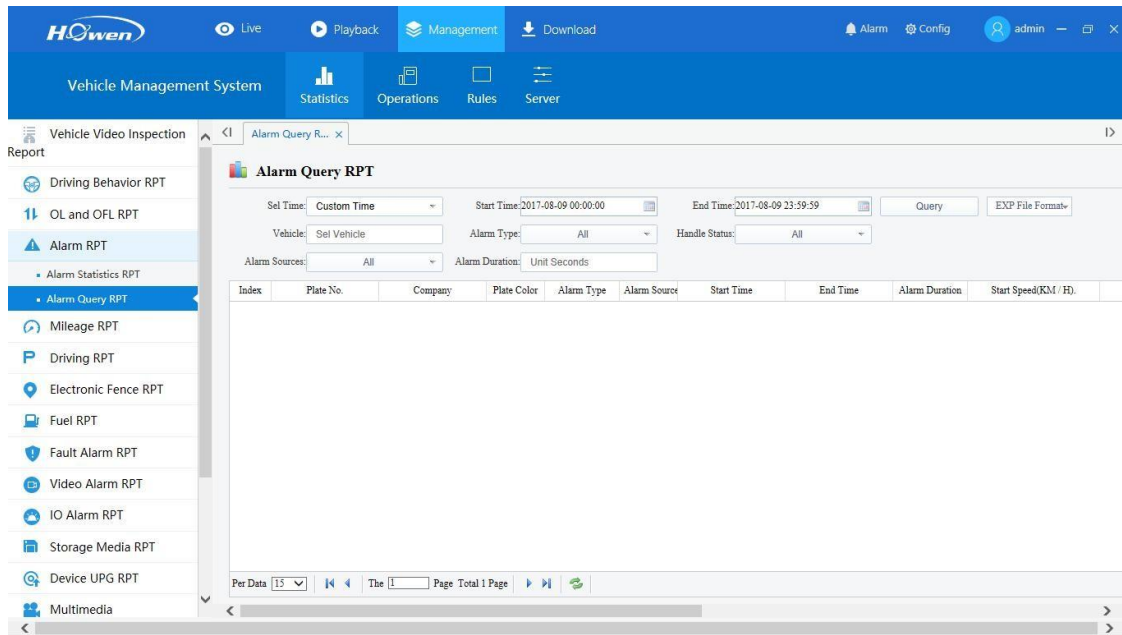
The first situation: The web backstage checks whether the IP of the storage server and port configuration are incorrect, then checks whether the port of the storage server can be connected (See specific operations in problem 4)

2. Management

We can check report, manage devices, set rules and server parameters in Management.

2.1 Statics

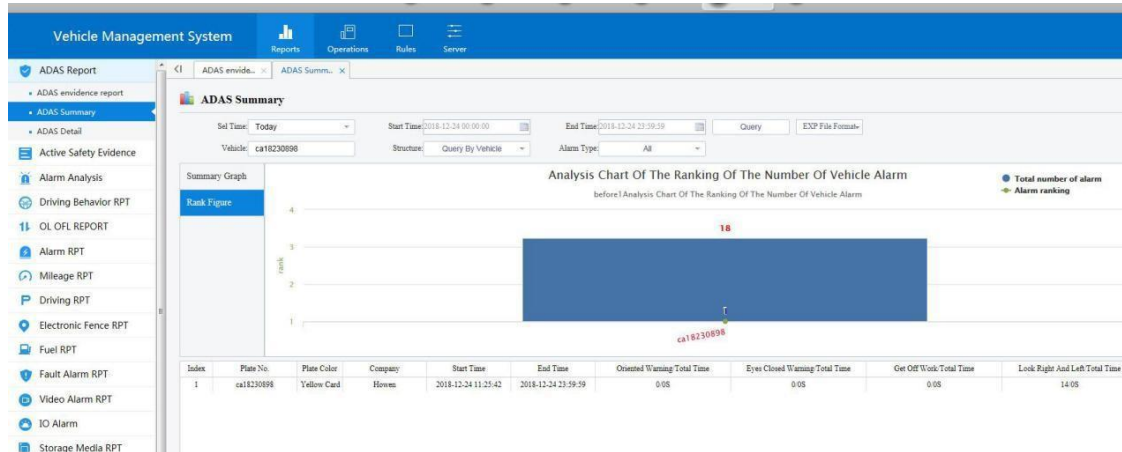
Statistics Report: driving behavior BPT, OL and OFL RPT, alarm RPT, Mileage RPT, Driving RPT, Electronic Fence RPT, Fuel RPT, Video Alarm RPT, IO Alarm RPT, Storage Media RPT, device UPG RPT, Multimedia, data require, User behavior RPT, passenger statistic RPT, etc..



2.1.1 ADAS report

The CMS platform support our DSM device already.

ADAS summary: Contains all info about ADAS reports.



ADAS detail: Get the detail info about the each alarm.

Vehicle Management System

Reports Operations Rules Server

ADAS Report

- ADAS evidence report
- ADAS Summary
- ADAS Detail

Active Safety Evidence

Alarm Analysis

Driving Behavior RPT

OL OFL REPORT

Alarm RPT

Mileage RPT

Driving RPT

Electronic Fence RPT

Fuel RPT

Fault Alarm RPT

Video Alarm RPT

IO Alarm

Storage Media RPT

ADAS Detail

Sel Time: Last 7 Days Start Time: 2018-11-28 00:00:00 End Time: 2018-12-04 23:59:59 Query EXP File Format

Vehicle: CA18230412 Type: All Handle Status: All

Index	Plate No.	Driver Name	Company	Plate Color	Type	Start Time	End Time	Alarm Duration	Position	Handle Status
1	CA18230412	Kking_test	Kking_test	Yellow Card	Yawn	2018-11-28 17:43:42			0.000000,0.000000	Untreated
2	CA18230412	Kking_test	Kking_test	Yellow Card	Yawn	2018-11-28 17:43:43			0.000000,0.000000	Untreated
3	CA18230412	Kking_test	Kking_test	Yellow Card	Look Right And Left	2018-11-28 17:43:52			0.000000,0.000000	Untreated
4	CA18230412	Kking_test	Kking_test	Yellow Card	Look Right And Left	2018-11-28 17:43:53			0.000000,0.000000	Untreated
5	CA18230412	Kking_test	Kking_test	Yellow Card	Look Right And Left	2018-11-28 17:44:13			广东省深圳市南山区麒麟山二号路84	Untreated
6	CA18230412	Kking_test	Kking_test	Yellow Card	Look Right And Left	2018-11-28 17:44:16			广东省深圳市南山区麒麟山二号路84	Untreated
7	CA18230412	Kking_test	Kking_test	Yellow Card	Look Right And Left	2018-11-28 17:49:53			广东省深圳市南山区麒麟山二号路84	Untreated
8	CA18230412	Kking_test	Kking_test	Yellow Card	Look Right And Left	2018-11-28 17:49:56			广东省深圳市南山区麒麟山二号路84	Untreated
9	CA18230412	Kking_test	Kking_test	Yellow Card	smoking	2018-11-28 17:52:06			广东省深圳市南山区麒麟山二号路84	Untreated
10	CA18230412	Kking_test	Kking_test	Yellow Card	smoking	2018-11-28 17:52:09			广东省深圳市南山区麒麟山二号路84	Untreated
11	CA18230412	Kking_test	Kking_test	Yellow Card	Yawn	2018-11-28 17:52:26			广东省深圳市南山区麒麟山二号路84	Untreated
12	CA18230412	Kking_test	Kking_test	Yellow Card	Yawn	2018-11-28 17:52:28			广东省深圳市南山区麒麟山二号路84	Untreated
13	CA18230412	Kking_test	Kking_test	Yellow Card	Look Right And Left	2018-11-28 17:52:40			广东省深圳市南山区麒麟山二号路84	Untreated
14	CA18230412	Kking_test	Kking_test	Yellow Card	Look Right And Left	2018-11-28 17:52:43			广东省深圳市南山区麒麟山二号路84	Untreated
15	CA18230412	Kking_test	Kking_test	Yellow Card	Look Right And Left	2018-11-28 17:52:53			广东省深圳市南山区麒麟山二号路84	Untreated

2.1.2 Driving behavior analysis

Driving behavior statistics RPT, Driving behavior query RPT, Driving track detail RPT.

Driving behavior: Statistical analysis system to obtain this report from the end of the reporting device over its GPS and alarm information.

Vehicle Management System

Location Video Track Playback Statistics Operations Rules Server admin

Driving Behavior RPT

- Driving Behavior Statistics RPT
- Driving Behavior Query RPT
- Traveling Track Detail RPT

OL and OFL RPT

Alarm RPT

Mileage RPT

Driving RPT

Electronic Fence RPT

Fuel RPT

Fault Alarm RPT

Video Alarm RPT

IO Alarm RPT

Storage Media RPT

Device UPG RPT

Multimedia

Data Query

User Behavior RPT

Passenger Statistics RPT

Traveling Track Detail RPT

Sel Time: Today Start Time: 2016-03-30 00:00:00 End Time: 2016-03-30 23:59:59 Query EXP File Format

Vehicle: 湘E46761 Species: OM Time Interval: 0Seconds

Speed >= 0KM/H

*PNG *JPEG Converted to Pictures Restore Photo way: After turning pictures - right in the picture save picture as

Velocity Curve (KM / H)

Velocity Curve (KM / H)

Index	Plate No.	Plate Color	Time	Mileage (KM)	Current Position	Speed (KM / H)
1	湘E46761	Yellow Card	2016-03-30 06:00:28	43654.331	27.101871,110.811783	0.00
2	湘E46761	Yellow Card	2016-03-30 06:00:38	43654.332	27.106683,110.811185	0.00
3	湘E46761	Yellow Card	2016-03-30 06:00:48	43654.332	27.106691,110.811197	0.00
4	湘E46761	Yellow Card	2016-03-30 06:00:58	43654.332	27.106612,110.811197	0.00
5	湘E46761	Yellow Card	2016-03-30 06:01:08	43654.332	27.106612,110.811197	0.00

Per Date 15 Page Total 172Page Displaying by 1 to 15 Total of 2577 Records

Export Excel, figure as below

Index	Vehicle	report.plateColor	Time	Position	Speed(KM/H)	Mileage(KM)
1	湘E46761	Yellow	2016-03-30 06:00:28	27.101871, 110.811783	0	43854.331
2	湘E46761	Yellow	2016-03-30 06:00:38	27.106583, 110.811165	0	43854.332
3	湘E46761	Yellow	2016-03-30 06:00:48	27.106591, 110.811197	0	43854.332
4	湘E46761	Yellow	2016-03-30 06:00:58	27.106612, 110.811197	0	43854.332
5	湘E46761	Yellow	2016-03-30 06:01:08	27.106612, 110.811197	0	43854.332
6	湘E46761	Yellow	2016-03-30 06:01:18	27.106612, 110.811197	0	43854.332
7	湘E46761	Yellow	2016-03-30 06:01:27	27.106612, 110.811197	0	43854.332
8	湘E46761	Yellow	2016-03-30 06:01:28	27.106612, 110.811197	0	43854.332
9	湘E46761	Yellow	2016-03-30 06:01:38	27.106612, 110.811197	0	43854.332
10	湘E46761	Yellow	2016-03-30 06:05:48	27.106604, 110.811181	2	43854.332
11	湘E46761	Yellow	2016-03-30 06:05:58	27.106673, 110.811165	0	43854.341
12	湘E46761	Yellow	2016-03-30 06:06:08	27.106599, 110.811197	6	43854.346
13	湘E46761	Yellow	2016-03-30 06:06:18	27.106298, 110.811230	13	43854.363
14	湘E46761	Yellow	2016-03-30 06:06:28	27.105932, 110.811425	15	43854.402
15	湘E46761	Yellow	2016-03-30 06:06:38	27.105570, 110.811588	17	43854.443
16	湘E46761	Yellow	2016-03-30 06:06:48	27.105114, 110.811881	21	43854.497
17	湘E46761	Yellow	2016-03-30 06:06:58	27.104744, 110.812207	20	43854.549
18	湘E46761	Yellow	2016-03-30 06:07:08	27.104195, 110.812109	26	43854.61
19	湘E46761	Yellow	2016-03-30 06:07:18	27.103519, 110.811832	28	43854.689
20	湘E46761	Yellow	2016-03-30 06:07:28	27.102888, 110.811783	25	43854.759
21	湘E46761	Yellow	2016-03-30 06:07:38	27.102351, 110.811897	19	43854.823
22	湘E46761	Yellow	2016-03-30 06:07:48	27.102152, 110.811425	27	43854.88
23	湘E46761	Yellow	2016-03-30 06:07:58	27.102075, 110.810563	32	43854.964
24	湘E46761	Yellow	2016-03-30 06:08:08	27.101969, 110.809570	37	43855.061
25	湘E46761	Yellow	2016-03-30 06:08:18	27.101534, 110.808642	38	43855.165
26	湘E46761	Yellow	2016-03-30 06:08:28	27.100915, 110.807698	43	43855.276
27	湘E46761	Yellow	2016-03-30 06:08:38	27.100154, 110.806787	47	43855.4
28	湘E46761	Yellow	2016-03-30 06:08:48	27.099202, 110.805940	49	43855.533
29	湘E46761	Yellow	2016-03-30 06:08:58	27.098274, 110.804996	49	43855.673
30	湘E46761	Yellow	2016-03-30 06:09:08	27.097408, 110.804020	47	43855.809
31	湘E46761	Yellow	2016-03-30 06:09:18	27.096667, 110.802945	49	43855.94
32	湘E46761	Yellow	2016-03-30 06:09:28	27.095853, 110.801839	52	43856.082
33	湘E46761	Yellow	2016-03-30 06:09:38	27.094763, 110.800944	55	43856.232
34	湘E46761	Yellow	2016-03-30 06:09:48	27.093676, 110.800130	52	43856.382

2.1.3 OL and OFL RPT

OL and OFL RPT: the devices upload GPS location data to server, and server analysis the vehicle online and offline times and get the result of rate .

Summary RPT of OL and OFL, Detail RPT of OL and OFL.

The following example on the vehicle assembly line instructions: Find a device in the upper and lower case, then check.

Index	Plate No.	Plate Color	Start Time	End Time	Total OL	Total OFL
1	湘E46761	Yellow Card	2016-03-30 06:01:37	2016-03-30 06:01:37	1	1

2.1.4 Alarm RPT

Alarm RPT are composed of two report: Alarm Statistics report, Alarm query report, the police report this information is mainly based on statistical analysis of alarm information on the terminal device.

