

RMVS - intelligent vehicle video monitoring platform

Manual

Ver: 7.6.0.0

Notes

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1. Writing purpose

RMServer Central Management Server is a Wireless Network for centralized management and monitoring of all types of mobile assets. It is a high-quality, high-efficiency centralized and distributed network management architecture that provides network transmission of video, audio, data and other multimedia information for users to perform real-time remote video monitoring, GPS maps positioning, video storage, vehicle scheduling, recorded vehicle data playback and tracking, voice intercom and alarm warning security work. Other features include remote data download and storage, alarm triggering and remote alerts, remote vehicle management, etc.

2. System Architecture

The CMS consists of 8 Functional Servers, namely the :

Login Server, Gateway Server, Media Streaming Server, User Management Server, Storage Server, WIFI Auto Download Server, Web server , Remote Client Monitoring Server

Users have the option of deploying 1 or 2 of the 7 Functional Servers stated above such as, Login Servers, Multiple Gateways Servers, Media Streaming Servers, Multiple Users Management Servers to provide Mobile DVR and Remote Client Services and features as GPS Location, Video and Alarms.

Description of Functional Servers

Database Server: Used mainly as Storage Server, Configuration information and Alarm events.

The database server application used is MySQL-5.5.12 – Win32.

Login Server: For registration of various servers and to coordinate and manage registered servers, Assign User Clients, Configure End Management Server, Allocation of Gateway Server for MDVR devices, User Management, Gateway Servers, Server Load Balancing.

Gateway Server: Provide vehicle access. Vehicle Gateway Server is used to establish a communication link between the MDVR device and the server, sending vehicle location and status information via this link.

Streaming Media Server: Provides media data forwarding function. Including Audio and Video, Intercom, Remote Monitoring, Remote Capture, Configuration parameters, Search and forwarding Download data.

User Management Server: Provides Remote Client Access

WIFI Auto Download Server: When within the assigned access point range, the WIFI enabled MDVR will automatically upload the video files onto the server.

Storage Server: For storing Figures, video capture and reduce costs

Web Server: Provides GIS electronic map information, and provide links to the CMS Backroom Control center, Front End management system login.

Remote Client Application: Provides real-time video preview, GPS positioning, electronic map display, vehicle status monitoring, image capture, video search, video download and playback, vehicle tracking playback, real-time alarm information monitoring, alarm statistics, vehicle configuration parameters and other functions. The Remote Client is available as Web Client, PC Windows Client, IOS and Android Version Clients, allowing users different ways to login and manage their vehicle.

3. RMSServer Deployment and Management

3.1、Operational Environment

3.1.1 RMSServer Minimum Requirements

OS	Microsoft Windows Server 2003 or higher
CPU	Intel quad-core Xeon, Frequency of not less than 2.33GHz
network	1 Gigabit Ethernet
RAM	4G or more
Hard disk	1TB
CD-play	DVR-ROM
other	Support VGA display Supports normal keyboard, recommended to use USB keyboard LED indicator lights for computer, HDD and other activities status

3.1.2 media streaming server

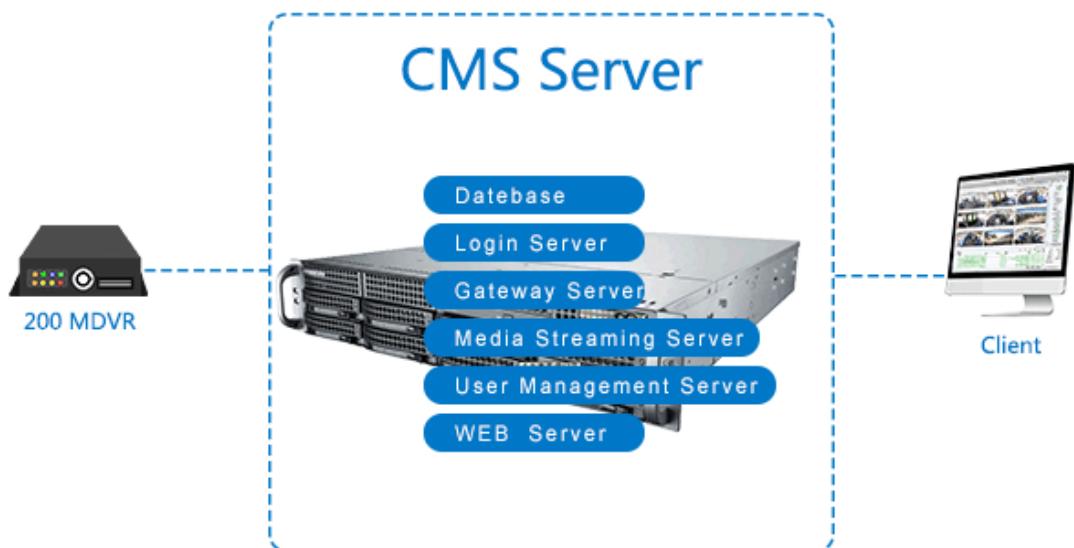
performance specifications	
	Each Streaming Server, distributed, can support up to 256 concurrent Incoming Channels with a bandwidth of 128Mbps
	Each Video Channel supports up to 6 Clients viewing. Each Channel maximum data rate output is 512Mbps.
	Gigabit Ethernet ports, 20Mbps output stream rate average forwarding delay is less than 5 ms Gigabit Ethernet ports, 100Mbps output stream rate average forwarding delay is less than 40ms. Gigabit Ethernet ports, 512Mbps output stream rate average forwarding delay is less than 200ms.
Video Bandwidth	

	<p>Using CIF video format per Channel video data rate is 320Kbit/second, 256 video channels therefore requires $320 \times 256 = 81,920$ Kbit bandwidth.</p> <p>NOTE: As the MDVR device in a 3G network environment has network bandwidth limitations. The maximum upload is using CIF resolution video format.</p>
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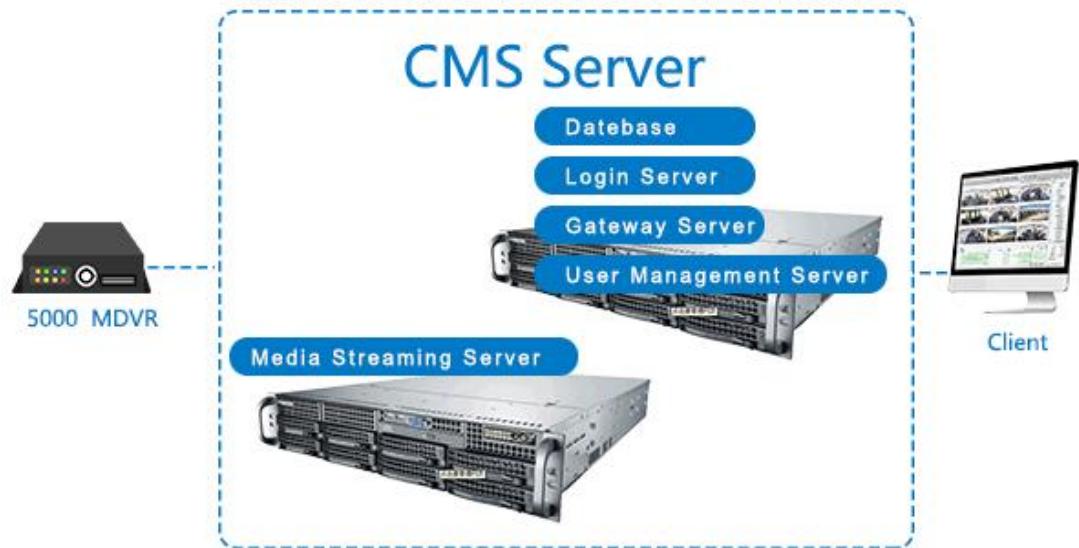
3.1.3 Examples of System Deployment

This examples are for reference only, using user's hardware, network and CMS, MDVR installation environment.

3.1.3.1 200 Vehicles/Devices

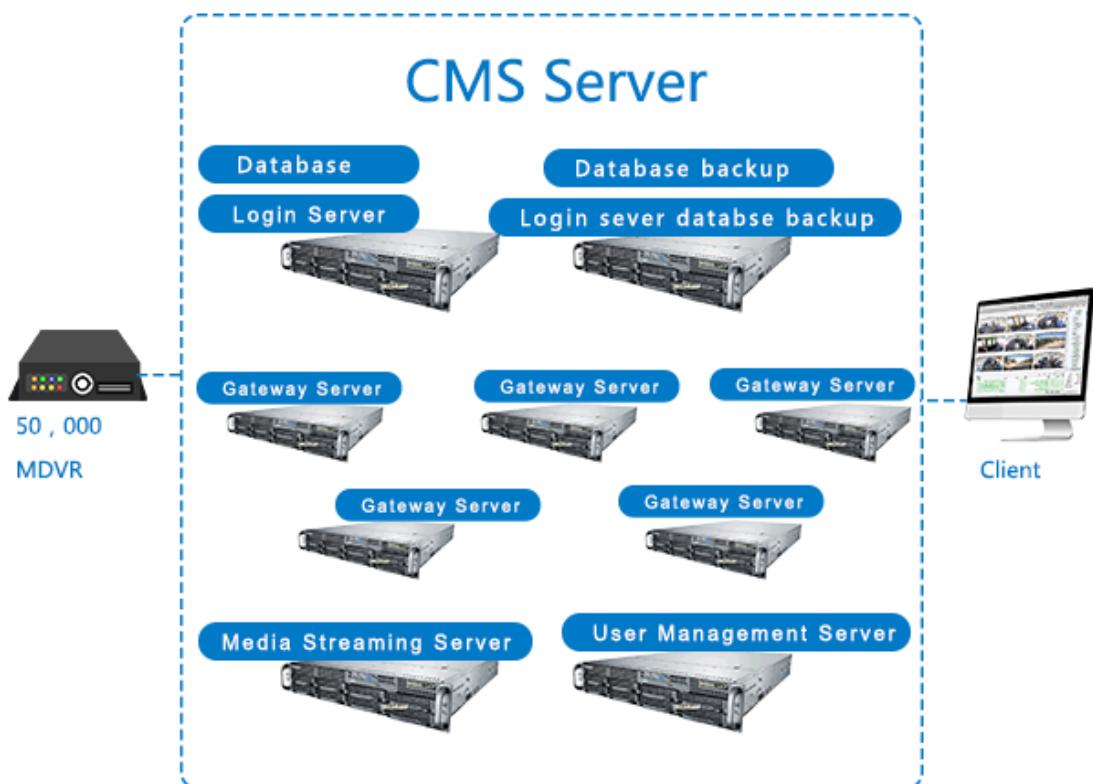


3. 1. 3. 2 5000 Vehicles/Devices



The number of Streaming Media Servers will be used more than one require to actual needs.

3. 1. 3. 3 50000 Vehicles/Devices



3.2、RMSServer Operating Processes



1. Double click **CMS_WIN_7_6.0.4_20160_215.exe**, run RMSServerV6 installation, then select the language to use during the installation.