The screenshot shows the 'Alarm Statistics RPT' report in the Vehicle Management System. The interface includes a top navigation bar with options like Location, Video, Track, Playback, Statistics, Operations, Rules, and Server. A left sidebar lists various reports such as Driving Behavior RPT, OL and OFL RPT, Alarm RPT, Alarm Statistics RPT (selected), Mileage RPT, Driving RPT, Electronic Fence RPT, Fuel RPT, Fault Alarm RPT, Video Alarm RPT, IO Alarm RPT, and Storage Media RPT. The main content area displays the 'Alarm Statistics RPT' for vehicle 'ME46751' from 'Last 1 Month'. It includes filters for Start Time (2016-02-02 00:00:00) and End Time (2016-03-30 23:59:59), and a 'Query' button. Below the filters is a table with columns: Index, Plate No., Plate Color, Start Time, End Time, and various alarm types. A single row is visible with Index 1, Plate No. ME46751, Plate Color Yellow Card, Start Time 2016-02-02 05:23:42, and End Time 2016-02-04 07:09:37.

Alarm query: as shown in FIG.

The screenshot shows the 'Alarm Query RPT' report in the Vehicle Management System. The interface is similar to the previous screenshot, with the same navigation and sidebar. The main content area displays the 'Alarm Query RPT' for vehicle 'ME46751' from 'Last 7 Days'. It includes filters for Start Time (2016-03-24 00:00:00) and End Time (2016-03-30 23:59:59), and a 'Query' button. Below the filters is a table with columns: Index, Plate No., Plate Color, Alarm Type, Alarm Source, Start Time, End Time, Alarm Duration, Start Speed (km/h), End Speed (km/h), Starting Position, and End Position. The table contains 15 rows of alarm data, including details like 'Yellow Card ACC Ignition Device' and 'Yellow Card Overline Fault Device'.

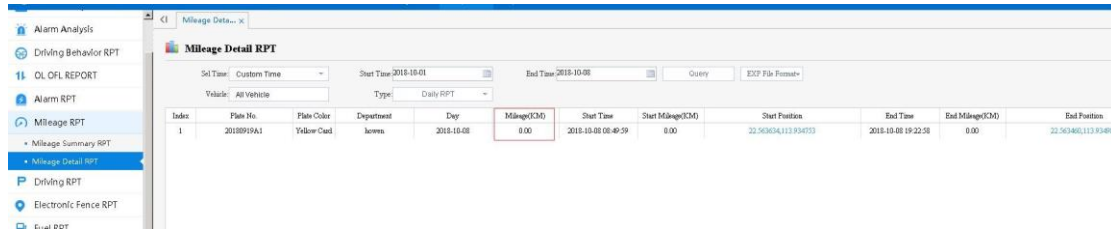
2.1.5 Mileage PRT

Mileage report includes Mileage Summary report and mileage detail report.

Select the time and vehicles, and click query. In summary, it will list the whole mileage info one time.

The screenshot shows the 'Mileage Summary RPT' report in the Vehicle Management System. The interface includes the same navigation and sidebar. The main content area displays the 'Mileage Summary RPT' for 'All Vehicle' from 'Last 1 Month'. It includes filters for Start Time (2018-09-09) and End Time (2018-10-07), and a 'Query' button. Below the filters is a table with columns: Index, Plate No., Plate Color, Department, Mileage(KM), Start Time, Start Mileage(KM), Start Position, End Time, End Mileage(KM), and End Position. The table contains 15 rows of mileage data, including details like 'Yellow Card' and 'Yellow Card' with various mileage and position values.

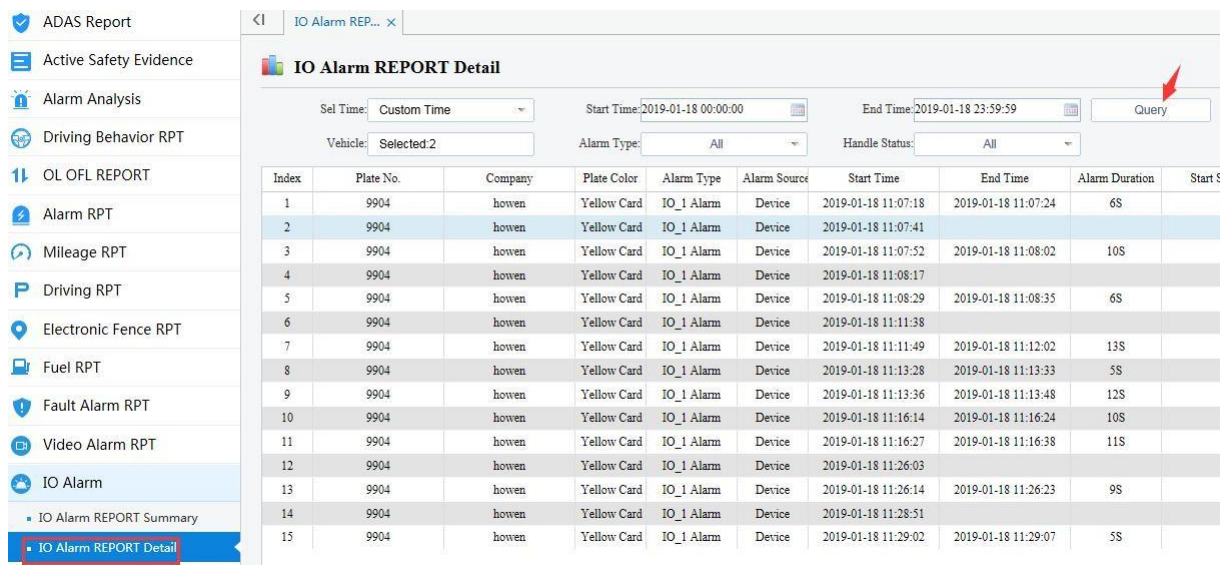
For detail, you can choose Mileage detail report.



2.1.6 I/O Alarm

When you have set the I/O alarm on the device in **Alarm-I/O** menu.

Then you can check it. It contains summary and detail.

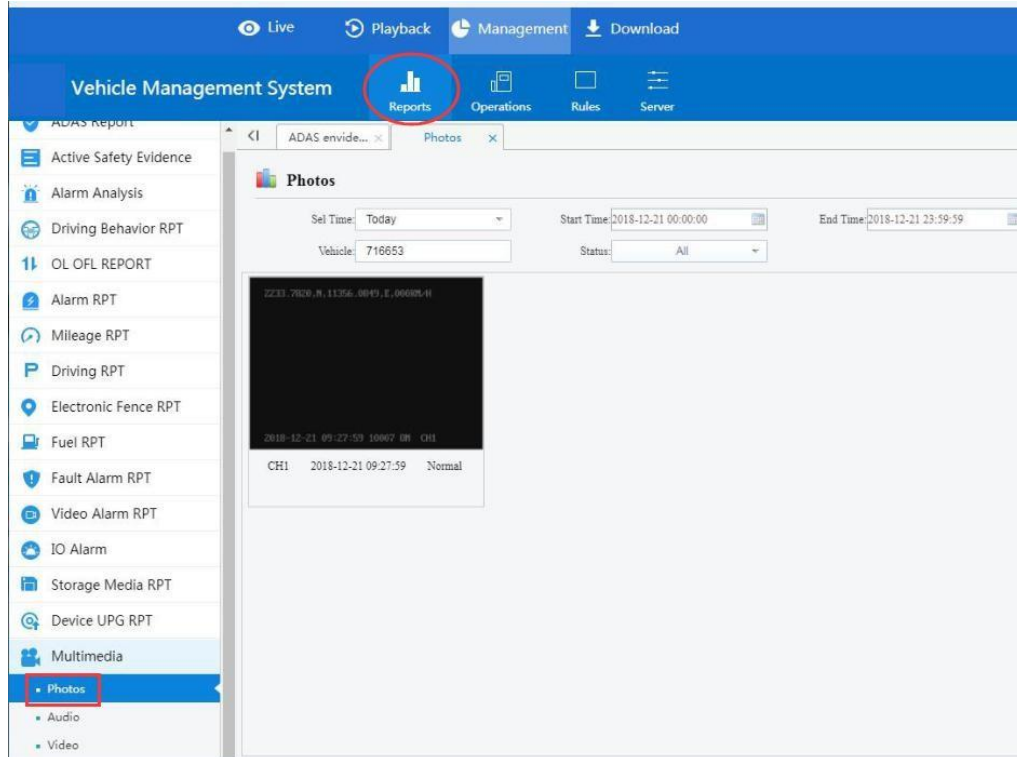


2.1.7 Multimedia

By this report, you can check the alarm files which have been saved in the Storage server.

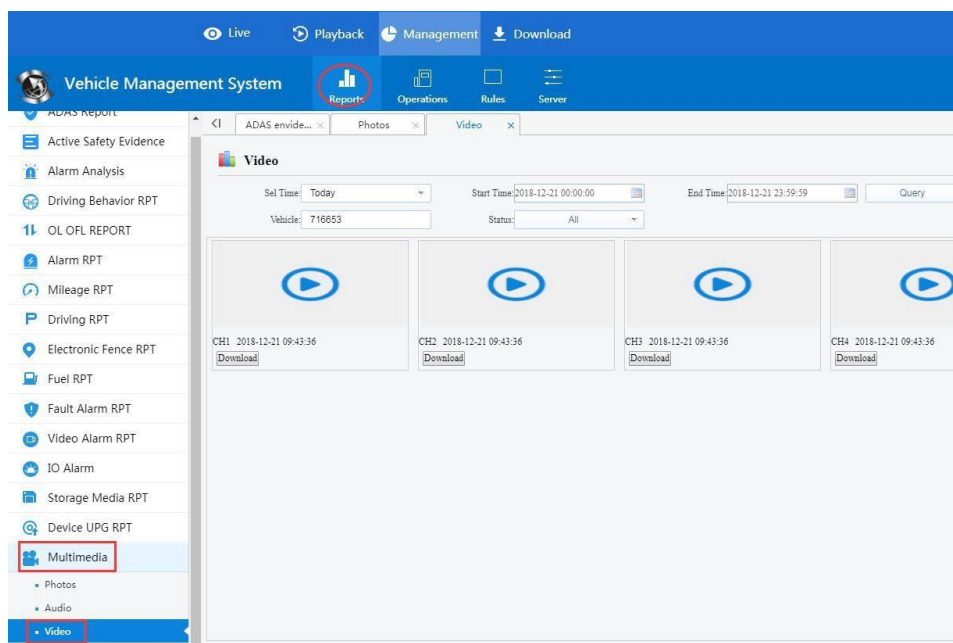
Besides, you can check these files in Playback icon directly.

Pictures: Snapshot from device.



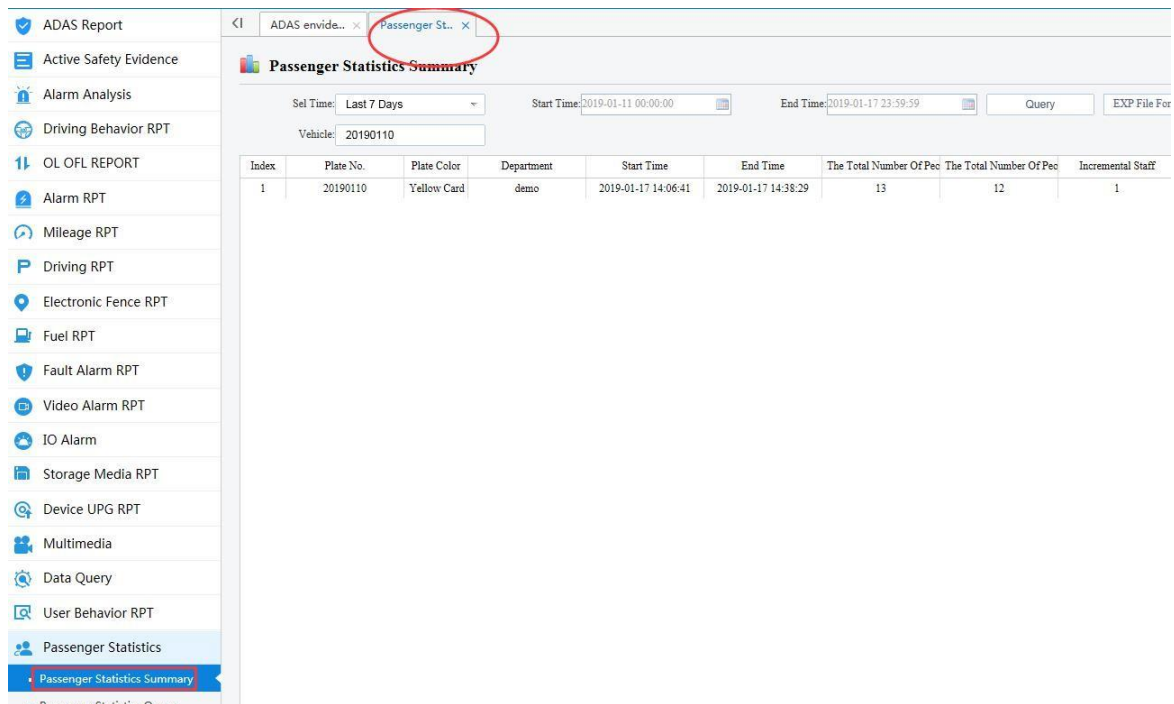
Audio: Not available.

Video: Alarm files which upload from the device.



2.1.8 Passenger Statics

When you have connected the people counter with device via RS232. Then you can check the statics.



Index	Plate No.	Plate Color	Department	Start Time	End Time	The Total Number Of Pec	The Total Number Of Pec	Incremental Staff
1	20190110	Yellow Card	demo	2019-01-17 14:06:41	2019-01-17 14:38:29	13	12	1

For detail, select **Passenger statics Query**.

2.1.9 Other RPT

Other reports will be analysis by the specific features.

Active Safety Evidence, Alarm Analysis, Data Query, User Behavior PRT, Temperature PRT, Driver Punch Card Records, Positioning analysis PRT, Passenger Report. Those function are reserved.

Driving PRT, For Parking and Night Driving statics, should set in the **Rule--Parking and Night Driving** first. Then you can check the records.

Electronic Fence PRT, should set in the Rule(**Refer to 5.3.2 GEO fence**) first.

Fuel PRT, should be work with Fuel sensor.

Fault Alarm PRT, GPS loss report.

Video Alarm PRT, contains video loss, motion detection alarm(you have set in the device first), video cover alarm report.

Storage Media PRT, report about HDD/SD information.

Device Upgrade PRT: It will record the devices which have been upgraded by remote online upgrade.

2.2 Operations

We can manage devices in this page.

The screenshot shows the HOwen Vehicle Management System interface. The top navigation bar includes 'Live', 'Playback', 'Management', and 'Download'. The left sidebar lists various management options like Motorcade, User, Role, Company, Device, SIM Card, Driver, Insurance, etc. The main area displays a table of vehicles with columns for Index, Plate No., SIM No., Plate Type, Device No., Vehicle Color, Status, Company, Last Time On Line, and Install Date. The table contains 6 records.

Index	Plate No.	SIM No.	Plate Type	Device No.	Vehicle Color	Status	Company	Last Time On Line	Install Date
1	20007	20007	Yellow Card	20007		Normal,Line	CompanyA	2017-08-09 16:46:51	2017-07-26 00:00:00
2	66666		Yellow Card	66666		Normal,Line	CompanyA	2017-05-22 19:18:05	2017-08-09 16:45:00
3	aaa	0715	Yellow Card	0715		Normal,Off	CompanyA	2017-08-04 18:16:14	2017-07-28 00:00:00
4	40001	40001	Yellow Card	40001		Normal,Off	CompanyA	2016-08-08 08:23:18	2017-08-04 00:00:00
5	10001		Yellow Card	10001		Normal,Off	CompanyA	2017-08-06 09:50:35	2017-08-04 00:00:00
6	99999		Yellow Card	99999		Normal,Off	CompanyA	2017-08-09 16:34:35	2017-08-08 15:50:00

2.2.1 Vehicle

This screenshot shows a detailed view of the vehicle management page. The table includes columns for Vehicle Type, Device No., Vehicle Color, Status, Company, Last Time On Line, Install Date, Service Expiration, and Operate. The Operate column contains icons for Copy, Edit, Add User, and Delete. The 'Quick Add' and 'Add' buttons are highlighted with a red box.

Vehicle Type	Device No.	Vehicle Color	Status	Company	Last Time On Line	Install Date	Service Expiration	Operate
bw Card	300334		Normal,Online	8888	2018-07-28 11:00:39	2018-07-10 00:00:00	No Service	Copy Edit Add User Delete
bw Card	888888		Normal,Online	AL023	2023-05-27 15:39:29	2018-07-26 17:57:06	No Service	Copy Edit Add User Delete
bw Card	168168		Normal,Offline	RD_test	2018-07-23 14:56:02	2018-03-19 00:00:00	No Service	Copy Edit Add User Delete
bw Card	9902		Normal,Offline	20180409	2018-07-13 11:18:21	2018-04-18 15:04:49	No Service	Copy Edit Add User Delete
bw Card	88999		Normal,Offline	Landen	2018-07-24 13:57:30	2018-05-23 00:00:00	No Service	Copy Edit Add User Delete
bw Card	d2484000		Normal,Offline	0001	2018-07-16 10:04:14	2018-05-28 00:00:00	No Service	Copy Edit Add User Delete
bw Card	144731		Normal,Offline	AL023	2018-07-18 11:43:23	2018-05-28 19:11:08	No Service	Copy Edit Add User Delete
bw Card	80022062		Normal,Offline	0001	2018-06-21 19:27:58	2018-06-21 00:00:00	No Service	Copy Edit Add User Delete
bw Card	2018071693		Normal,Offline	0001	2018-07-17 14:40:41	2018-07-16 17:49:12	No Service	Copy Edit Add User Delete
bw Card	60007		Normal,Offline	Landen	2018-07-20 16:58:26	2018-07-17 00:00:00	No Service	Copy Edit Add User Delete

A row of buttons for vehicle management: All Vehicle, Quick Add, Add, MOD Co., Batch Del, EXP Excel, IMP Excel.

ALL Vehicle: List all the vehicles.

Quick Add /Add: Add the vehicle, input the vehicle's info. The difference is **Add** contains more information.

Device NO. : It's **Phone NO. currently** . In future, we will use a fixed number as default.

Plate NO.: You can name it.

Terminal Type : Need set the channels number.

Company/Motorcade: Select the company for this vehicle, you can create directly by



icon.

User Belongs : Assign an user for it.

Add Vehicle	
Device No.	<input type="radio"/> Single Add <input type="radio"/> Bulk Add Device No. <input type="text"/> ✓ *
Plate No.	<input type="text"/> *
SIM No.	<input type="text"/>
Plate Type	Yellow Card
Abbreviation	<input type="text"/>
Factory Type	Unknown
Terminal Type	Video Terminal *
Channel Param	Number 4
	CH1 <input type="text"/> CH2 <input type="text"/> CH3 <input type="text"/> CH4 <input type="text"/>
Vehicle Icon	
Company / Motorcade	Sel Co. <input type="text"/> *
User Belongs	<input type="text"/>

Save Close

The following picture is **Add interface**, it has more details than **Quick Add**.

Add Vehicle
✕

Basic Info

Plate No. *	Vehicle Color
Company Sel Co. *	Plate Type Yellow Card *
Use Status Normal *	Driver
Abbreviation	Brand
Vehicle Type	Purposes
Service Start Date 2018-07-28 00:00:00	Service Period(On Monthly Basis)
Install Date 2018-07-28 00:00:00	Vehicle Grade
Approved Number	Approved Load (ton)
Engine Number	
联系人	联系人电话
Vehicle Icon	

Device Info

Device1(Master Device)

Device No. *	Terminal Type <input checked="" type="checkbox"/> Video Terminal
SIM No.	
Channel Param Number 4	CH1 CH2 CH3 CH4
IO Input Param Number 0	
Sensor Number 0	

2.2.2 Motorcade

< Motorcade
>

Co. List

Find Co.:

- 0625 (Unassigned:0)
- 1010 (Unassigned:0)
- 8888 (Unassigned:1)
- 070401 (Unassigned:0)
- 20180402 (Unassigned:0)
- 20180403 (Unassigned:0)
- 20180409 (Unassigned:0)
- 20180709 (Unassigned:0)
- A1 (Unassigned:0)
- A2 (Unassigned:0)
- A3 (Unassigned:0)
- AL023 (Unassigned:2)**
- CompanyA (Unassigned:0)
- A (0)
- A-1 (0)
- B (0)
- demo (Unassigned:0)

Assigned Vehicle

Find Vehicle:

Index	Plate No.	Company

Unassigned Vehicle

Find Vehicle:

Index	Plate No.	Company	
<input type="checkbox"/>	1	144731-A1	AL023
<input type="checkbox"/>	2	888888	AL023

<< Move to Motorcade

Out Of Motorcade >>

Per Data 50 The 1 Page Total 1Page

Per Data 50 The 1 Page Total 1Page

Add Motorcade MOD Motorcade Delete Motorcade Move Motorcade

You can drag to move the team, the motorcade can only move to the subordinate company of the company and the motorcade of the company, motorcade under the same company can move to each other;
Click on the company, you can refresh unassigned vehicle,Click on the motorcade, you can refresh the assigned vehicle;The vehicle must first be removed from the other motorcade, in order to be assigned to other motorcade; Vehicles can only be assigned to the motorcade of under the company;

You can add a motorcade under the user, and assign or not assign vehicles under this user account.

2.2.3 User

Index	Login Account	Name	Update Time	Company	Status	Operate
1	Aadmin	Aadmin	2017-04-14 20:06:02	CompanyA	use	▼ 👤 ⏸ 🖋 ✕
2	0717	0717	2017-07-17 14:13:03	CompanyA	use	▼ 👤 ⏸ 🖋 ✕
3	123456	123456	2017-12-19 22:29:51	CompanyA	use	▼ 👤 ⏸ 🖋 ✕
4	Auser01	Auser01	2018-02-05 15:45:37	CompanyA	use	▼ 👤 ⏸ 🖋 ✕
5	0308	0308	2018-03-08 16:39:29	CompanyA	use	▼ 👤 ⏸ 🖋 ✕
6	0825	0825	2018-05-09 10:05:59	0825	use	▼ 👤 ⏸ 🖋 ✕
7	19	19	2017-08-25 11:03:21	19	use	▼ 👤 ⏸ 🖋 ✕
8	41	41	2017-08-25 11:06:04	19	use	▼ 👤 ⏸ 🖋 ✕
9	allen023	allen023	2018-07-16 18:18:12	AL023	use	▼ 👤 ⏸ 🖋 ✕
10	naadmin	naadmin	2017-09-19 17:06:05	NA	use	▼ 👤 ⏸ 🖋 ✕
11	demo	demo	2017-09-23 11:37:22	demo	use	▼ 👤 ⏸ 🖋 ✕
12	lll	lllll	2017-11-14 16:25:00	demo	use	▼ 👤 ⏸ 🖋 ✕
13	A1	A1	2017-12-01 14:44:57	A1	use	▼ 👤 ⏸ 🖋 ✕
14	abc	abc	2017-12-01 14:50:38	A1	use	▼ 👤 ⏸ 🖋 ✕
15	A2	A2	2017-12-01 14:46:01	A2	use	▼ 👤 ⏸ 🖋 ✕

You can add and manage the users.

Change password:

The screenshot shows a 'Change Password' dialog box with the following fields and controls:

- New Password:** Input field with an asterisk (*) indicating it is required.
- Confirm Password:** Input field with an asterisk (*) indicating it is required.
- Save:** Button to submit the changes.

The background shows a table with columns: Update Time, Company, Status, and Operate. A red circle highlights a dropdown arrow in the 'Operate' column of the first row, with a red arrow pointing to the dialog box.

Vehicle authorization

Name	Update Time	Company	Status	Operate
Aadmin	2017-04-14 20:06:02	CompanyA	use	
0717	2017-07-17 14:13:03	CompanyA	use	
123456	2017-12-19 22:29:51	CompanyA	use	

Vehicle Authorization

Unauthorized: Sel Co. Vehicle Name Selected User: 0717

Index	Plate No.	Company	Motorcade	Operate

The Grey color means it's the master account, it already has the authorization.

The green color means the master account can assign or authorize some vehicles under this account.



Get the details about this account.



: Edit this account: change user name and level, change one of the roles that under this company.

0717 0717 2017-07-17 14:13:03 CompanyA use

Edit User

Basic Info

Company	CompanyA	User Name	0717
Login Account	0717	Status	use
The Validity	2019-07-30 00:00:00	Disable Password Modification	no
Single Sign On	no	User Level	I
Role Name(assign permissions)	aaa		

Save Close

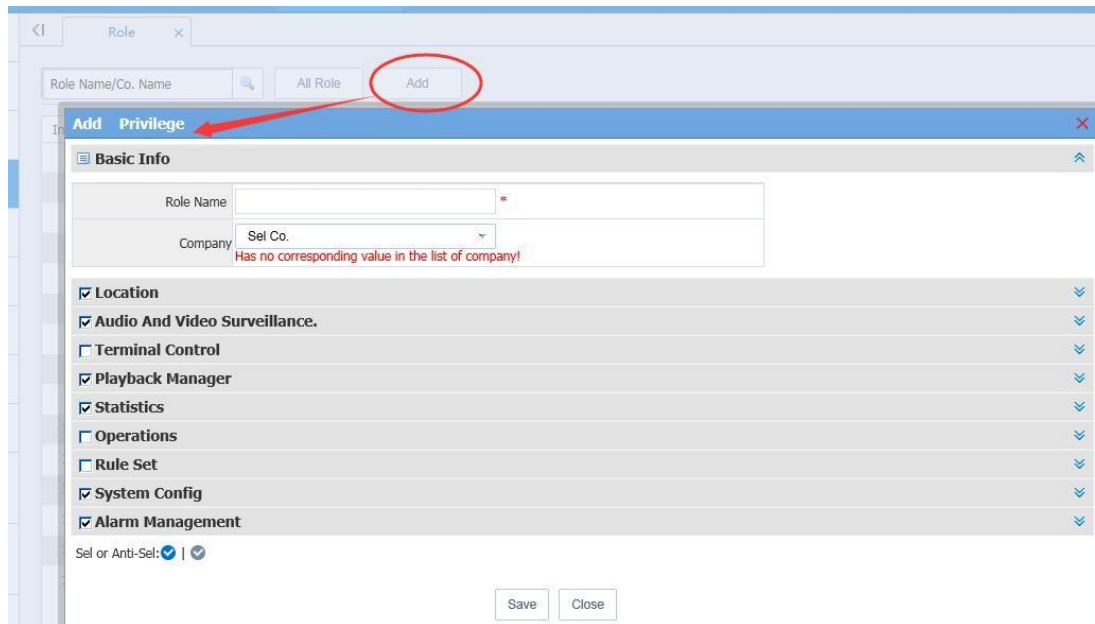


: Delete this account.

2.2.4 Role

Role means the combination of authorization.

Create a role or some roles for this company, authorize what actions could be done.



 : Edit this role;

 : Delete this role.

2.2.5 Company

You can add or mange the company.

Index	Co. Name	Industry	Main Account	Contacts	Telephone	Parent Co.	Operate
1	CompanyA	Logistics and Transp	Aadmin			admin	▼ ⊕ ✎ ✕
2	0825	Logistics and Transp	0825			admin	▼ ⊕ ✎ ✕
3	19	Logistics and Transp	19			admin	▼ ⊕ ✎ ✕
4	AL023	Logistics and Transp	allen023			admin	▼ ⊕ ✎ ✕
5	NA	Logistics and Transp	naadmin			admin	▼ ⊕ ✎ ✕
6	demo	Logistics and Transp	demo			admin	▼ ⊕ ✎ ✕
7	A1	Logistics and Transp	A1			admin	▼ ⊕ ✎ ✕
8	A2	Logistics and Transp	A2			A1	▼ ⊕ ✎ ✕
9	A3	Logistics and Transp	A3			A1	▼ ⊕ ✎ ✕
10	Y	Logistics and Transp	yadmin			admin	▼ ⊕ ✎ ✕
11	1010	Logistics and Transp	1010			admin	▼ ⊕ ✎ ✕
12	0118	Logistics and Transp	0118			admin	▼ ⊕ ✎ ✕

2.2.6 Device

It shows the whole vehicles at present.

Device No.	SIM No.	Device Serial No	Device Identific	Device Type	Brand	Model	Company	Install Statu	Install Date
144731			●	Video Terminal			AL023	Installed	2018-06-25 11:01:45
888888			●	Video Terminal			AL023	Installed	2018-07-26 17:57:06
168168		168168	●	Video Terminal			RD_test	Installed	2018-06-22 19:28:41
d2484000		d2484000	●	Video Terminal			0001	Installed	2018-07-03 19:04:49
80022062		80022062	●	Video Terminal			0001	Installed	2018-06-21 12:00:24
2018071693		2018071693	●	Video Terminal			0001	Installed	2018-07-16 17:49:12

Add: Add new MDVR.

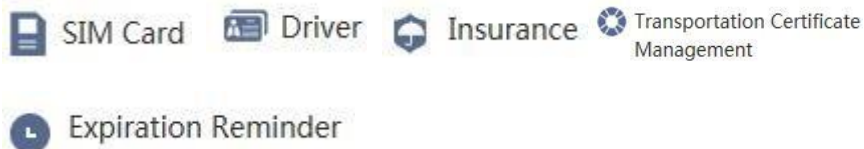
UnReg Device: If the MDVR has linked the server, but the VSS has not added this MDVR , it will show in the UnReg Device, you can click this button and quickly add it.

OL number: Online numbers;

EXP Excel : Export these information in Excel format.

Besides, you can add and edit every item.

2.2.7 Others



The operation are same, you can add, edit and delete it.

2.3 Rules

Rule means: Set a rule in the CMS system first, if the vehicle (device) break the rule, the system will detect it and push an alarm to the CMS . It's decided by the CMS system.

For example : GEO Fence in, set a GEO fence in the map of CMS system first, when the car get into this filed, the system will detect this action via the GPS location in the MDVR, and then it will push an alarm.