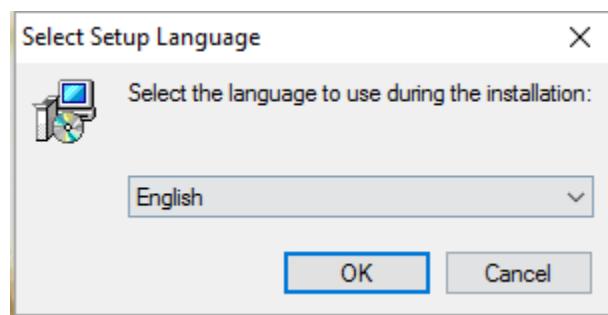


Fig. 4.1 select the language to use

2. Choice the language "Chinese" or 'English' first, then chick "next" to continue

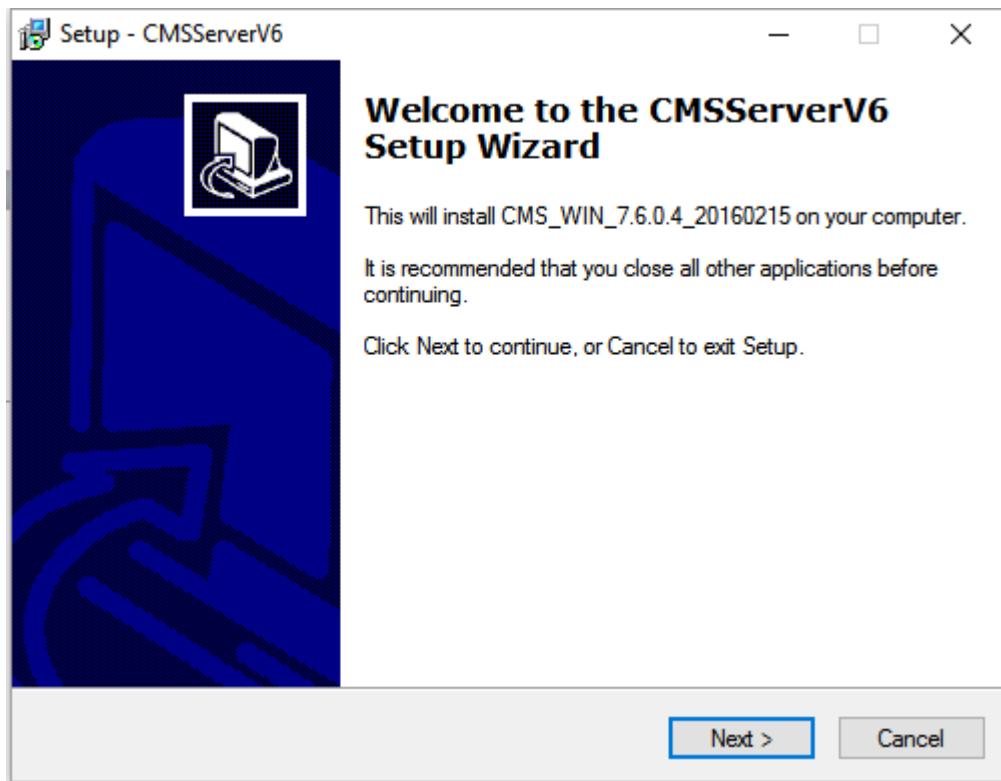


Fig. 4.2 installation dialog box

3. Click "next", enter to select the installation path, as flower

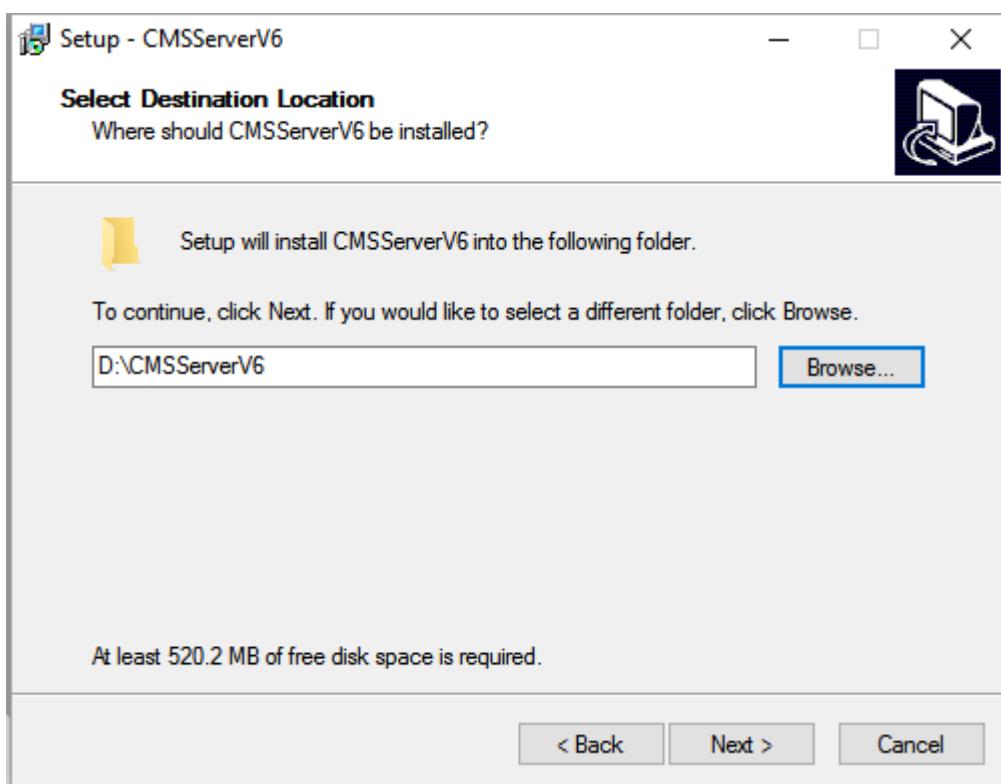


Fig. 4.3 select installation path

4. Specify the target installation path, then click "next" to continue

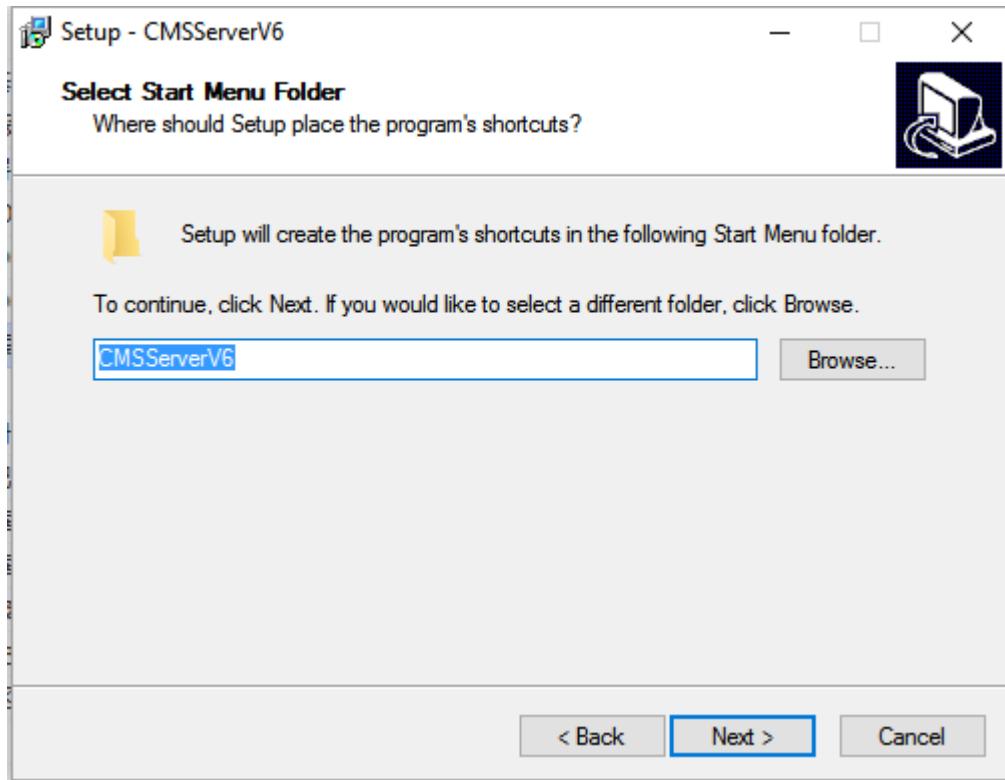


Fig. 4.4 select the program location

5. Select addition task (whether to create a desktop shortcut), then click "next" to continue.

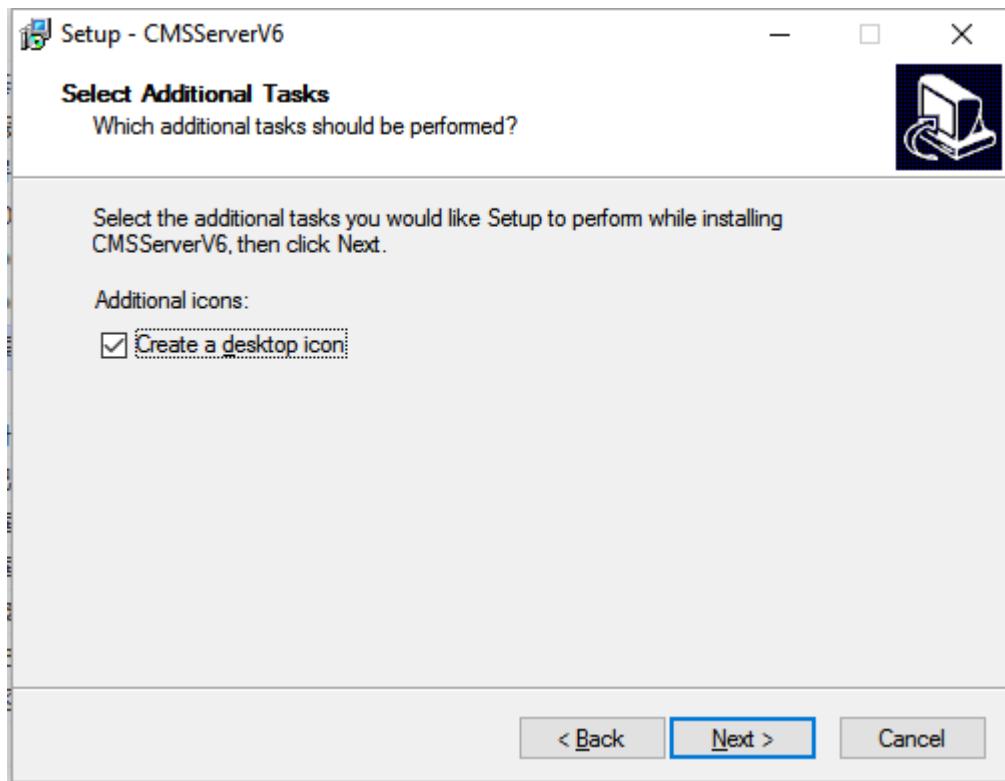


Fig. 4.5 choose whether to create a desk shortcut

6. Click on "install" to complete the installation.

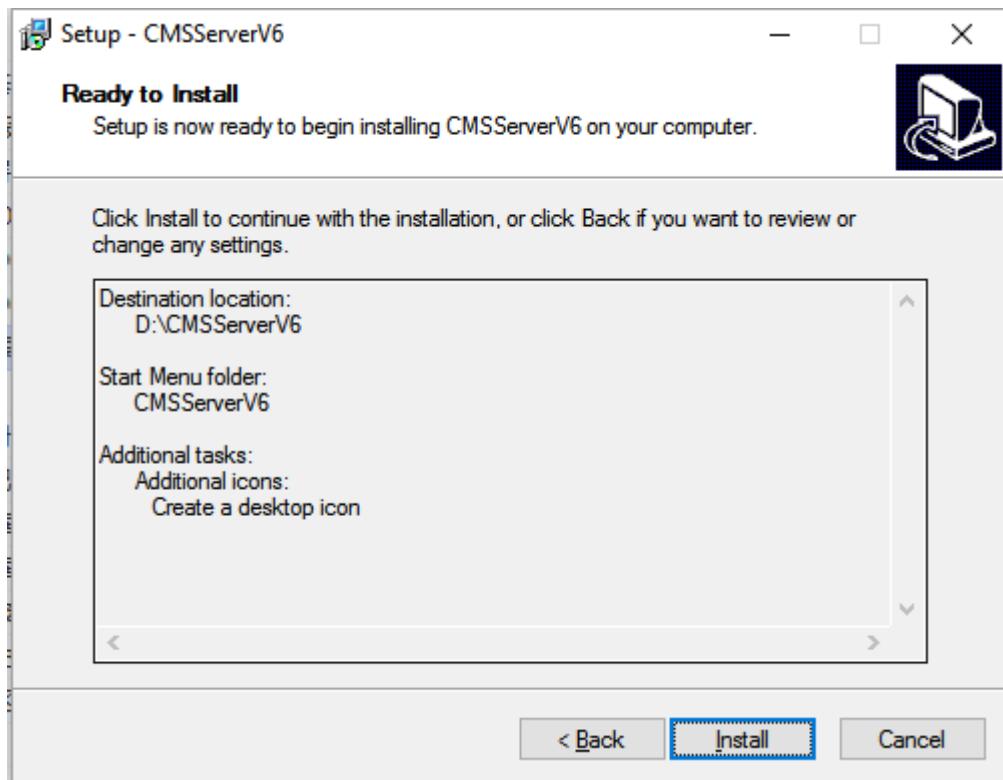
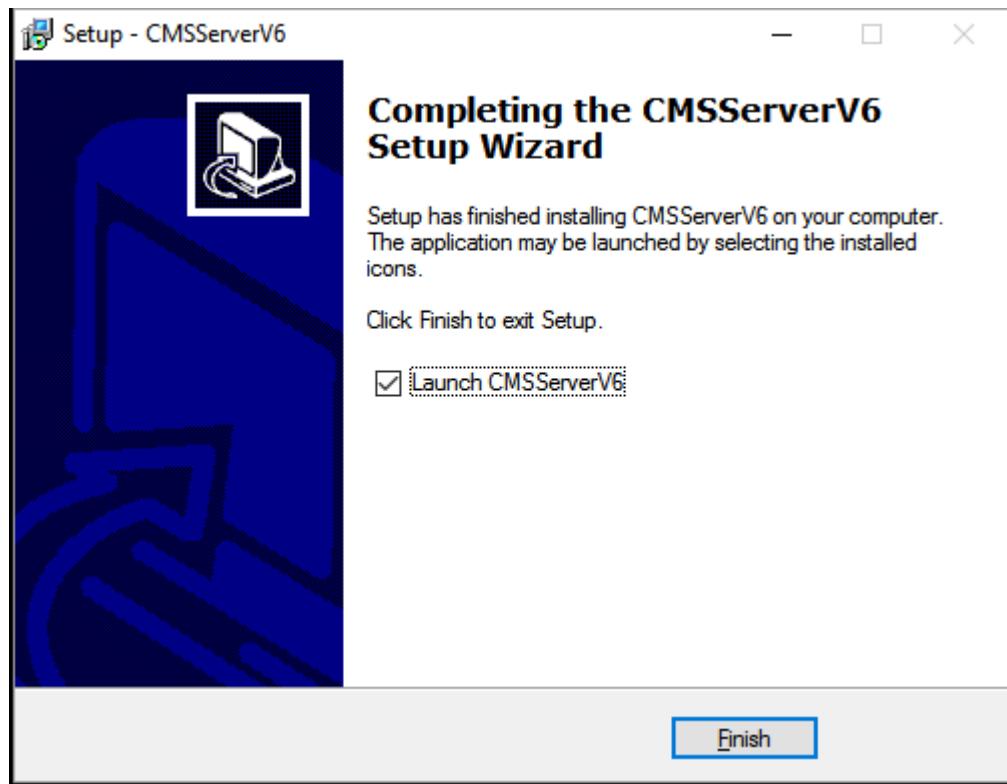


Fig. 4.6 installation process

7. Click on "Finish" , data configuration begin after this.



1/4 Database Parameters



This guide applies to all servers installed on the same PC

Database File Path

The data file already exists!