The rules contains 14 functions at present version : Fatigue, Prohibited Enter/Leave, Area Speed limit, Line Offset, Break Speed Limit, Key Points, Parking Timeout, Night Driving, Timing Pictures, Timer Recording, WiFi Download, Alarm Linkage, Abnormal Positioning .

The general setups includes:

1. Add rules.

2. Set the rules of the custom.
3. Assign the Rule to single device or multiple -devices.

Take the **Fatigue rule** for example (other rule's operation are same), the following text will give a detailed description of the operation.

2.3.1 Fatigue

Fatigue rules are the rules which ensure driver's safety. After driving the setting time (**Travel Time**), it will send alert to the CMS, and the driver need to rest over the setting time to remove the alarm.

A. Create the Rules

1. Click **Management** → **Rule** → **Fatigue**
2. Click **Add**
3. Input the basic Info :

Rule name: Input the rule name.

Travel Time: Set the time how long can continue driving.

Rest Time : Set the time for rest.

Minimum Speed: Set a speed for rule.

Time Range : Rule's work time.

Warning voice: Need the MDVR has installed the TTS(Text to Speech) device, the text info will be changed to a warning voice.

During the **Time Range**, if the car run at a speed faster than **Minimum Speed** and driving over the **Travel Time**, it will send an alarm to CMS.

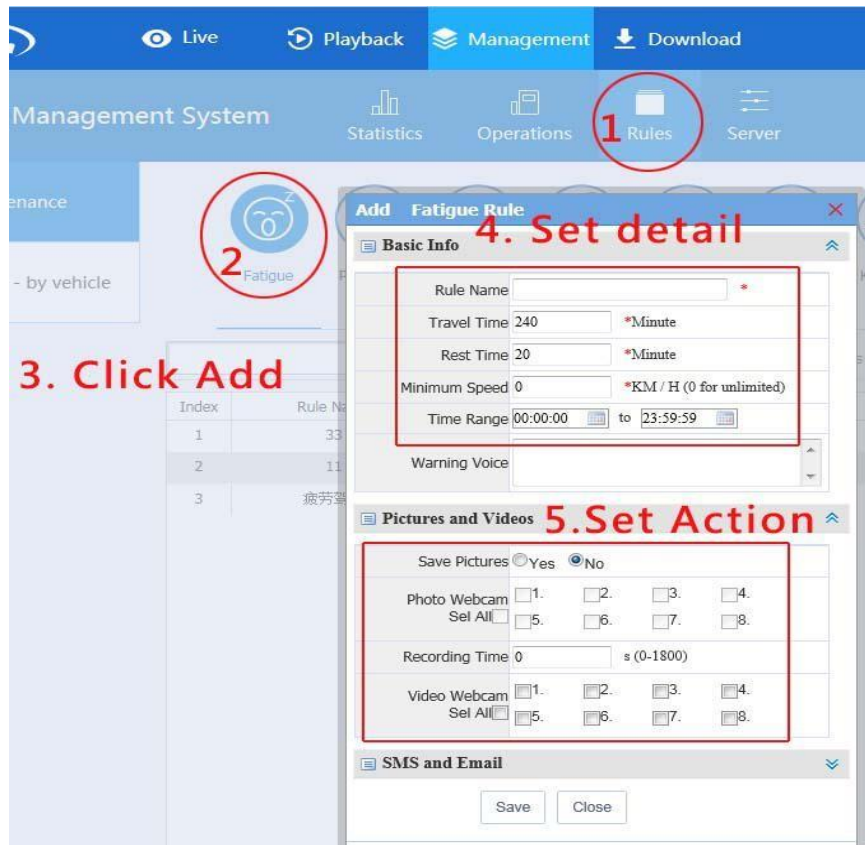
Canceling the alarm : Driving the car at a speed lower than the **Minimum Speed** and over the **Rest time**. If the driver didn't rest enough time (up to **Rest time** value or more than this value), it will trigger the alert again.

4. **Pictures and Videos:** It's used for setting the action when vehicle break the **Fatigue Rule**.

Pictures: Taking photo or not, by which camera. Select and tick it.

Videos: Recording or not, select camera

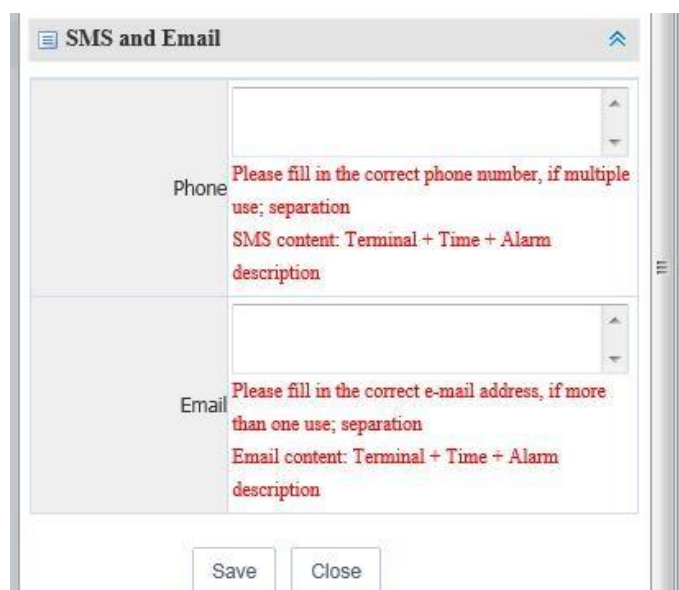
These files will be saved in the CMS server.



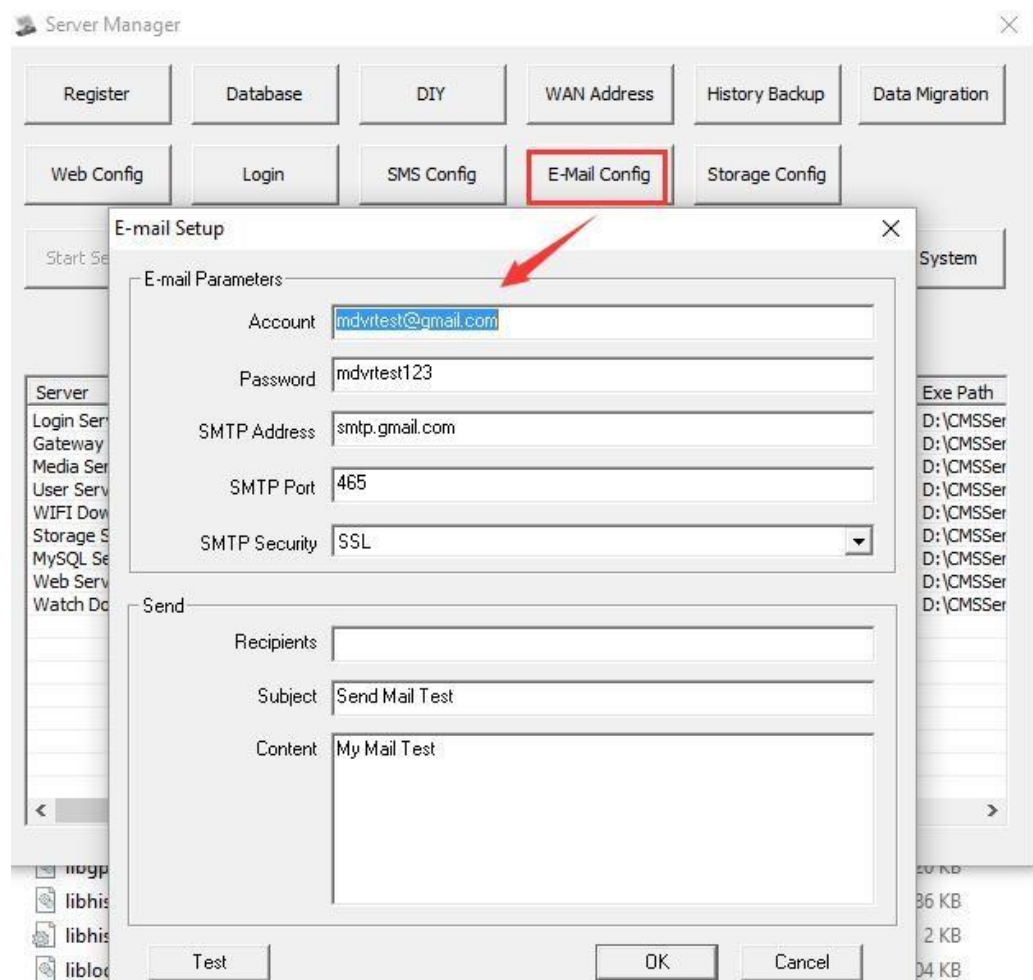
5. SMS and Email

SMS: needs hardware supports this function on the server's PC, and this function is reserved .

E-mail: Input the Email address as requirement formal. Besides, you need set the E-mail address on the CMS server first.



E-mail configuration (CMS server):



Apply an Email address in your country firstly,

Input **Account** and **password** of your email, and then **restart the gateway server**.

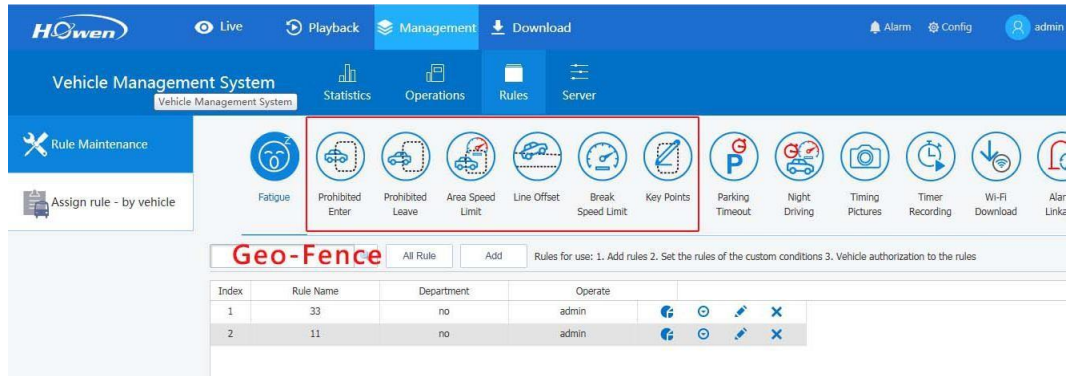
B. Assign the Rules

After setting the Rule, select the vehicles and assign the rule to them.

2.3.2 GEO Fence Rules

GEO Fence: Prohibited Enter/Leave, Area Speed limit, Line Offset, Break Speed Limit, Key Points .

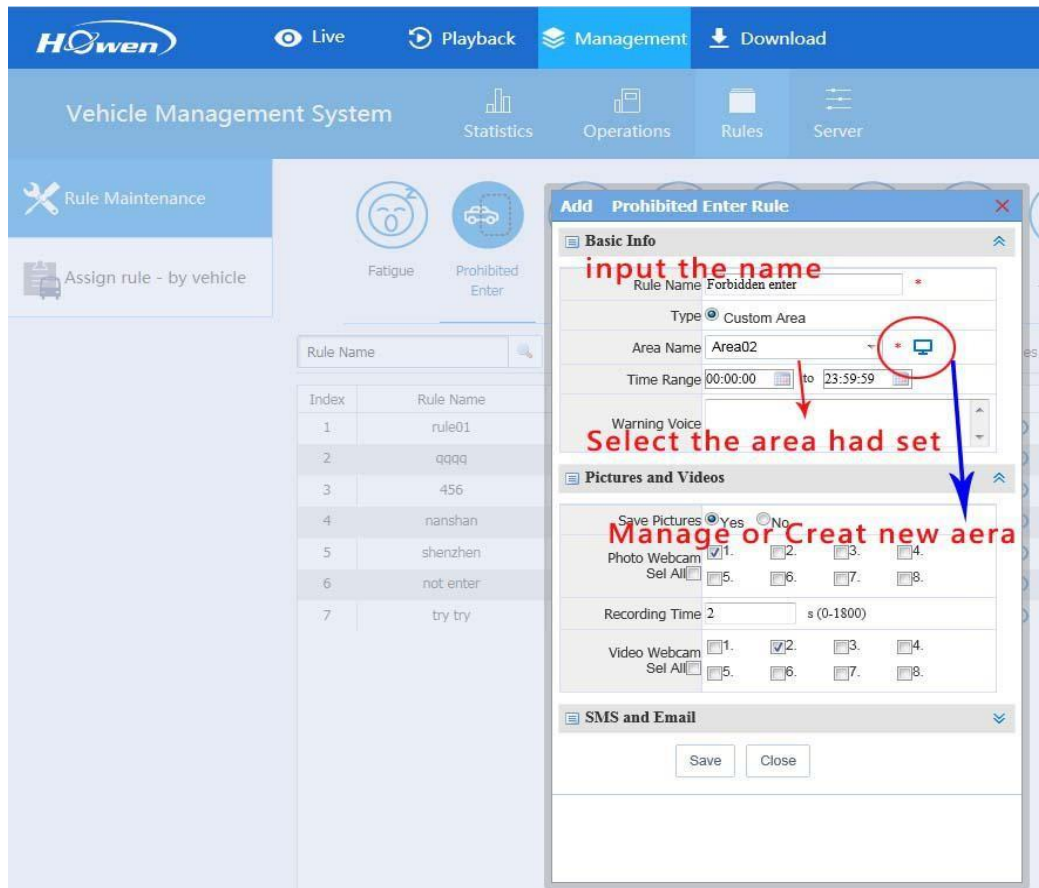
These 6 kinds of rules are decided by the map via the GPS location. So user must set the area in the map first. If the car break the rule, it will send alarm to CMS.



2.3.3 Prohibited Enter/Leave

Prohibited Enter: During the setting time, if the vehicle enters this area, it will send an alarm to CMS ;

Prohibited Leave: During the setting time, if the vehicle leaves this area, it will send an alarm to CMS.



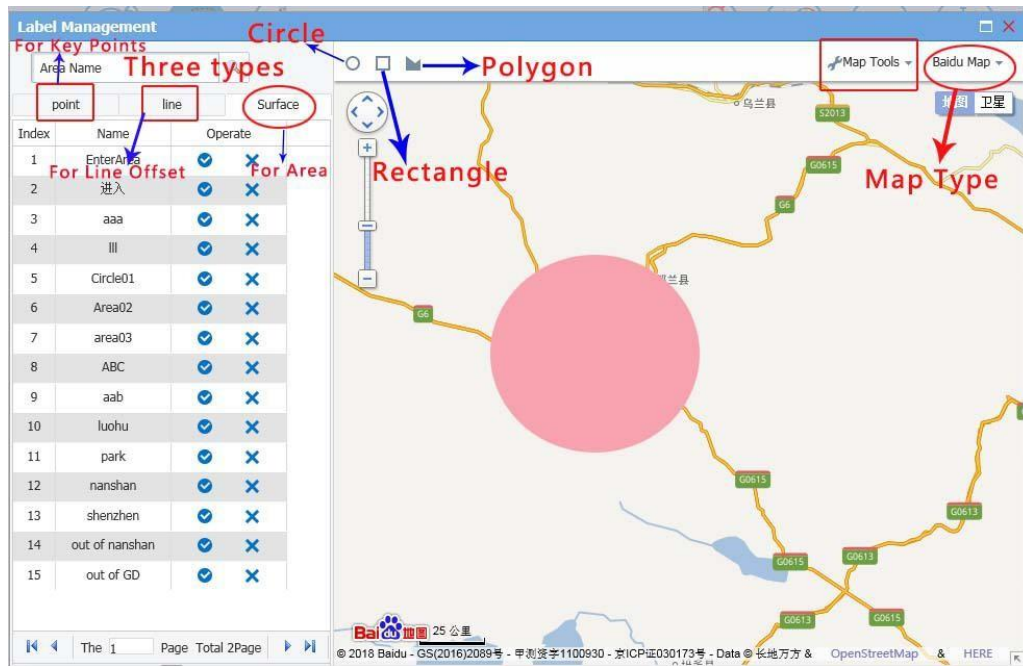
Take the **Prohibited Enter** for example:

1. Click **Management** → **Rule** → **Prohibited Enter**
2. Click **Add**
3. Input the **Basic Info**: Time, Area, name

Select the area if you had set before; Or you can create a new area, click the

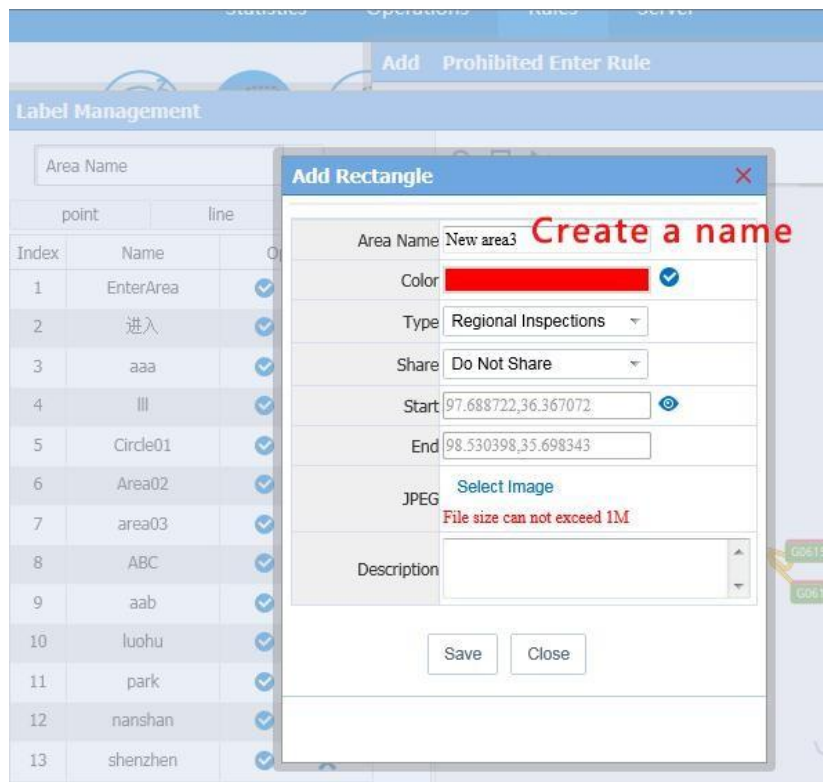


button, it will pop up a window like this :



In this windows you can edit or create new area.

Create: Click *circle*, *Rectangle* or *Polygon* tool to create a new area. Then name it.



Input a name or change the preferred color and type, and save it.

4. Set other information includes **Pictures and Videos**, **SMS and Email**, and save this rule.

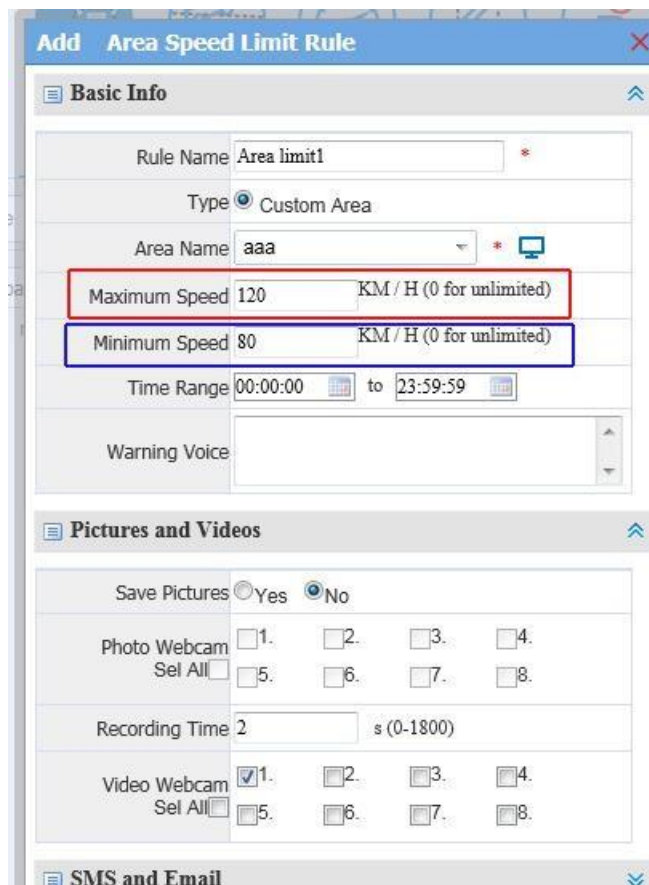
5. Assigned or unassigned the Rule to vehicles.

2.3.4 Area Speed limit

If the vehicle's speed up to the **Maximum Speed** during the setting time in certain area (time and area can be set), it will send an alarm to CMS.

During the setting time in the set area, if the car run a speed lower the **Minimum Speed**, it will send an alarm to CMS.

1. Click **Management** → **Rule** → **Area Speed Limit**.
2. Click **Add**;
3. Input Basic Info : name, type, speed, time range and **Area**.
4. Set other information includes **Pictures and Videos**, **SMS and Email** , and save this rule.
5. Assigned or unassigned the Rule to vehicles.




Add Area Speed Limit Rule

Basic Info

Rule Name: Area limit1 *

Type: Custom Area

Area Name: aaa * 

Maximum Speed: 120 KM / H (0 for unlimited)

Minimum Speed: 80 KM / H (0 for unlimited)

Time Range: 00:00:00 to 23:59:59

Warning Voice:

Pictures and Videos

Save Pictures: Yes No

Photo Webcam: 1. 2. 3. 4.
Sel All 5. 6. 7. 8.

Recording Time: 2 s (0-1800)

Video Webcam: 1. 2. 3. 4.
Sel All 5. 6. 7. 8.

SMS and Email

2.3.5 Line Offset

During the setting time, if the vehicle is **out** of the **Offset width**, it will not send an alarm;

During the setting time, if the vehicle is **in** the **Offset width**, and the vehicle run a speed below the **Minimum Speed**, it will send a low-speed alarm to CMS.

During the setting time, if the vehicle is **in** the **Offset width**, and the vehicle run a speed over the **Maximum Speed**, it will send an over-speed alarm to CMS.

1. Click **Management** → **Rule** → **Line Offset**

2. Click **Add**

3. Input Basic Info : name, speed, time range and Area, offset width

Area: Line, so you must set or Add a line first.

Offset Width: Set the offset width from the line you had set.

4. Set other information includes **Pictures and Videos**, **SMS and Email**, and save this rule.

5. Assigned or unassigned the Rule to vehicles.

The screenshot displays two side-by-side windows from a management software. The left window is titled 'Add Line Offset Rule' and contains a 'Basic Info' section with the following fields: Rule Name (Line offset 2), Area Name (L3), Maximum Speed (120 KM/H), Minimum Speed (80 KM/H), Offset Width (50 m), and Time Range (00:00:00 to 23:59:59). A red box highlights the 'Area Name' and 'Offset Width' fields, with a red arrow pointing to a 'Create or manage line' button. Below this are sections for 'Pictures and Videos' and 'SMS and Email'. The right window is titled 'Label Management' and features a table with columns for Index, Name, and Operate. The table lists four lines: L1, L2, L3, and line01. A red circle highlights the 'line' column header. To the right of the table is a map of the region, with a red circle around the 'Add new line' button. The map shows countries like Kazakhstan, Afghanistan, Pakistan, India, and Maldives, along with the Arabian Sea. The bottom of the interface shows a page number 'The 1 Page Total 1Page' and a copyright notice '© 2018 Baidu - GS(2016)2089号'.

2.3.6 Break Speed Limit

This function is the same as **Line Offset** function, but it's more powerful. You can manage more than one line. Set different rule for each line.

1. Click **Management** → **Rule** → **Break Speed Limit**

2. Click **Add**

3. Input Basic Info : name ,speed ,time range and **Line Line**:

Chose the **Line** first, if there is not ,create a new one.



: Add new line .Chose **Start** and **End** point, every line can be set different speed .

4. Set other information includes **Pictures and Videos**, **SMS and Email**, and save this rule.

5. Assigned or unassigned the Rule to vehicles.

During the setting time, if the vehicle is **out** of the Offset width, it will not send an alarm to CMS.


During the setting time, if the vehicle is **in** the Offset width, and the vehicle run a speed below the Minimum Speed, it will send a low-speed alarm to CMS.





During the setting time, if the vehicle is **in** the Offset width, and the vehicle run a speed over the Maximum Speed, it will an over-speed alarm CMS.

Add Break The Speed Limit Rule

Basic Info

Rule Name: L322NEW *

Line: L5 * 

Speed Limit Section	Starting Position	End Position	Minimum Speed	Max Speed	Radius	Operate
	1	2	20	40	50	 
	3	4	30	60	50	 

Time Range: 00:00:00 to 23:59:59

Warning Voice: Warning

Pictures and Videos

Save Pictures: Yes No

Photo Webcam: 1. 2. 3. 4. 5. 6. 7. 8.

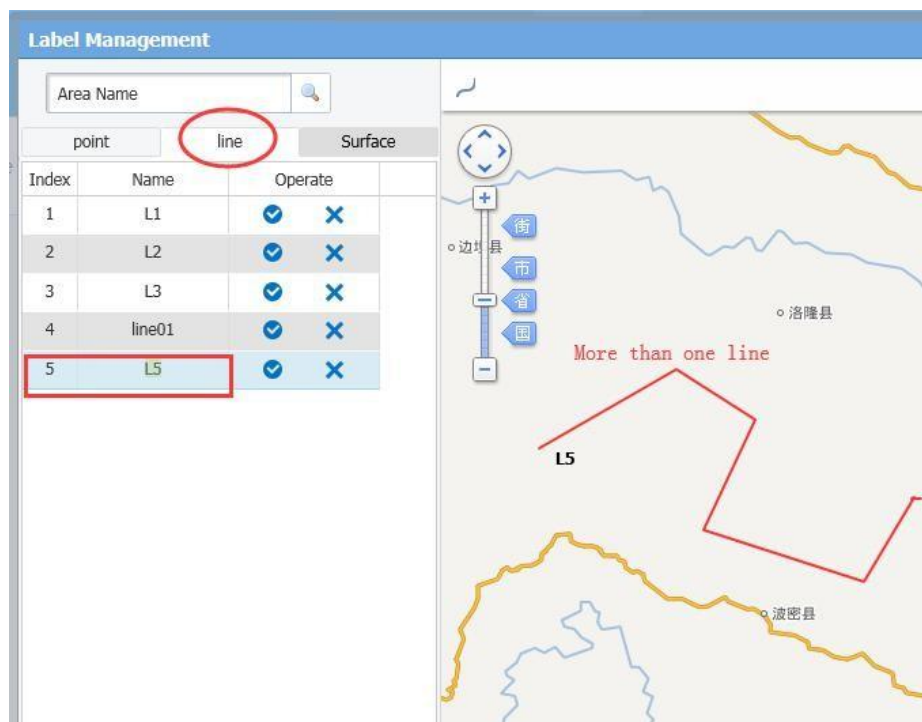
Recording Time: 20 s (0-1800)

Video Webcam: 1. 2. 3. 4. 5. 6. 7. 8.

SMS and Email

Save Close

Create a new Line in the map by click  button, and set a name for it.




2.3.7 Key points

Select a key point first, and set a radius, it makes up a circle(Area).

1. Click **Management** → **Rule** → **Key Points**
2. Click **Add**
3. Input Basic Info : name ,type ,time range and **key points**

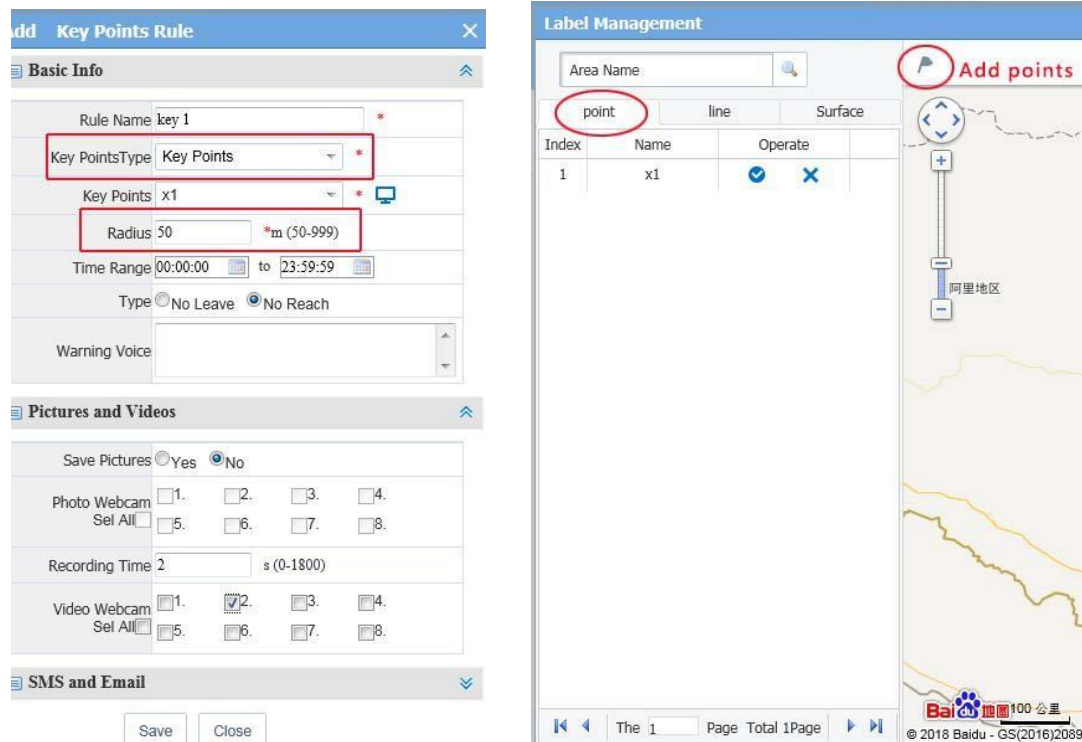
Radius: Set a radius number;

 : Add a new point.