Database Backup

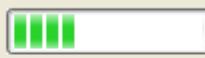
1. Program

- a. Daily basis for data backup (in addition to GPS data tables, alarm tables, tables and other data capture large table, other tables daily backups)
- b. Weekly full database backup

2. Backup storage

- a. Backup data is first stored in the local computer (non-database installation disk)
- b. Automatically uploaded regularly back up your data in the cloud disc set

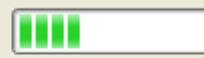
Database Drive Info



Total Diskspace

Free Diskspace

Database Backup Disk Information



Total Diskspace

Free Diskspace

Note: Please select the remaining disk space!

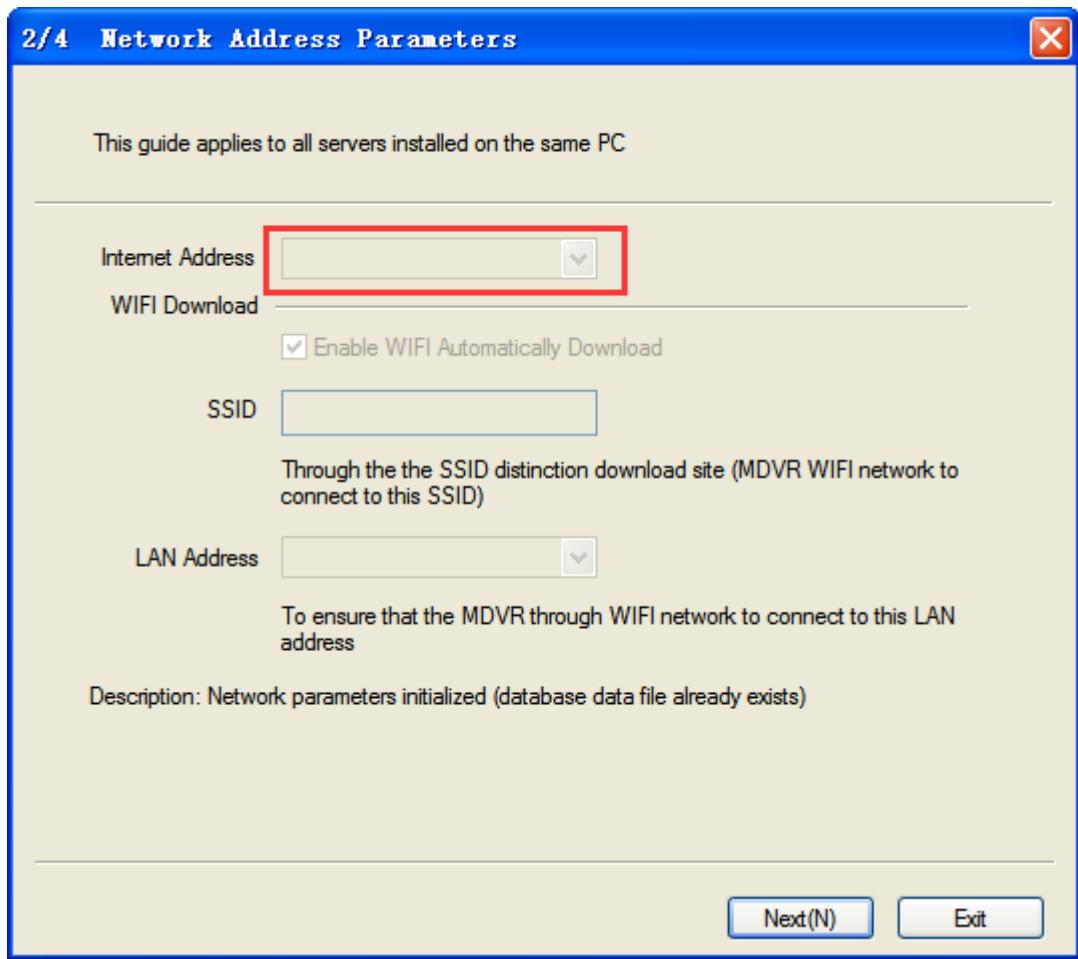


Fig. 4.7 network address parameters

8. Click "next" to start address parameters.

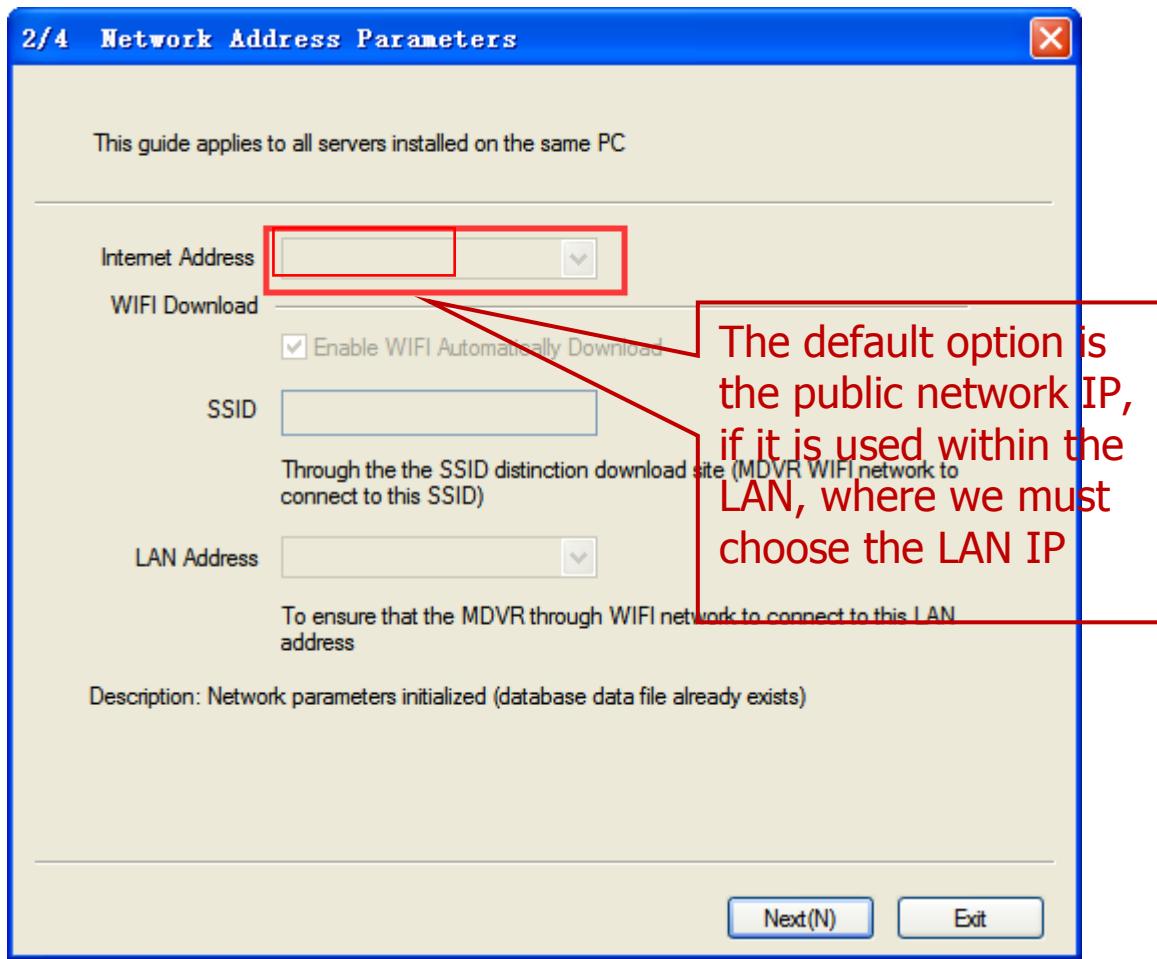


Fig. 4.8 internet IP address parameter

8. Click "next" to start web server configuration parameter.

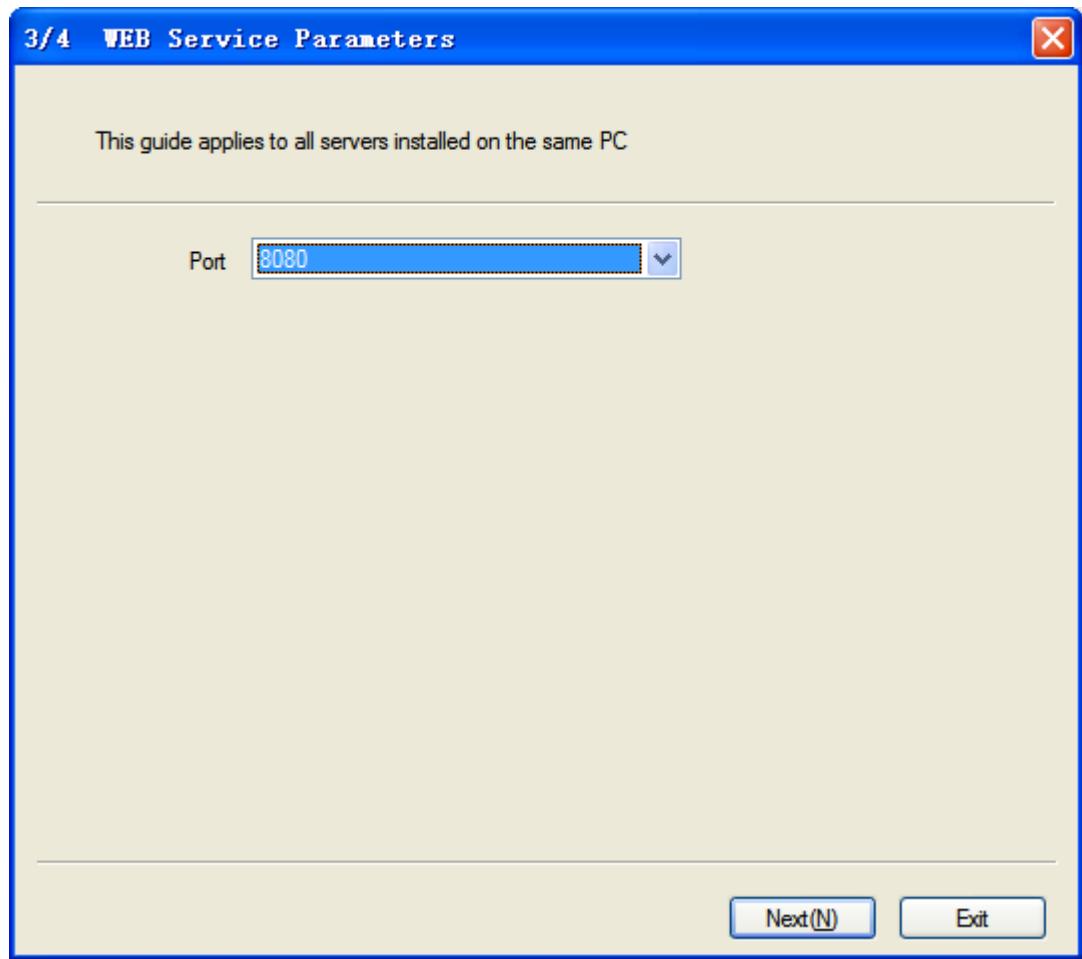


Fig. 4.89 web server port configuration

9. Click on "Finish" to activate RMServerV6 Server controller.

4/4 Configuration Complete



This guide applies to all servers installed on the same PC

-
1. Allow service program through Windows Firewall
 2. Start the service control program
 3. View the ReadMe describe file
-

[Finish](#)

[Exit](#)

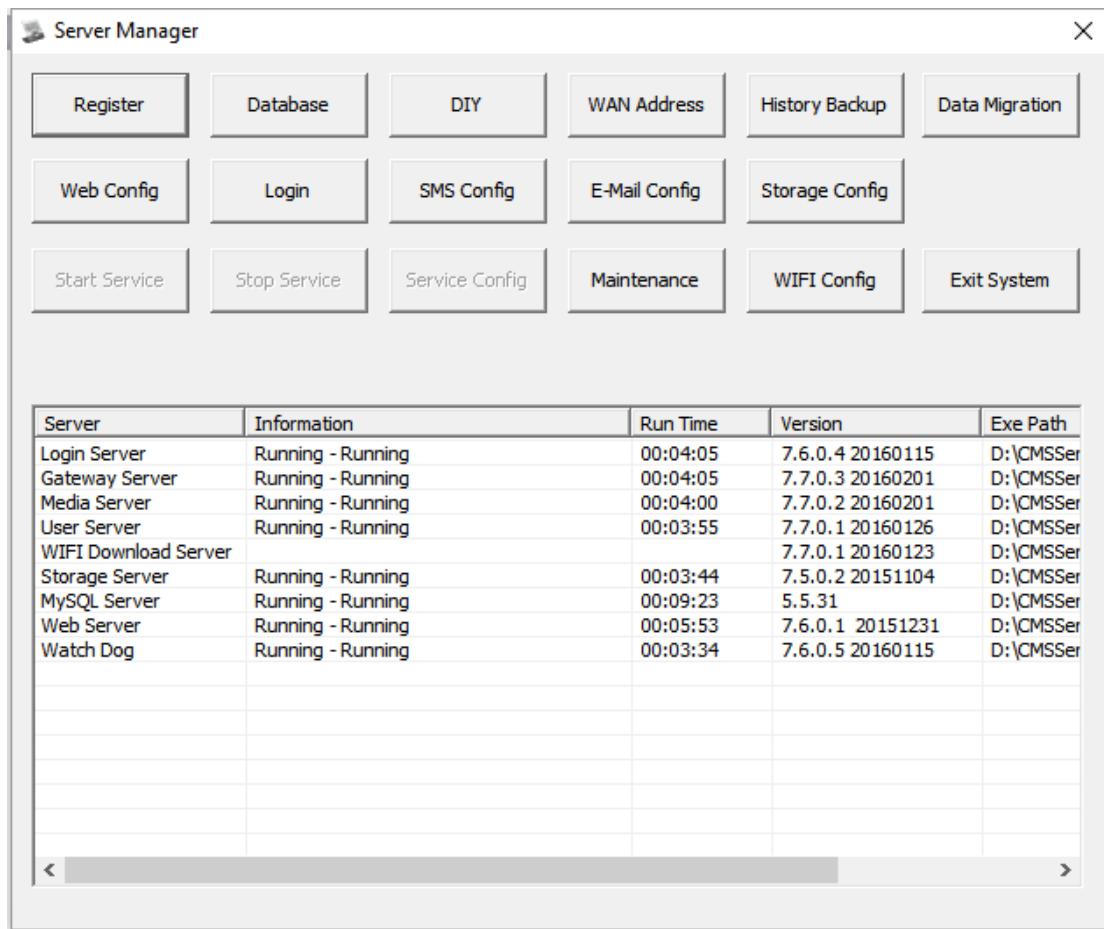


Fig. 4.10 configuration complete

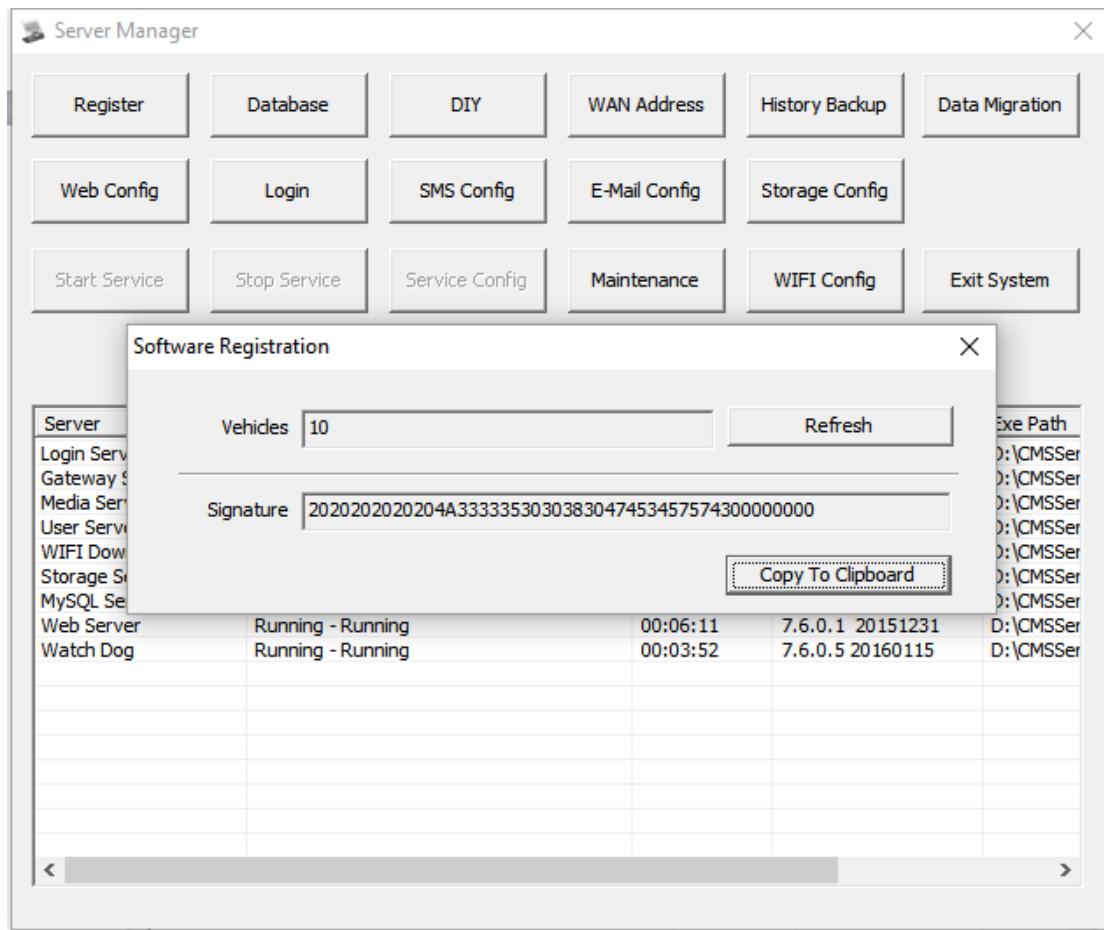
3.3 server manager

3.3.1 soft register

The test version can manage 10 vehicles. Test version and the registered version only difference is to manage the number of vehicles.

IF you need more than ten licenses for your RMServerV6, please contact us. IF your sever is LAN server or VPN, you need tell us the sever IP and signature, we give you back the serials. And you use the serials to register.

And if your sever is network ,you only need to tell us your IP , then we register by internet.

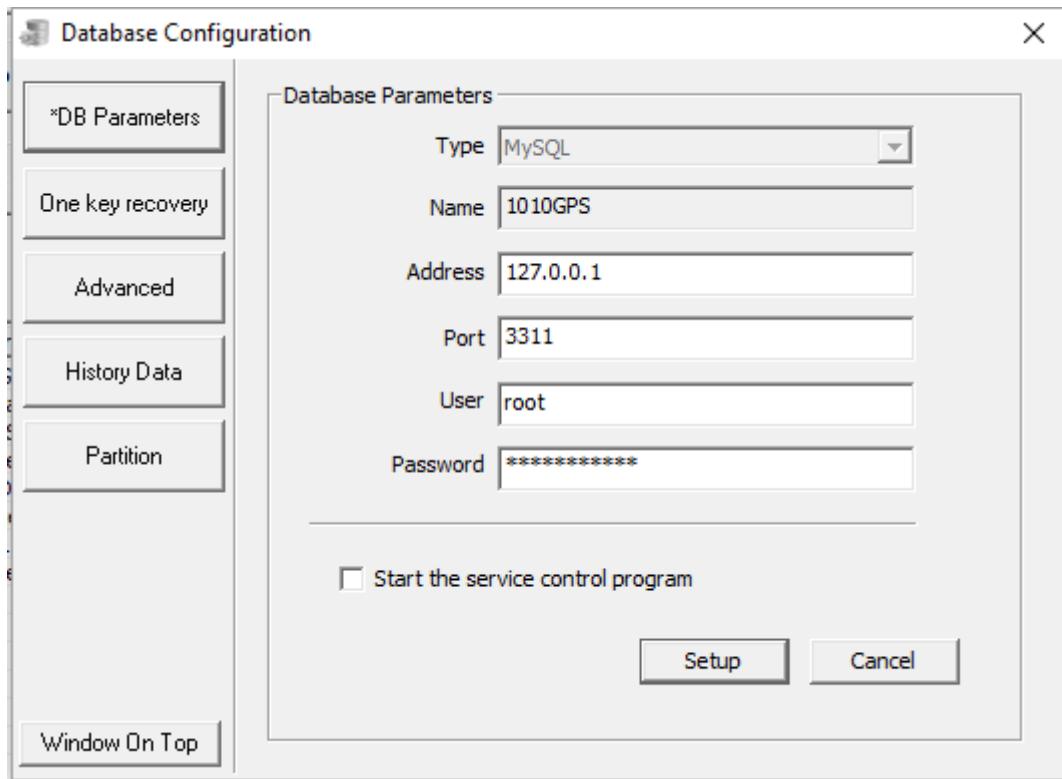


3.3.2 database parameter

Database parameter is a tool to manager database. It used to repair the date shatter, bottleneck of whole system, etc.

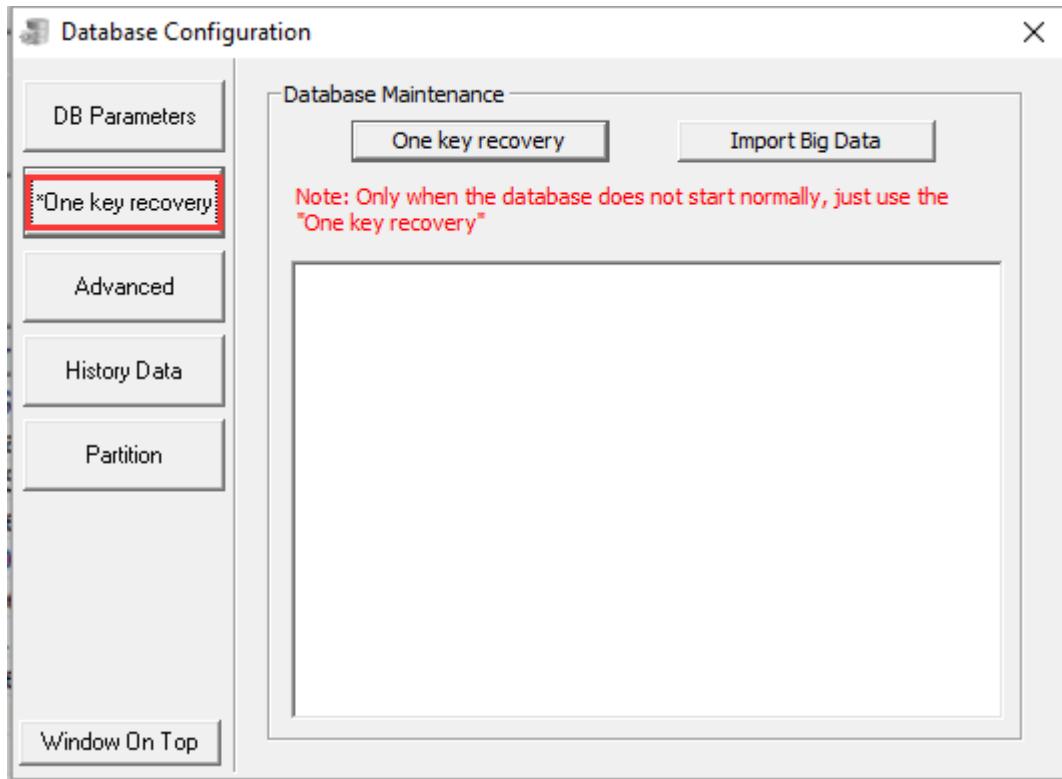
3.3.2.1 database configuration

set the database configuration



3.3.2.2 One key recovery

Note: Only when the database does not start normally, just use the "one key recovery"



MYSQL database damage caused when the service can not start, you can use one key recovery to re-establish the database and import data into the new database. one key recovery: recovery of only basic information.

Big Data Import Data: refers to GPS, alarms and other large data. How much data can be restored back to their own needs. Recover more the more time you need.