4. Set other information includes **Pictures and Videos** ,**SMS and Email**, and save this rule.
5. Assigned or unassigned the Rule to vehicles.

During the setting time, if the vehicle did not **reach this area**, it will send an alarm to CMS.

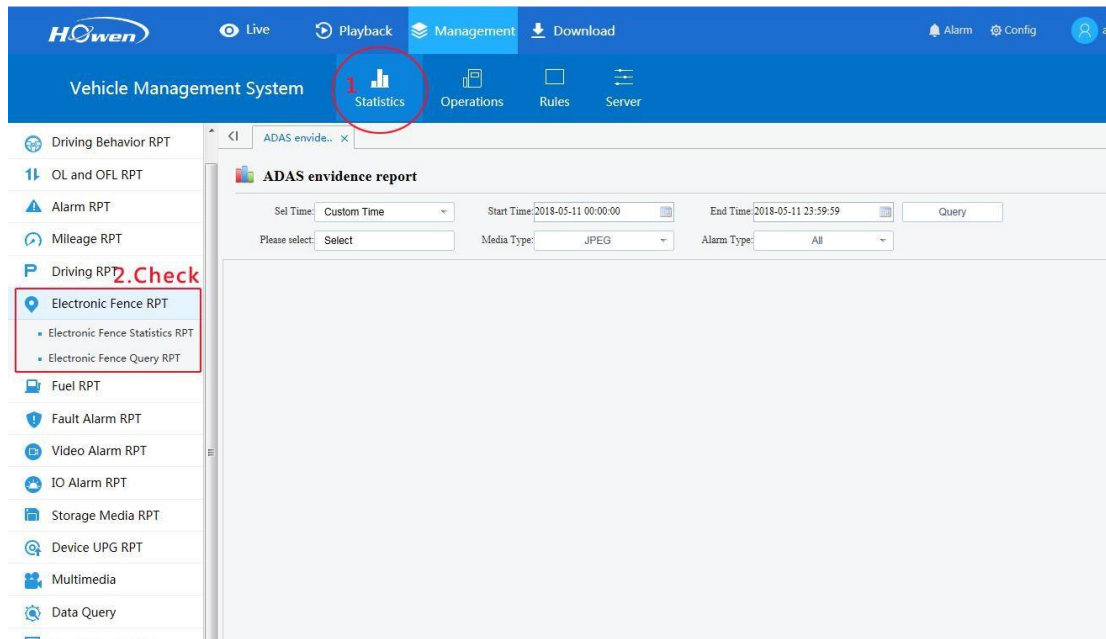
During the setting time, if the vehicle did not **leave this area**, it will send an alarm to CMS .



2.3.8 Check the Alarm Report

All the GEO fence information could be checked by the **Statics** as the following picture.

1. Select **Management** → **Statics** → **Electronic Fence RPT**
2. Select **time** and **vehicle**, and **query** or **export** the files .



2.3.9 Parking and Night Driving

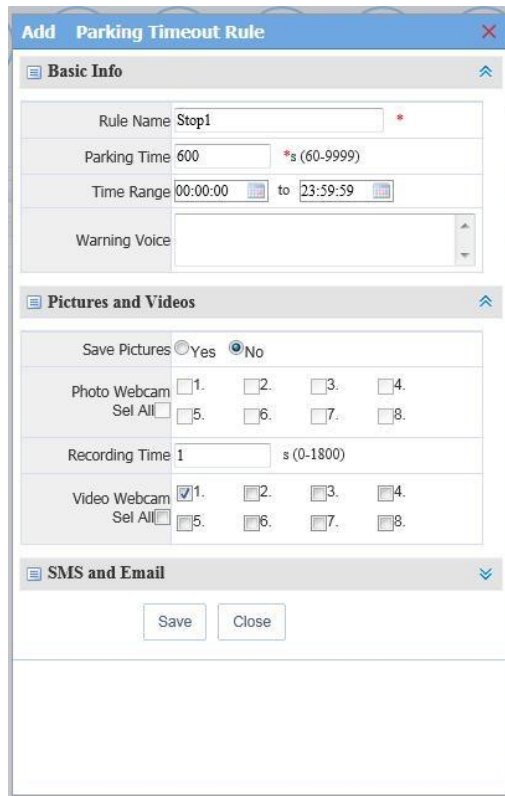
A. Parking

During the setting time, if the vehicle is static(idling or stop) and its time is over than the setting time , it will send an alarm to CMS. Once it move, it will stop push the alarm.

Idling : ACC on ,vehicle did not move.

Stop : ACC off ,vehicle did not move.

1. Click **Management** →**Rule** →**Parking Timeout**
2. Click **Add**
3. Input Basic Info : name ,parking time, time range.
4. Set other information includes **Pictures and Videos** ,**SMS and Email** , and save this rule.
5. Assigned or unassigned the Rule to vehicles.



Parking timeout



Night Driving

B. Night Driving

The setting can refer to the upper right picture.

1. Click **Management** → **Rule** → **Night Driving**
2. Click **Add**
3. Input Basic Info : name ,Speed , time range.
4. Set other information includes **Pictures and Videos** ,**SMS and Email** , and save this rule.
5. Assigned or unassigned the Rule to vehicles.

During the setting time you have set, if the car run a speed over the **Maximum Speed**, it will send an alarm to CMS.

During the setting time you have set, if the car run a speed lower than the **Minimum Speed**, it will send an alarm to CMS.

2.3.10 Time Pictures and Recording

The CMS platform supports timing record or taking pictures. **It depends on real time of sub-stream of device via 3G/4G(if the device is linking by 3G/4G)**, or WIFI(if the

device is linking by WIFI. All videos will be saved in the Storage server of CMS. **So pay attention to this setting if the device is linked by 3G/4G.**

If there is no 3G/4G, it will not transit the sub-stream for saving.

A. Time Pictures

It will take the photos in the setting time range automatically.

1. Click **Management** → **Rule** → **Timing Pictures**
2. Click **Add**
3. Input Basic Info : name, time range, select the channel or all channels, interval time.
4. Assigned or unassigned the Rule to vehicles.

The screenshot shows the 'Add Timing Pictures Rule' dialog box on the left and the 'Assignment rule' table on the right. The dialog box has the following fields:

- Rule Name: Picture 1
- Time Range1: 00:00:00 to 23:59:59
- Time Range2: 00:00:00 to 00:00:00
- Model: Circular
- Channel Param: CH3
- Interval: 300 *s (60-9999)

The 'Assignment rule' table has the following columns: Index, Plate No., Company, Operate. The table contains 9 rows of data. Red annotations highlight the 'Operate' column and the table rows.

Index	Plate No.	Company	Operate
1	987	ecp	
2	400243	RD_test	
3	30004	CompanyA	
4	1231212313	0001	
5	9902	20180409	
6	1111	0001	
7	212121	0001	
8	119903	0001	
9	111	0508	

B. Time Recording

The CMS supports timer recording function, the files will be saved in the CMS server.

1. Click **Management** → **Rule** → **Timer Recording**
2. Click **Add**
3. Input Basic Info: name, time range, and stream type ,then save it.

Stream type: Sub or main stream .The main stream video will be better, but cost more data flow and more space to store them.

4. Before assign vehicles, you need **Associate** first in the **Server**→**Storage Server** and **associate** the vehicles.

1. Click **Management** →**server** →**Storage Server**
2. Click **Associate**
3. Select the vehicle and assign it.

Vehicle Management System

Statistics Operations Rules **1 Server**

All Login Server Gateway Server User Server **2. Storage Server** Download Site Download Server One key to configure the server IP

Storage Server Add

Operate	Associate	Storage Config	Index	Server Name	Number	Status
		Storage Conf	1	Storage Server	S1	Online

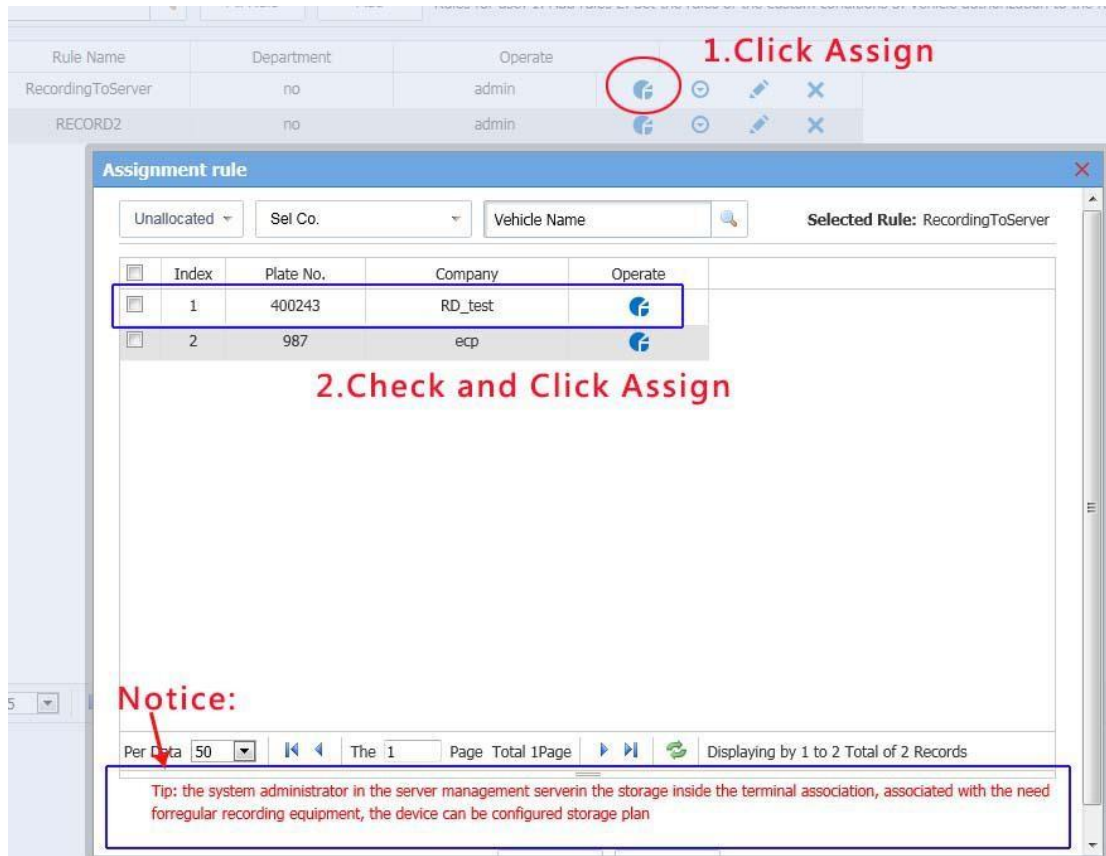
Edit Server Associated

Unassociated Sel Co. Vehicle Name

Index	Plate No.	Company	Operate
1	30004	CompanyA	
2	1231212313	0001	
3	9902	20180409	
4	111	0001	
5	212121	0001	
6	119903	0001	
7	111	0508	

4. Check and Operate.

5. Assigned the Rule to vehicles.



2.3.11 WIFI Download

This function is used for Wi-Fi Downloading. When the vehicles enter the bus station, it will download the videos by WIFI (our ME MDVR network connection priority is WIFI>3G>LAN(wired), which will save the data flow.

For more detail about download function, please refer to **CMSServer User Installation Manual-V1.0**.

WIFI download is based on the recorded file which has saved in SD/HDD of MDVR. The download speed is about 2MB/s for one vehicle. For 3 or more vehicles, the speed is about 6-10MB/s. So we suggest customer download alarm files only.

2.3.12 Alarm Linkage

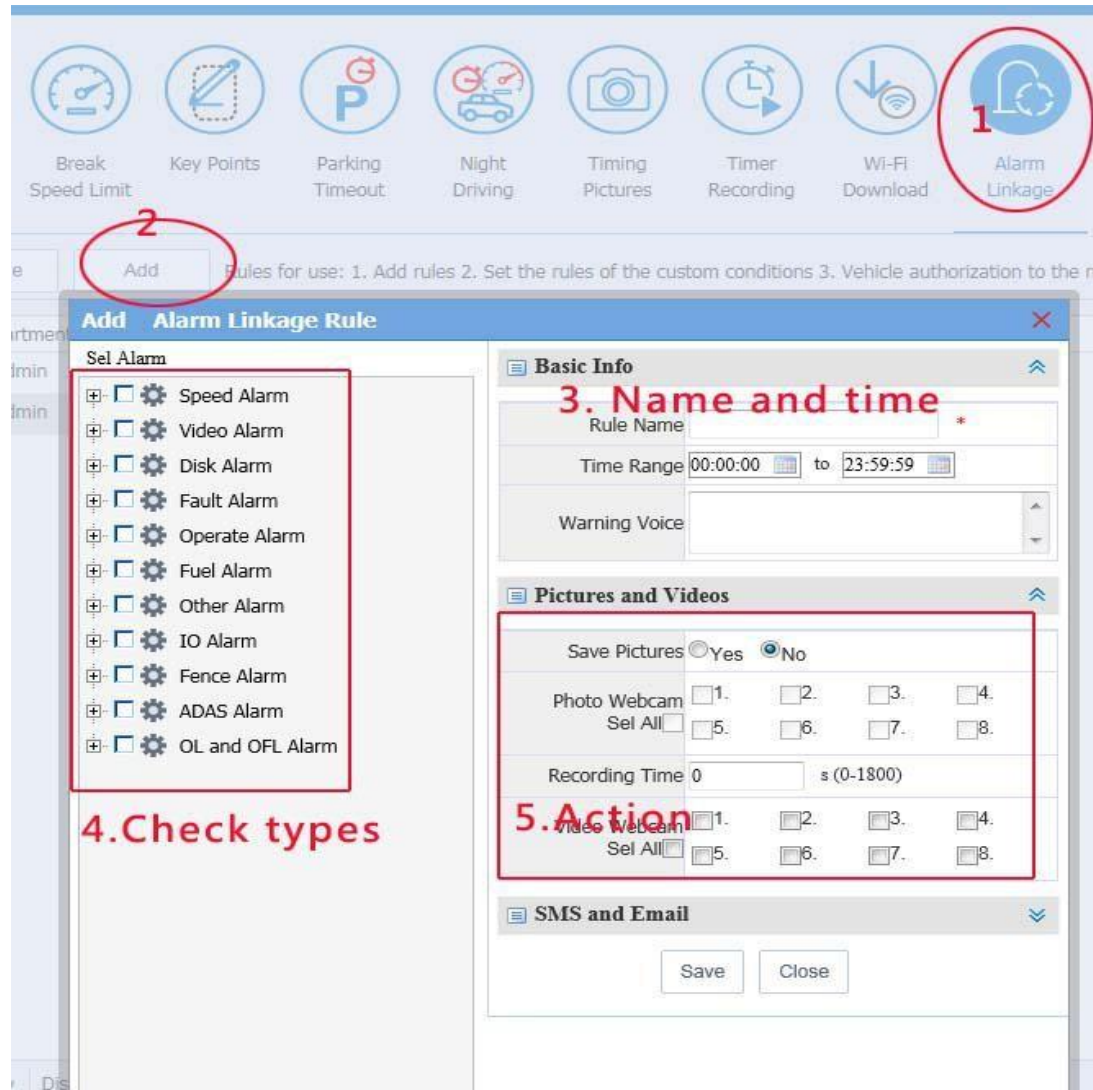
It's a collection (shortcut) of all kinds of alarm(include device and CMS) alarm linkage .