3.3.2.3 Advanced Maintenance

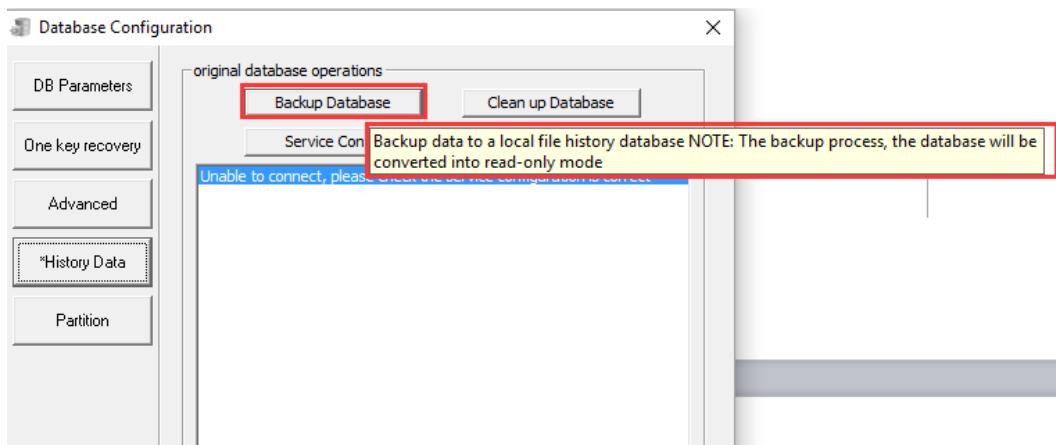
"Backup Database" ---- back up the current database (select type, time), the database must be the normal state "Rebuilding databases" ---- the original database, renamed, create a new empty database, when renaming the database must be closed, it must be built in the normal operation state table

"Restore Database" ---- the data backed up according to the type and timing of the import database

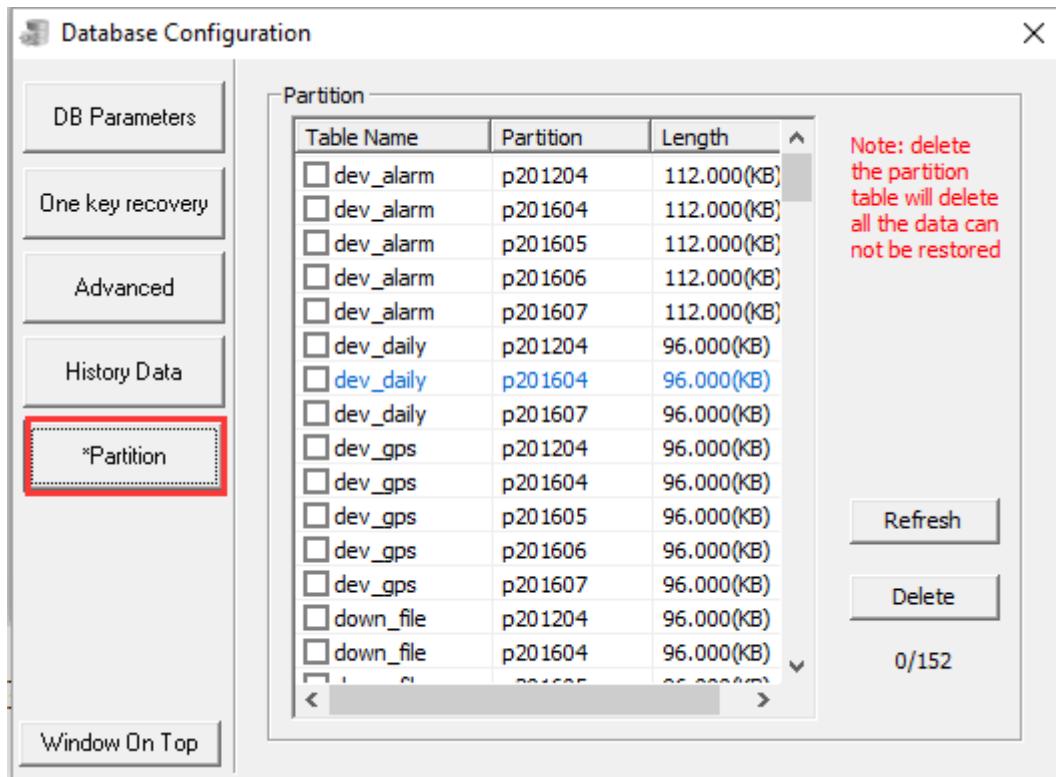
"Database Cleanup" ---- select type, the time, the corresponding data is deleted from the database can not be restored, backup data Note

3.3.2.4 history database

There will have historical data after recovery advanced maintenance or one key recovery, you will be prompted on operating software.



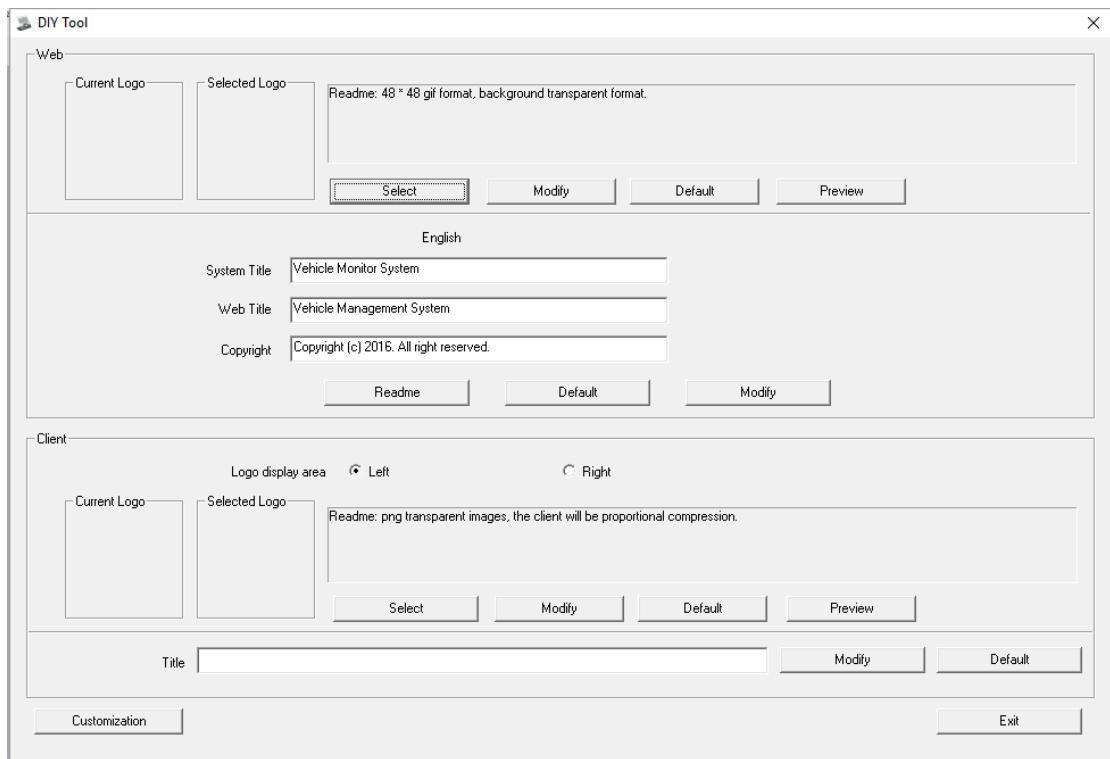
3.3.2.5 分区表 partition



If the data is over large and you don't need it, you can delete it.

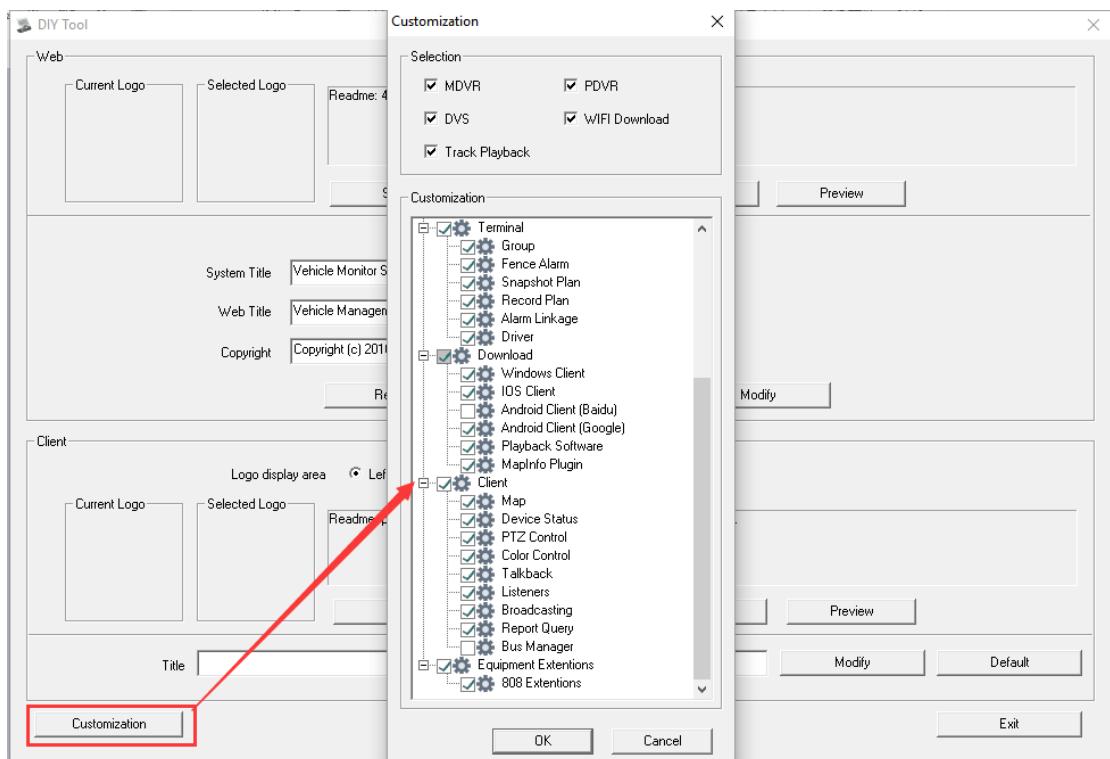
3.3.3 DIY

You can custom company information like LOGO, copyright and the function you don't need by yourself in the DIY function.

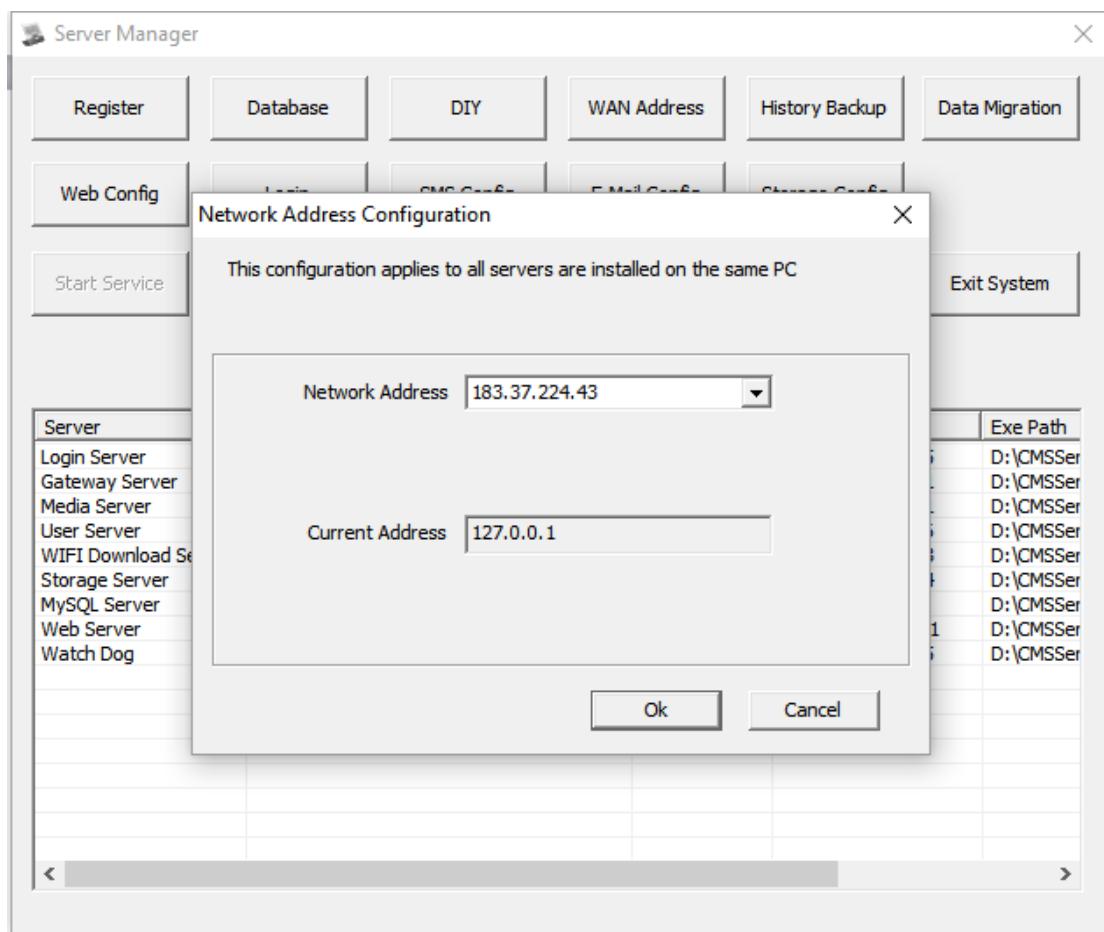


1、The company information in the web client and PC client custom in the page.

2、You can custom the functions in your server, if you don't need the functions, please unchecked them.

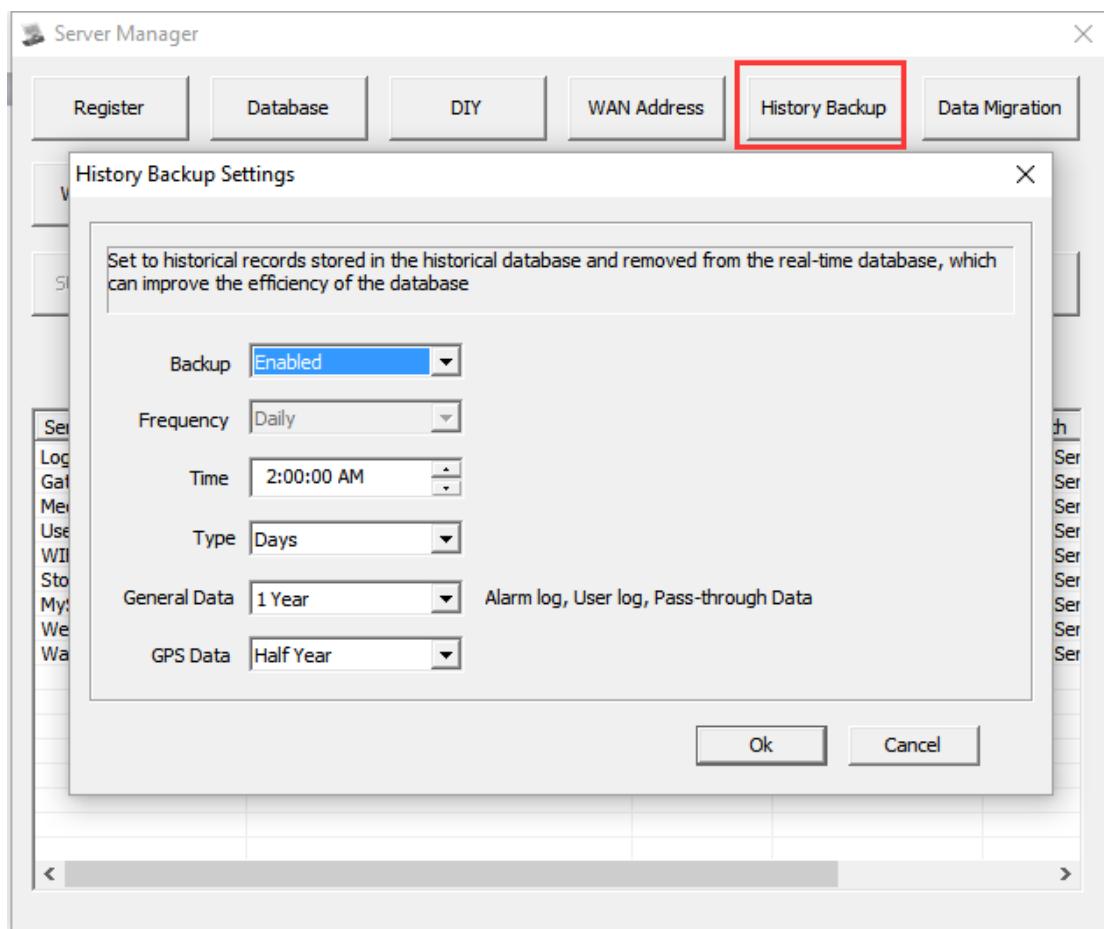


3.3.4 Network address configuration



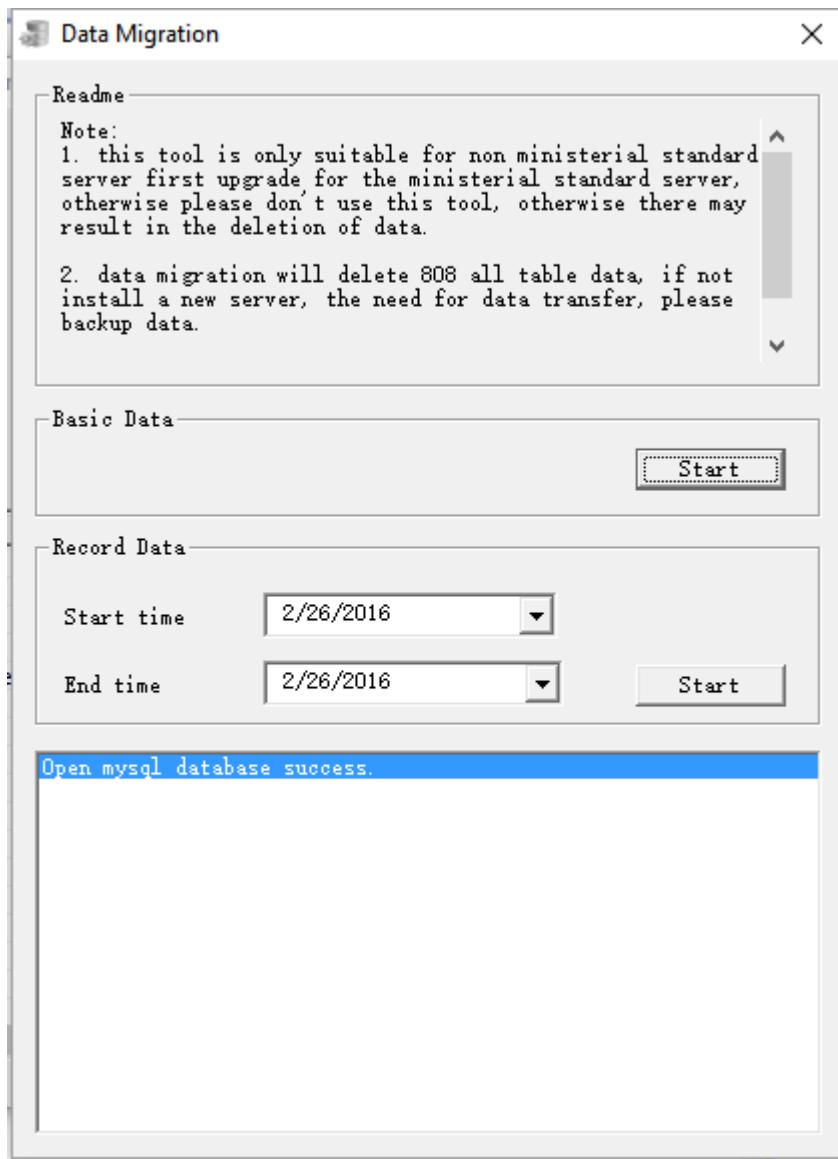
In the page it use to configure network address(**you can use IP address or domain mane**)

3.3.5 History Backup



3.3.6 data transfer

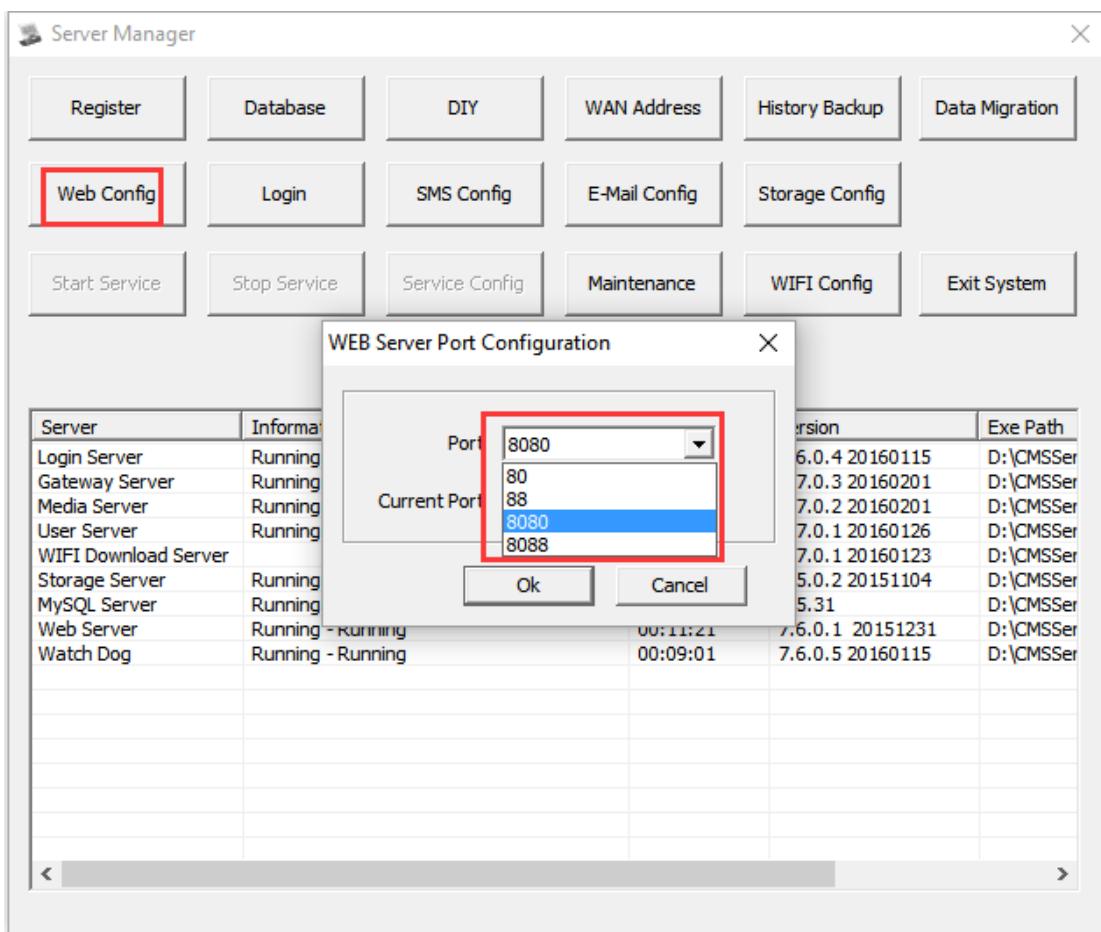
The function is used to RMSSeverV6 upgrade to RMSServerV7.



The step finish basic data migration, include: vehicles information, devices information, etc.. Other data need to operate next step can be finished migration.

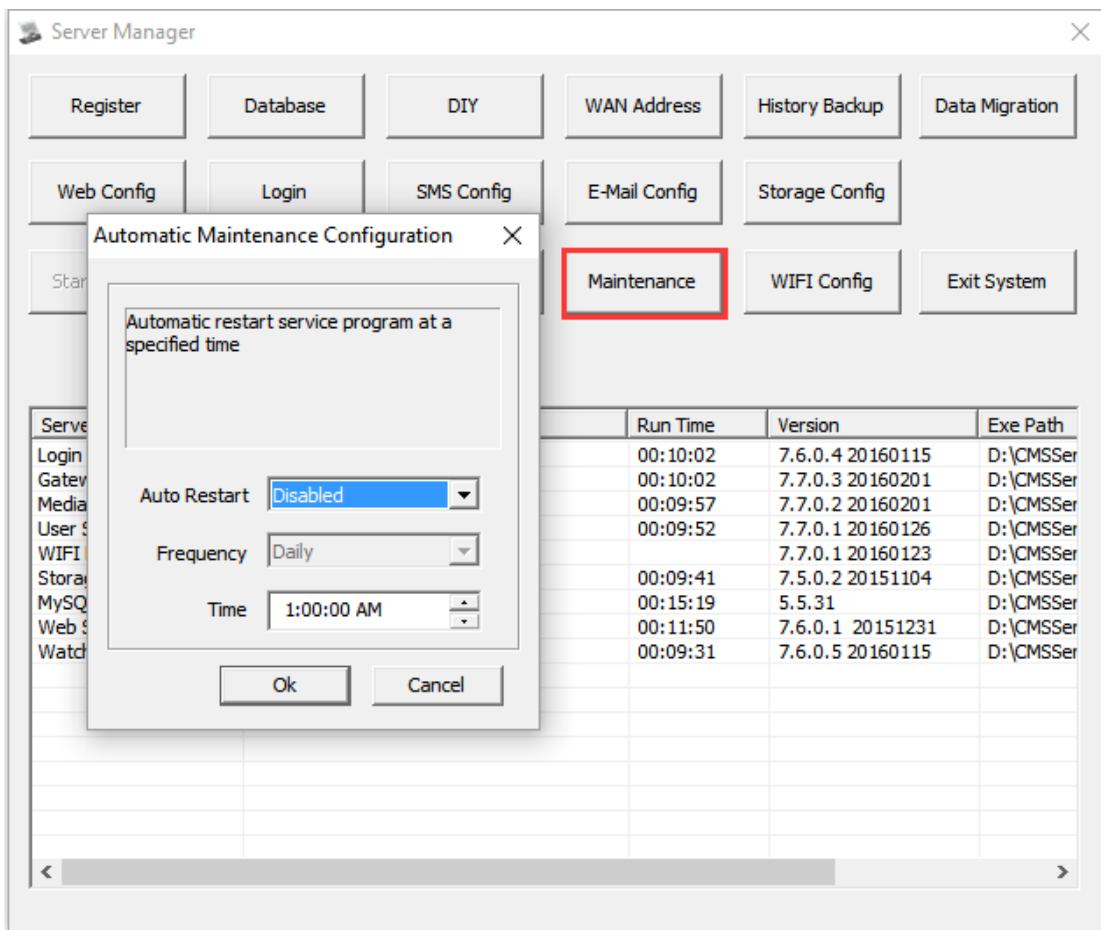
Log data: If the data like GPS data, alarm data are too large, it need more time to migrate the data. It does not affect the normal using the server.(**during migration do not close the screen until you are prompted success**)

3.3.7 web configuration



Connect to the web server port

3.3.8 automatic maintenance configuration



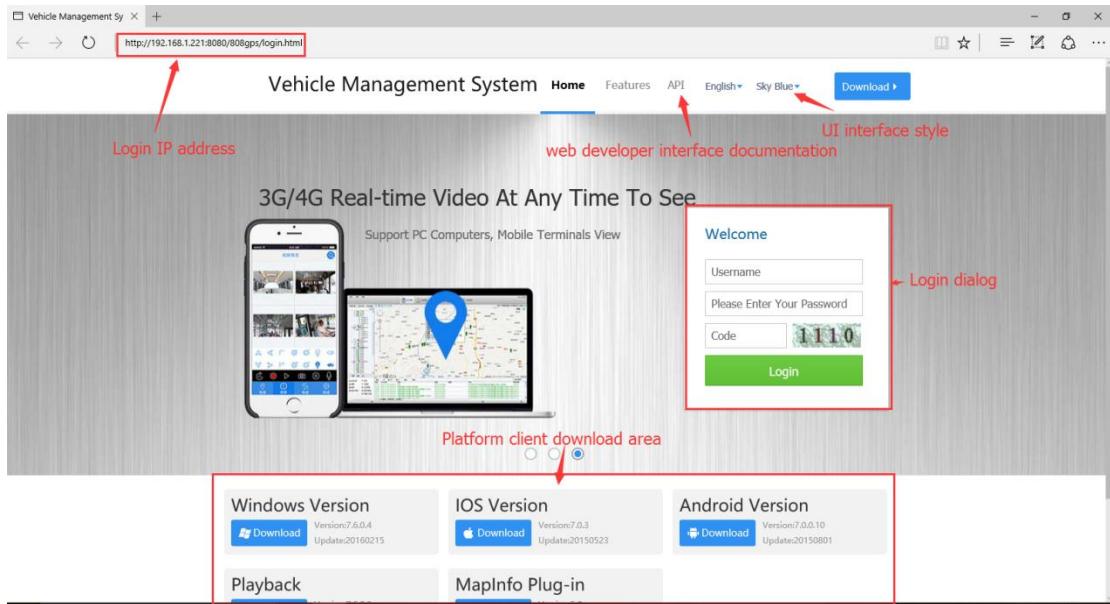
Propose disable, if you need the function, the server will enable auto restart.