You can set it directly by this function.

1. Click **Management** → **Rule** → **Alarm Linkage**
2. Click **Add**
3. Input Basic Info : name, time range.

4. Chose the alarm type.
5. Set other information includes **Pictures and Videos** ,**SMS and Email** , and save this rule.
6. Assigned or unassigned the Rule to vehicles.

Then all pictures and videos will be saved in the Storage server of CMS.












Index	Rule Name	Alarm Type	Department	Operate
1	OverSpeed	Speed Alarm	admin	
2	speed alarm	Speed Alarm	admin	

1. Assign

Assignment rule

Unallocated | Sel Co. | Vehicle Name | Selected Rule: speed alarm

Index	Plate No.	Company	Operate
1	987	ecp	
2	400243	RD_test	
3	30004	CompanyA	
4	1231212313	0001	
5	9902	20180409	
6	1111	0001	
7	212121	0001	
8	119903	0001	
9	111	0508	

2. Check and operate.

2.3.13 Abnormal Position

This function is reserved.

3. Direction for use of mobile phone client

3.1 Android Mobile client-side

3.1.1 Login interface

Fill in the username and the password. The IP and web login IP are the same (For example: **192.168.1.106**: 8080) (If the mobile client's version is before December 2015 and before the server version 7.6, the port shall be added. And vice versa, directly fill in the IP address)

Vehicle Management System

3G/4G Real-time Video At Any Time To See

Support PC Computers, Mobile Terminals View

Welcome

Username:

Please Enter Your Password:

Code: 3570

Login

Windows Version: Version:7.12.0.4 Update:20180330

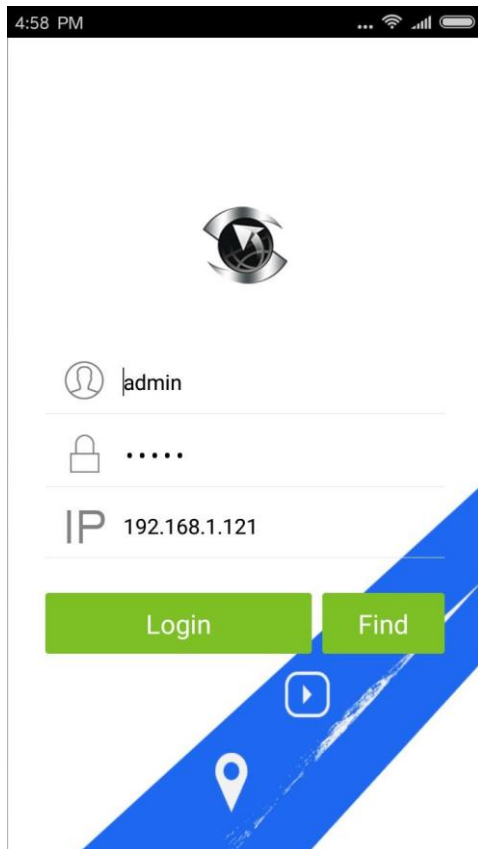
IOS Version: Version:7.0.12 Update:20179418

Android Version: Version:7.0.19 Update:20180524

Playback: Version:7.12.0.4 Update:20180311

MapInfo Plug-in: Version:5.0 Update:20140815

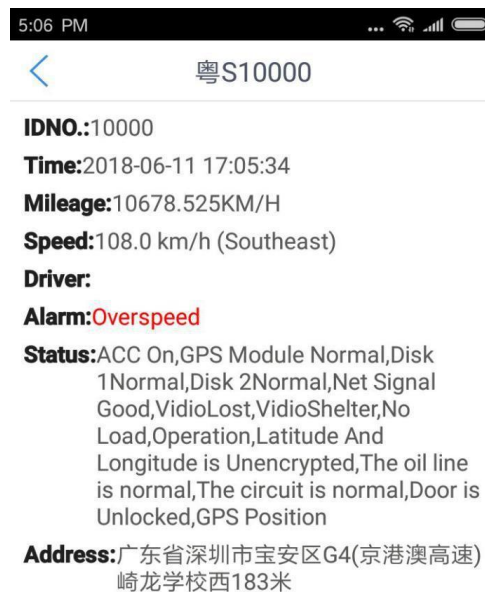
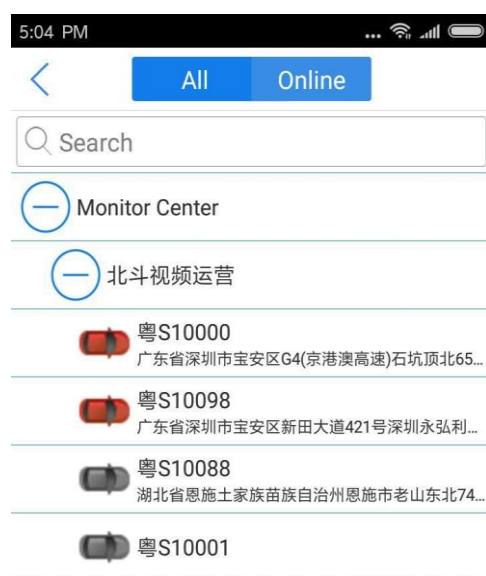
Copyright (c) 2016. All right reserved.



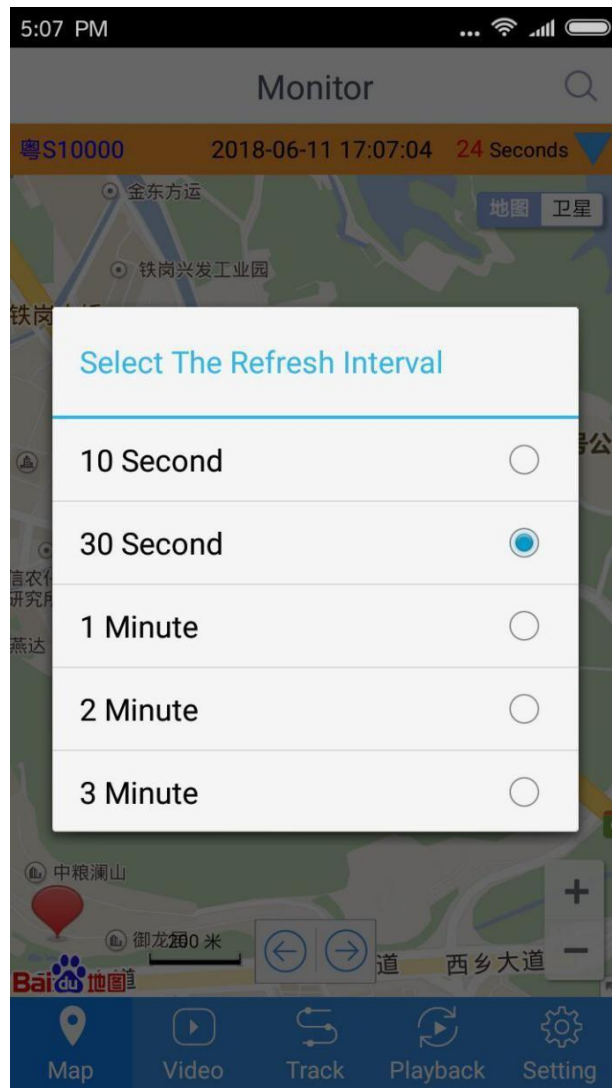
3.1.2 Map monitoring

Vehicle list, vehicle map monitoring **real-time location**, vehicle **real-time status information**, set **GPS refresh time**.

Select the vehicle to search in the vehicle list

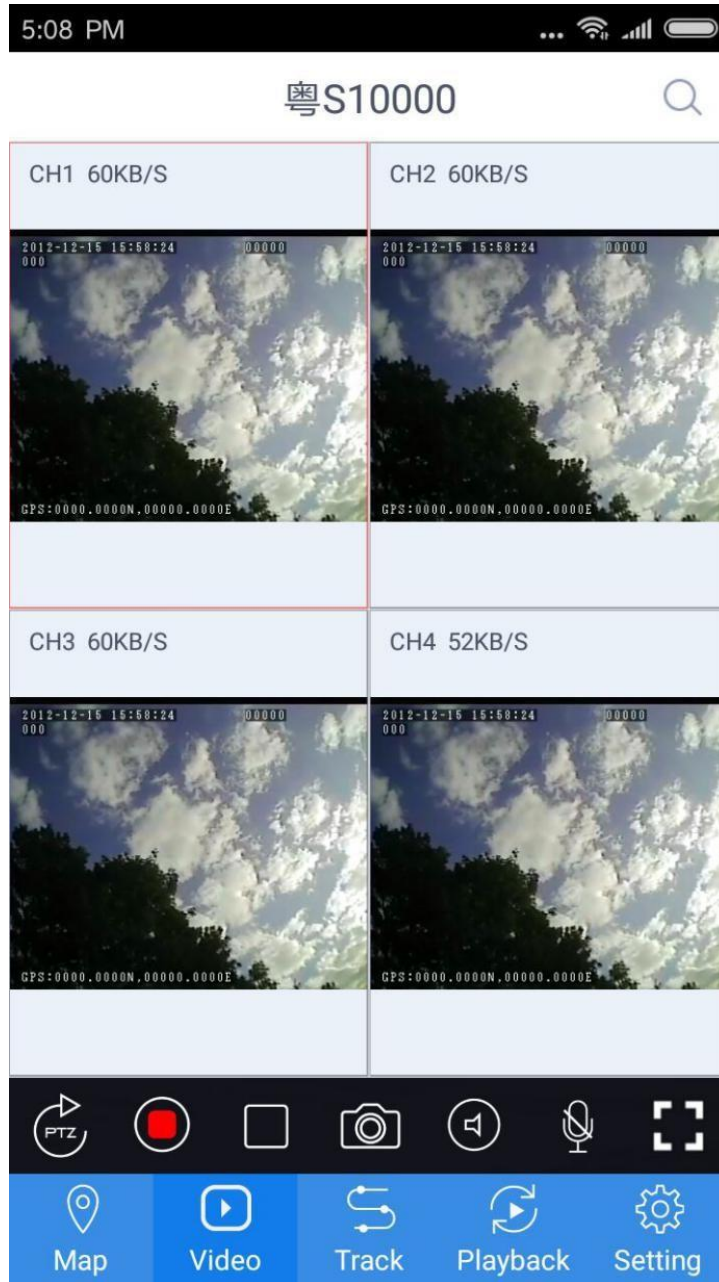


Set GPS refresh time






3.1.3 Video preview

Video preview also requires selection of vehicles in the vehicle list



3.1.4 Track playback



5:10 PM ...   

[<](#) Search Trajectory

Select 粵S10000 >

Select Date 2018-06-11

Start Time 13:09:17

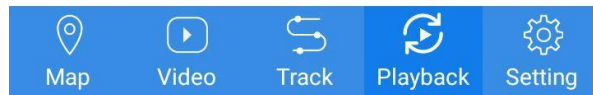
End Time 17:09:17




[Search](#)

3.1.5 Video replay



Please click on the search button



5:12 PM ...   

[<](#) Search Record

Select 粤S10000 >

Location Terminal >

Channel All Channel >

Type All File >

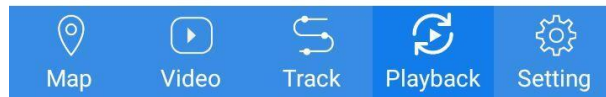
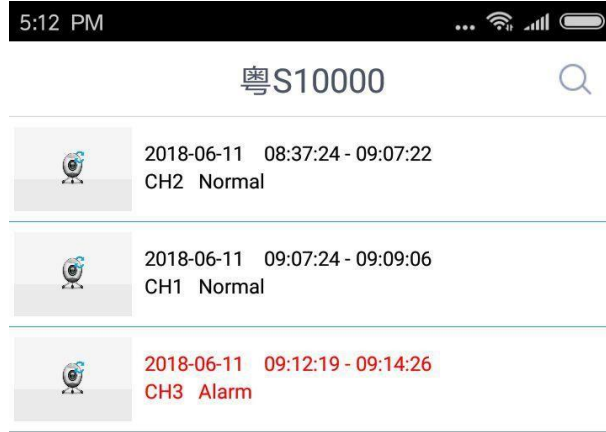
Select Date 2018-06-11

Start Time 00:00:00

End Time 23:59:59

[Search](#)

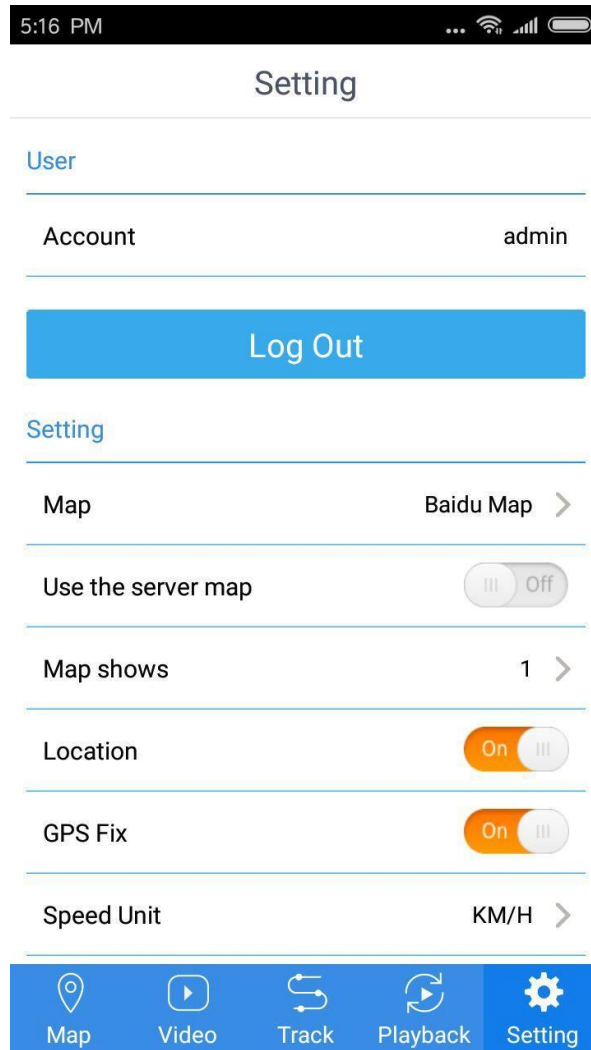
Select the file that need to be played to playback