4. web client manual

4.1 LOGIN and Run the system

4.1.1 LOGIN system

Open browser (support IE Version 8 and more), enter IP address in the browser(if the web port isn't 80, please add your server port) and the open the LOGIN page.



4.1.2 login in the system

Plate No.	GPS Time	Position	Speed	Alarm	Status	Mileage	Other Info
LA2900	2016-03-21 14:20:43	GPS Invalid	Invalid		(Line)ACC Off	34798.2 KM	DiskNormal,SDNormal,Network
KT2622	2016-03-21 14:20:33	GPS Invalid	Invalid		(Line)ACC On	40774.2 KM	DiskNormal,SDNormal,Network
GF312	2016-03-21 14:21:39	22.406016,114.209463	62.9 KM / H(South)	GNSS Antenna Missed or Cut	(Line)ACC On	38755 KM	DiskNormal,SDNormal,Network
K22504	2016-03-21 14:18:06	GPS Invalid	Invalid		(Line)ACC Off	17664.1 KM	DiskNormal,SDNormal,Network
LW8604	2016-03-21 14:21:38	22.416986,114.21385	71.6 KM / H(North)		(Line)ACC On	40698 KM	DiskNormal,SDNormal,Network
ET2591	2016-03-21 14:21:44	22.386623,114.203111	31.2 KM / H(South)	Fatigue Driving Alarm	(Line)ACC On	13852.8 KM	DiskNormal,SDNormal,Network

4.2 operation manager

4.2.1 composition of operation management

Composition of operation management: the information of vehicles, motorcades, role, company, devices, SIM Card, driver, insurance, expiration reminder.

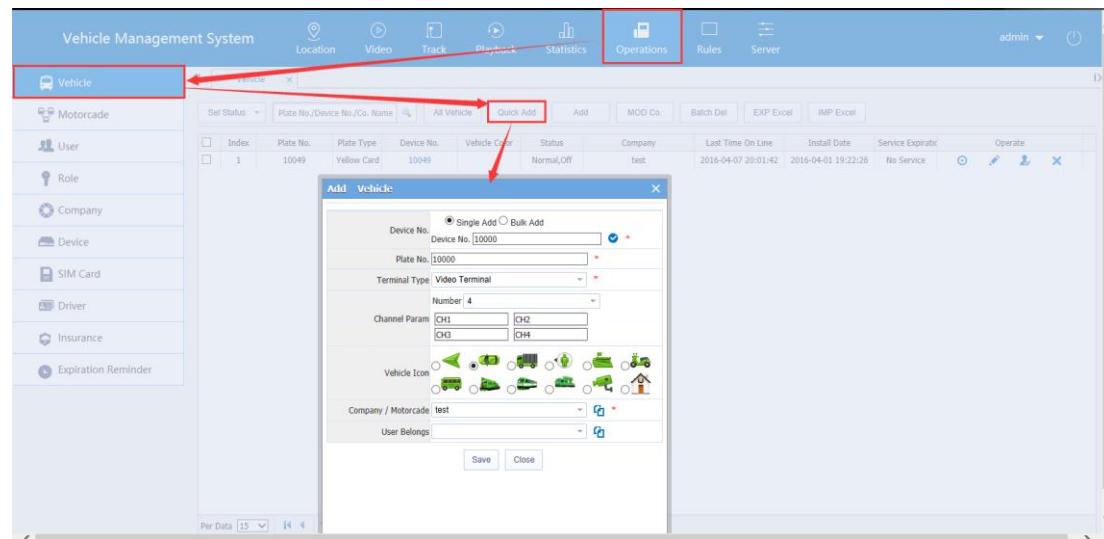
4.2.2 quickly add vehicle

The function of quickly add vehicle brings together all the features added to the car for this operation together, plus user-friendly operation for adding car.

1、quickly add device : add the device information

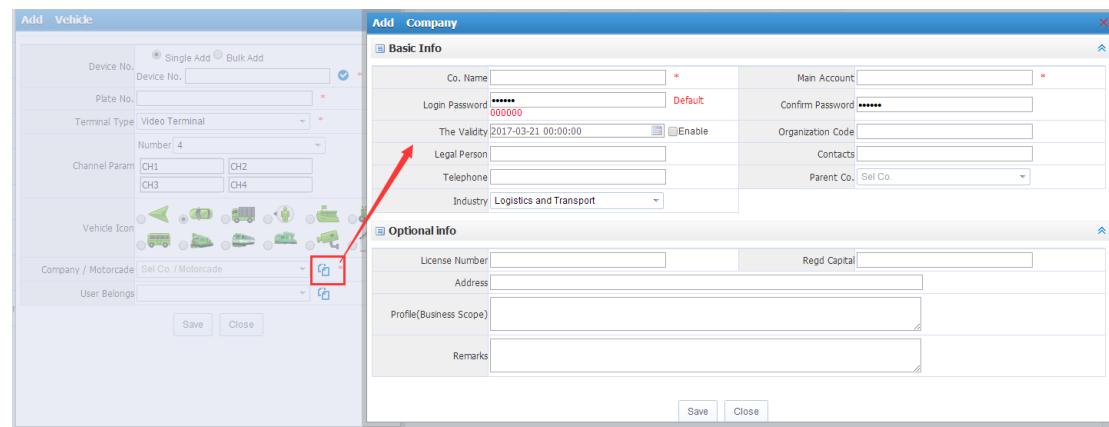
Device number B、plate number C、terminal type: positioning terminal、video terminal
 (the function of them haven't function different, but the different is the name) D、
 channel number: the number of cameras E、channel parameter: you can rename the
 channel

F、device icons



adding information of company or motorcades

A. Adding new a new company as the same time adding the main account (Supreme authority by default)



B、If there already have company name, you don't need to do the previous step, you can select the company or motorcades from the select box. (Select the default when the company vehicle directly to the main account without re-authorization Note: If the server versions prior to 2016.2 construction company is no distinction between primary account, please refer to the company's set up on the main directory 4.2.3.5 Companies Account)

Add Vehicle

Device No.	<input checked="" type="radio"/> Single Add <input type="radio"/> Bulk Add
Device No.	1233455 *
Plate No.	1233455 *
Terminal Type	Video Terminal *
Number	4
Channel Param	CH1 CH2 CH3 CH4
Vehicle Icon	
Company / Motorcade	<div style="border: 1px solid red; padding: 5px;"><p>Sel Co. / Motorcade</p><ul style="list-style-type: none"><input type="checkbox"/> RS<input type="checkbox"/> 27<input type="checkbox"/> TK<input type="checkbox"/> HK-test<p>Has no corresponding</p></div>
User Belongs	<div style="border: 1px solid red; padding: 5px;"><p>Save Close</p></div>

3、add users properties

It is a sub-account adding in the case.

A、add new user

The screenshot shows two overlapping windows. The top window is titled 'Add Vehicle' and contains fields for Device No., Plate Type, Terminal Type, Channel Param, Vehicle Icon, Company / Motorcade, and User Belongs. The bottom window is titled 'Add User' and contains fields for Basic Info (Company, Login Account, Login Password, Validity) and Role Name (assign permissions). A red arrow points from the 'User Belongs' dropdown in the vehicle form to the 'Role Name(assign permissions)' dropdown in the user form.

Role-permission assignment for the user

The screenshot shows two overlapping windows. The top window is titled 'Add User' and contains fields for Basic Info (Company, Login Account, Login Password, Validity) and Role Name (assign permissions). The bottom window is titled 'Add Privilege' and contains fields for Basic Info (Role Name, Co.) and a list of checkboxes for various permissions: Location, Audio And Video Surveillance, Terminal Control, Playback Manager, Statistics, Operations, Rule Set, and System Config. Red arrows point from the 'Role Name(assign permissions)' dropdown in the user form to the 'Role Name' field in the privilege form, and from the 'Role Name' field in the privilege form to the 'Role Name' field in the user form.

The default of the new role have not the permission assignment: Terminal Control,operations,rule set.

B、Already belongs to an account authorized users can be granted to multiple users simultaneously.

Add Vehicle

Device No.	<input checked="" type="radio"/> Single Add <input type="radio"/> Bulk Add
Device No.	Device No. <input type="text" value="123445"/> *
Plate No.	<input type="text" value="123445"/> *
Terminal Type	<input type="text" value="Video Terminal"/> *
Number	<input type="text" value="4"/>
Channel Param	<input type="text" value="CH1"/> <input type="text" value="CH2"/> <input type="text" value="CH3"/> <input type="text" value="CH4"/>
Vehicle Icon	
Company / Motorcade	<input type="text" value="txadmin"/> *
User Belongs	<div style="border: 1px solid red; padding: 5px;"> <input checked="" type="checkbox"/> ttbadmin <input checked="" type="checkbox"/> avmax <input checked="" type="checkbox"/> lufeng <input type="checkbox"/> kenvin <input type="checkbox"/> asia <input type="checkbox"/> Walker </div> <p style="text-align: right;">confirm</p>

4.2.3 information manager

4.2.3.1 Vehicles information

Car search, quickly add vehicle, add new vehicle, modify company,batch deletion,export excel, import excel

1. vehicles search

A: According the vehicle status(all,normal,line,repair,disable,arrears) to filter query, also can write down the keywords, as follow Fig.ture:

The screenshot shows the Vehicle Management System interface. On the left, there's a sidebar with a 'Vehicle' section containing icons for Motorcade, User, Role, Company, Device, SIM Card, Driver, Insurance, and Expiration Reminder. A dropdown menu 'Sel Status' is open, showing 'All', 'Normal', 'Line', 'Repair', 'Disable', and 'Arrears'. The main area displays a table of vehicle information with columns: Plate No., Plate Type, Device No., Vehicle Color, Status, Company, Last Time On Line, Install Date, Service Expiratx, and Operate. Two rows are shown: one for 'SPECTRUM' (Blue Card, 00597) and another for 'TAXI' (Yellow Card, 00598). At the top, there are buttons for Statistics, Operations, Rules, and Server, along with a user 'admin' and a power icon. Below the table are buttons for All Vehicle, Quick Add, Add, MOD Co., Batch Del, EXP Excel, and IMP Excel. At the bottom, there are page navigation controls and a message 'Displaying by 1 to 2 Total of 2 Records'.