Video playback

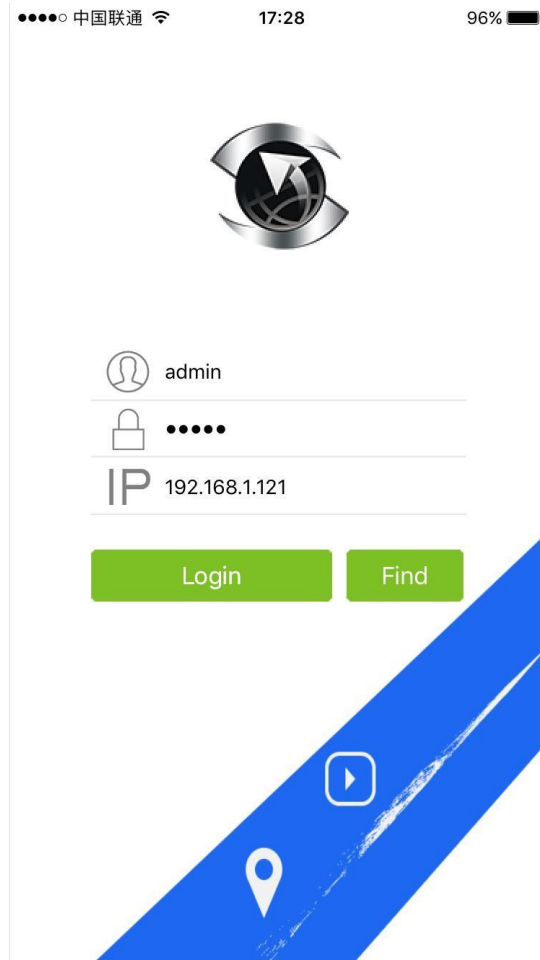


3.1.6 System setting

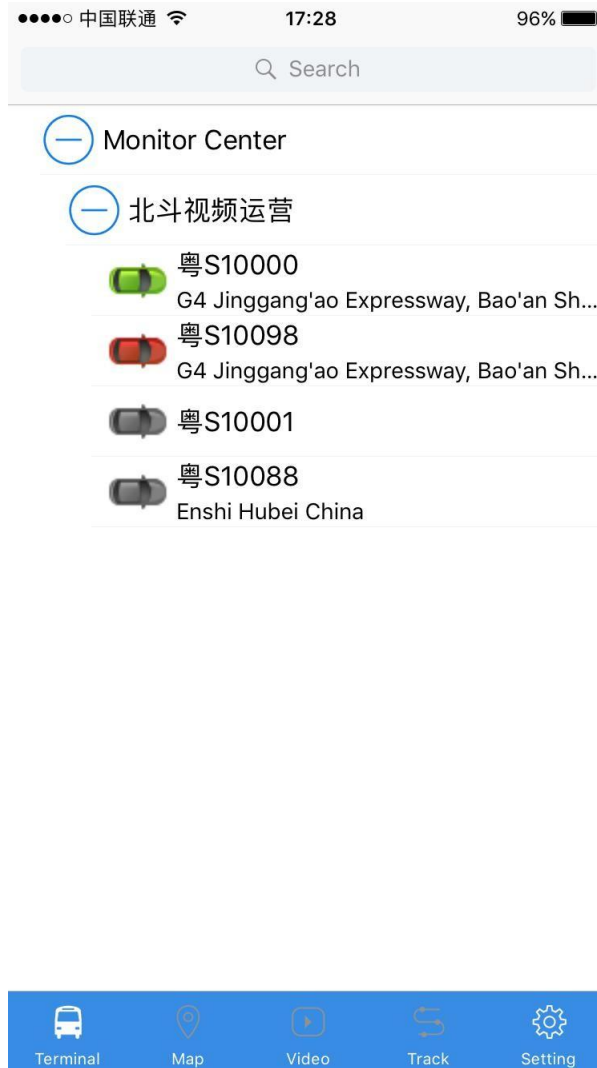


3.2 IOS Mobile client-side

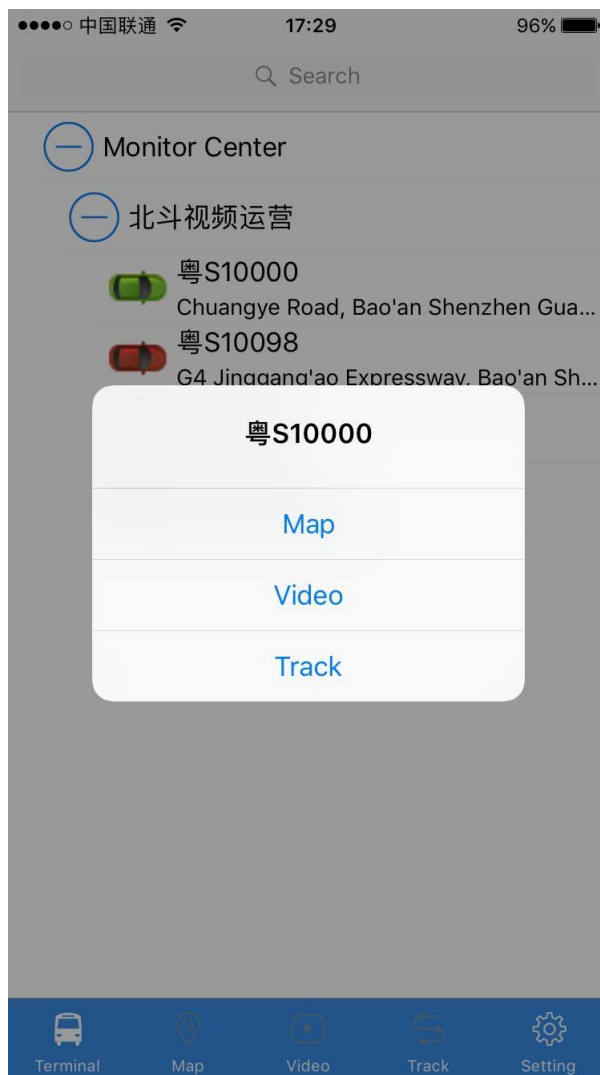
3.2.1 Login interface



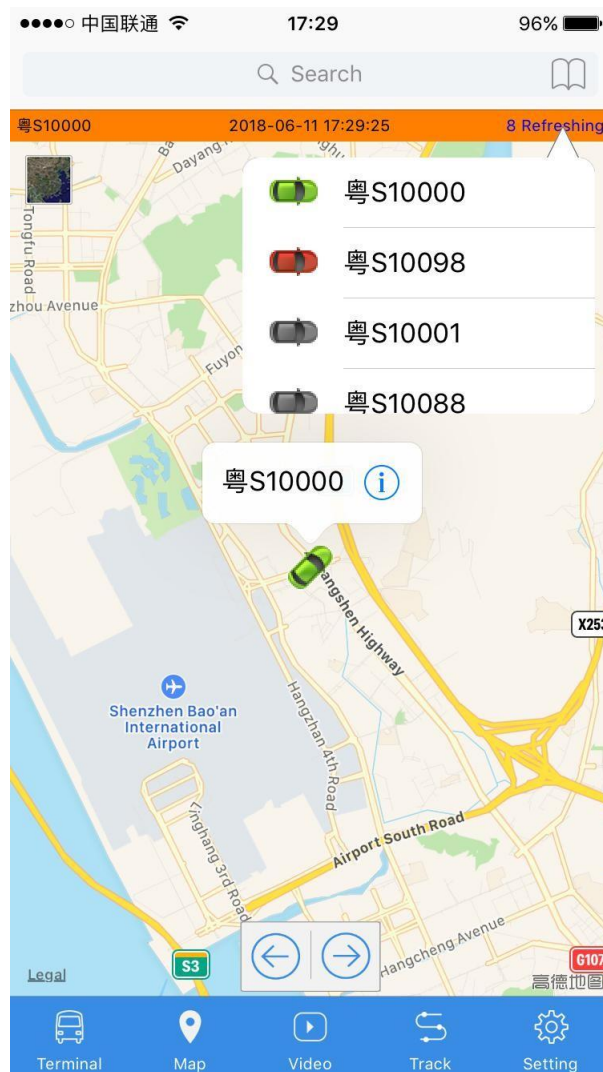
3.2.2 Vehicle terminal



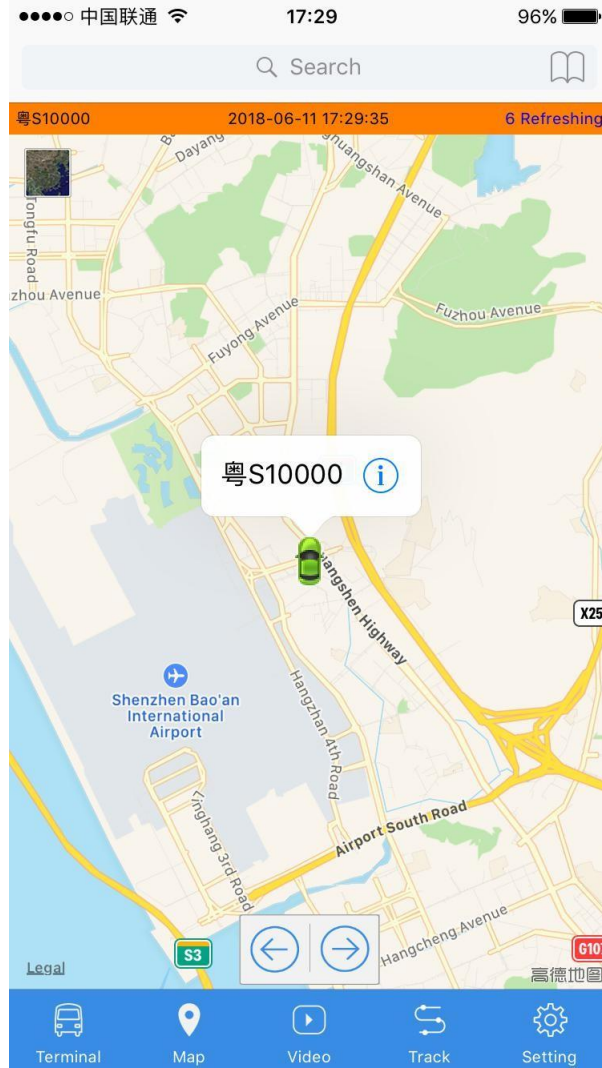
3.2.3 Selecting monitoring interface of vehicle skipping



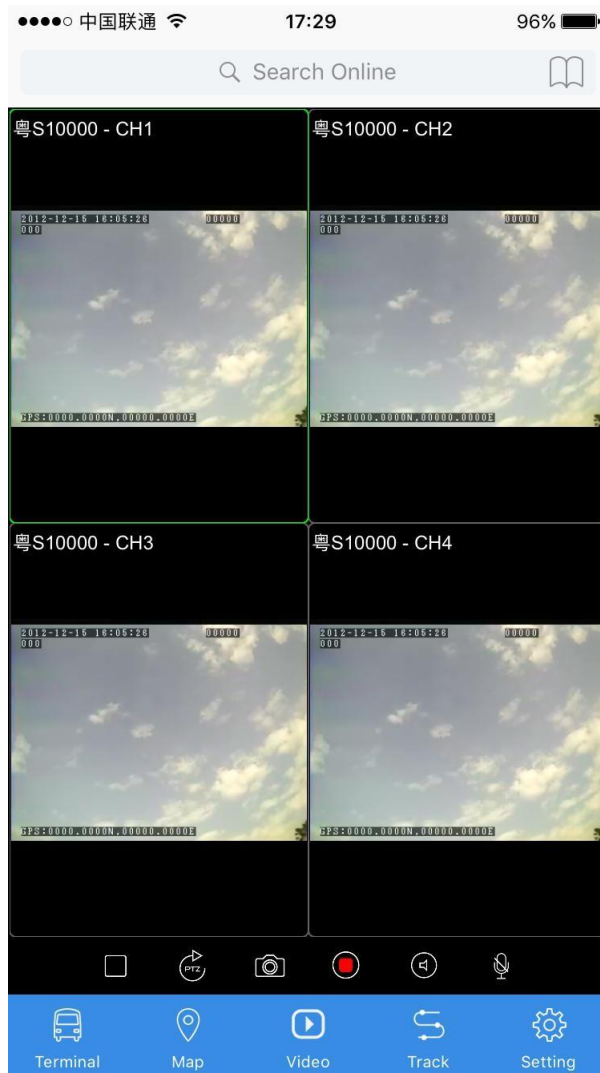
You can also search the vehicle for monitoring on the monitoring interface



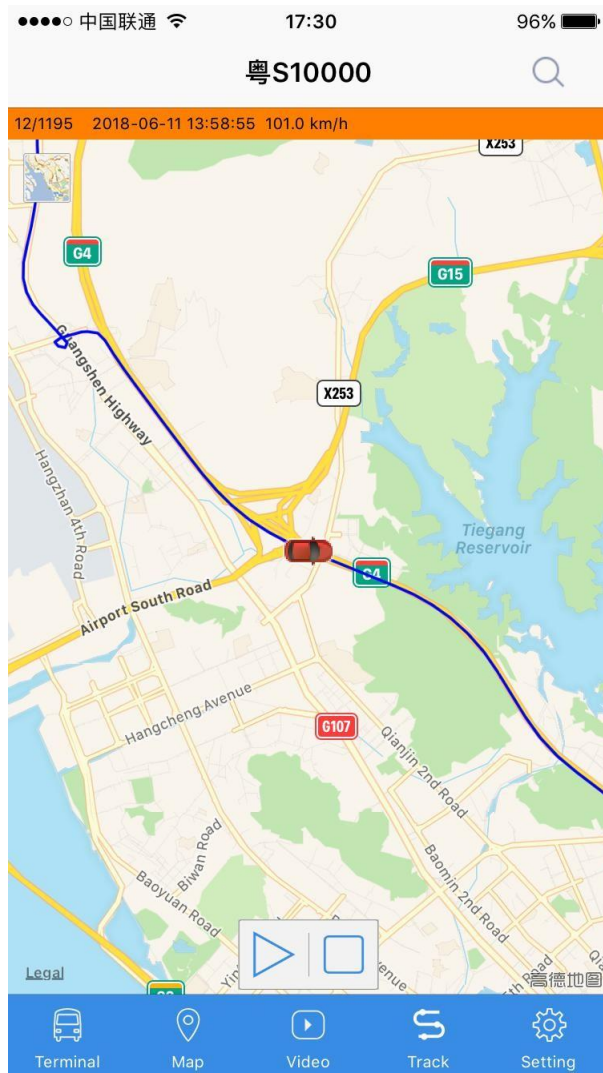
3.2.4 Map monitoring



3.2.5 Video monitoring



3.2.6 Track monitoring



3.2.7 System setting