Vehicle Management System											
Vehicle		Statistics		Operations		Rules		Server			
Sel Status											
All	Normal	Line	Repair	Disable	Arrears						
Plate No.	Plate Type	Device No.	Vehicle Color	Status	Company	Last Time On Line	Install Date	Service Expiratx	Operate		
SPECTRUM	Blue Card	00597	Normal	Line	IFATIGUE	2016-05-19 12:54:27	2016-04-07 00:00:00	No Service			
TAXI	Yellow Card	00598	Normal	Off	CONCOR		2016-04-07 00:00:00	No Service			
Per Data 15 The 1 Page Total 1 Page EXP Excel IMP Excel											
Displaying by 1 to 2 Total of 2 Records											

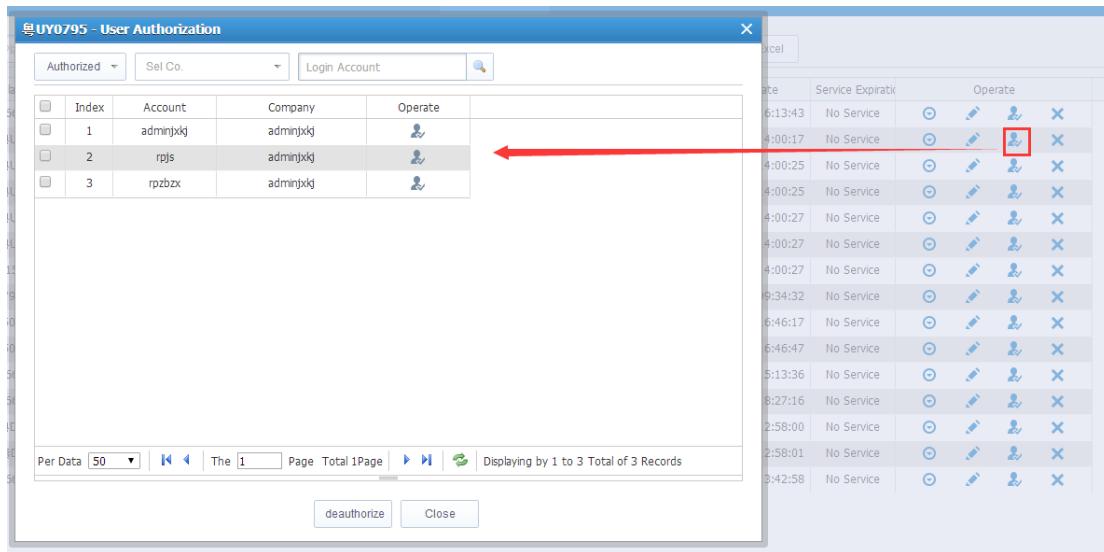
Above figure showing: showing all of the contents: plate No., plate type, Device No. , vehicle color, status, company, operate.

B : operate: edit the vehicle information, devices information.

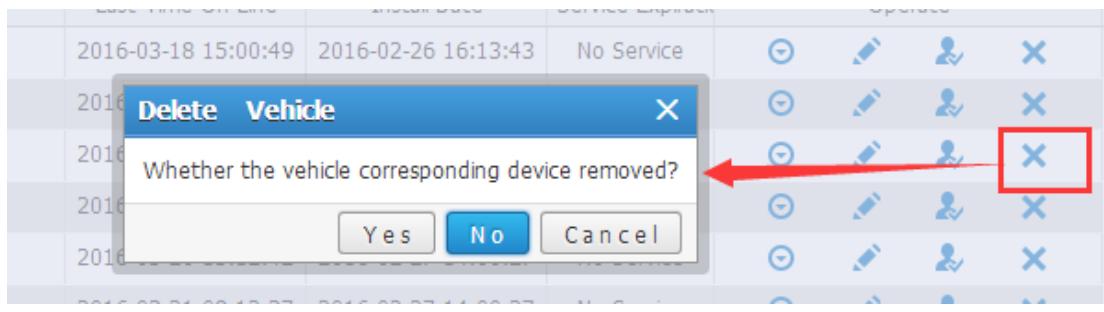
The screenshot shows the 'Edit Vehicle' dialog box. It has several tabs: 'Basic Info', 'Document Information', and 'Device Info'. In the 'Basic Info' tab, fields include Plate No. (SPECTRUM), Vehicle Color (Blue Card), Company (IFATIGUE), Plate Type (Blue Card), Use Status (Normal), Driver, Brand, Purpose (DEMO), Service Start Date (2016-04-07 06:00:00), Install Date (2016-04-07 06:00:00), Service Period (On Monthly Basis), and Vehicle Icon selection. In the 'Device Info' tab, fields include Device No. (00597), SIM No., Channel Param Number (2 FRONT CAM MR688), IO Input Param Number (1 FATIGUE ALARM), and Temperature Sensor Param Number (0). To the right of the dialog, there's a 'Service' panel with 'Service Expiratx' and 'Service' buttons, with an 'Operate' button highlighted with a red box. Navigation at the bottom includes 'Page Total 1 Page' and 'Displaying by 1 to 2 Total of 2 Records'.

Edit Vehicle									
Basic Info									
Plate No.	SPECTRUM	Vehicle Color		Plate Type	Blue Card				
Company	IFATIGUE		*	Driver					
Use Status	Normal	*		Vehicle Type					
Brand				Install Date	2016-04-07 06:00:00				
Purpose	DEMO			Service Period	(On Monthly Basis)				
Service Start Date	2016-04-07 06:00:00								
Vehicle Icon									
Document Information									
Driving License Number		Operator License Number		Driving License Expiration Time		Operator Certificate Expiration Time			
Device Info									
Device1(Master Device)									
Device No.	00597		*	SIM No.					
Channel Param Number	2	FRONT CAM	MR688						
IO Input Param Number	1	FATIGUE ALARM							
Temperature Sensor Param Number	0								
Per Data 15 The 1 Page Total 1 Page EXP Excel IMP Excel									
Displaying by 1 to 2 Total of 2 Records									

User Authorization: Authorization to the vehicle user (**provided the user and the vehicle is part of the same company**)



Delete: delete vehicle and device No. together.



2 , Adding new vehicle: all of the details information of the vehicle and device in the terminal.**Note:When the device connected to the peripheral module should correspond to the check, the client will display the corresponding function.** Figure show below:

Edit Vehicle

Plate No.	UY0769	Vehicle Color	
Company	adminjxkj	Plate Type	Yellow Card
Use Status	Normal	Driver	
Brand		Vehicle Type	
Purposes		Install Date	2016-02-27 14:00:25
Service Start Date	2016-02-27 14:00:25	Service Period(On Monthly Basis)	
Vehicle Icon			

vehicle information

Document Information

Device Info

Device1(Master Device)

Device No.	150226	device information
SIM No.		
Channel Param Number	4	CH1 CH2 CH3 CH4

IO Input Param Number: 0

Temperature Sensor Param Number: 0

Equipment external modules and/or necessary check on the access

Peripheral Modules

<input checked="" type="checkbox"/> Support Video	<input checked="" type="checkbox"/> Support Talkbox	<input checked="" type="checkbox"/> Support Monitor
<input checked="" type="checkbox"/> TTS (TTS voice playback)	<input type="checkbox"/> Fuel Sensor (Detecting vehicle fuel)	<input type="checkbox"/> Digital Intercom
<input type="checkbox"/> Fuel line controller (off the fuel and the fuel recovery)	<input type="checkbox"/> Circuit controller (cutoff circuit and recovery circuit)	<input type="checkbox"/> OBD
		<input type="checkbox"/> Traffic Statistics

3, Vehicle modifications Company: When they find a vehicle assigned to the wrong company can click on other vehicles or hook on the left of the option to be reassigned to the company name, showing below figure:

Vehicle Management System

Vehicle

- Motorcade
- User
- Role
- Company
- Device
- SIM Card
- Driver
- Insurance
- Expiration Reminder

Index	Plate No.	Plate Type	Device No.	Vehicle Color	Status	Actions
1	SPECTRUM	Blue Card	00597	MOD Co.	Normal	<input checked="" type="checkbox"/>
2	TAXI	Yellow Card	00598	MOD Co.	Normal	<input checked="" type="checkbox"/>

MOD Co.

Find Co.:

All Companies

IFATIGUE

CONCOR

Save

Per Data 15 ▾ The 1 Page Total 1 Page ▶ ▷ Displaying by 1 to 2 Total of 2 Records

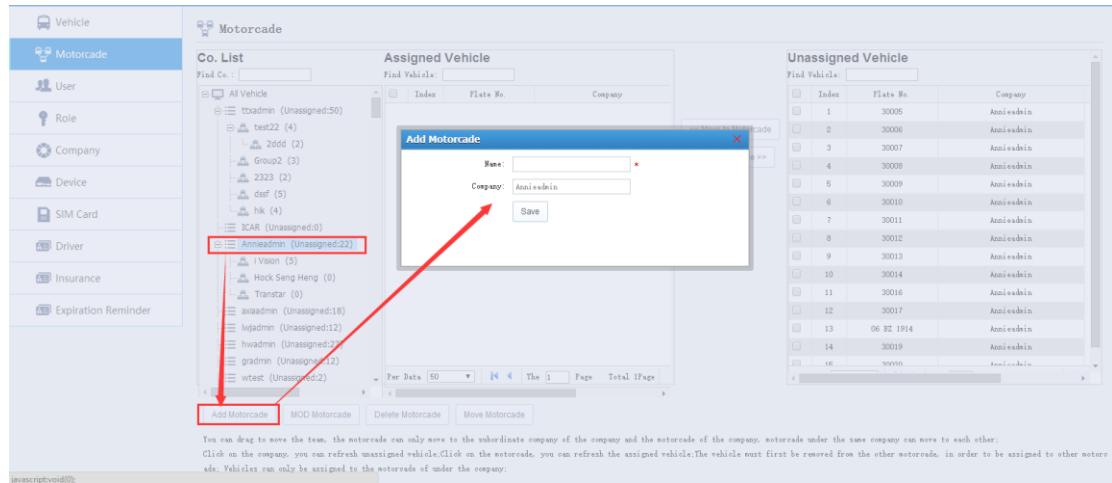
4 , bulk delete: the left hook on the button to remove the bulk of the vehicle

5, Export to Excel and from Excel Import: You can export the vehicle to add information to the Excel, it is also possible to import the information into other accounts.

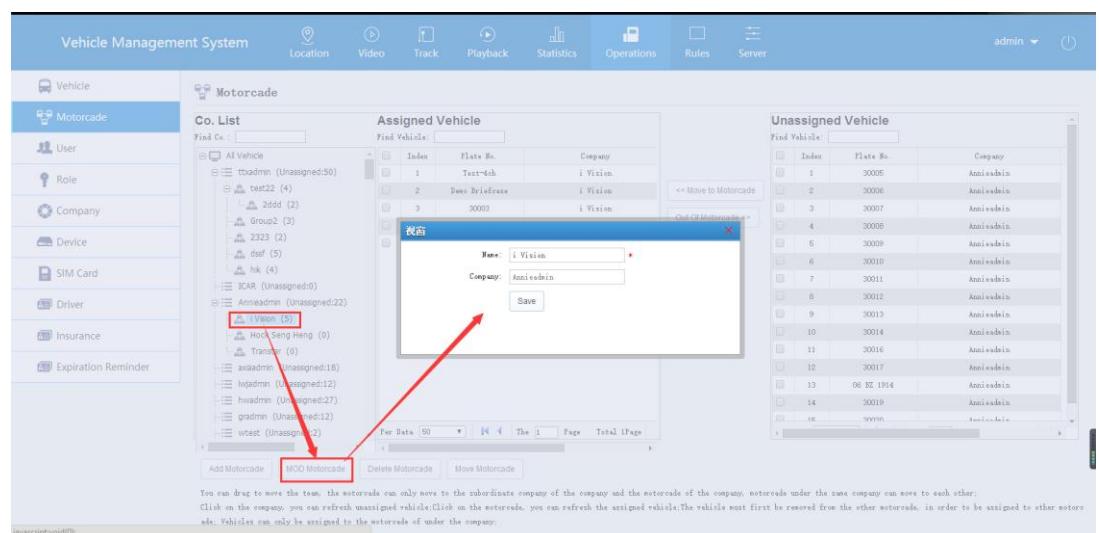
4.2.3.2 manage Motorcade

If the vehicles were assigned to the main account, you could assign the vehicles to the team account, as the same time , you could assign to the team user by setting a sub-account from the team account.

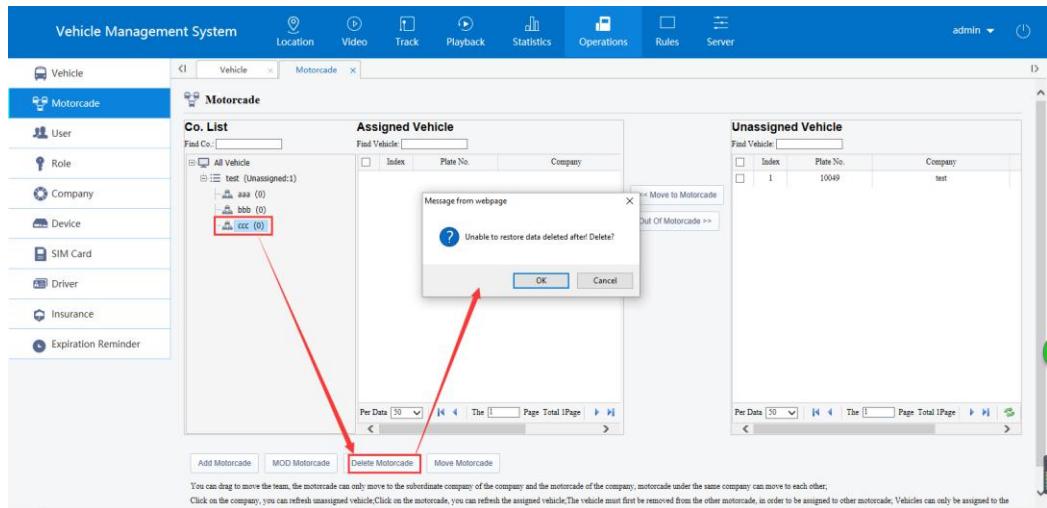
A, Add motorcade: Click company node» add motorcade » put in information



B, Modify the motorcade: Choose motorcade node » click"MOD Motorcade" » modify the name

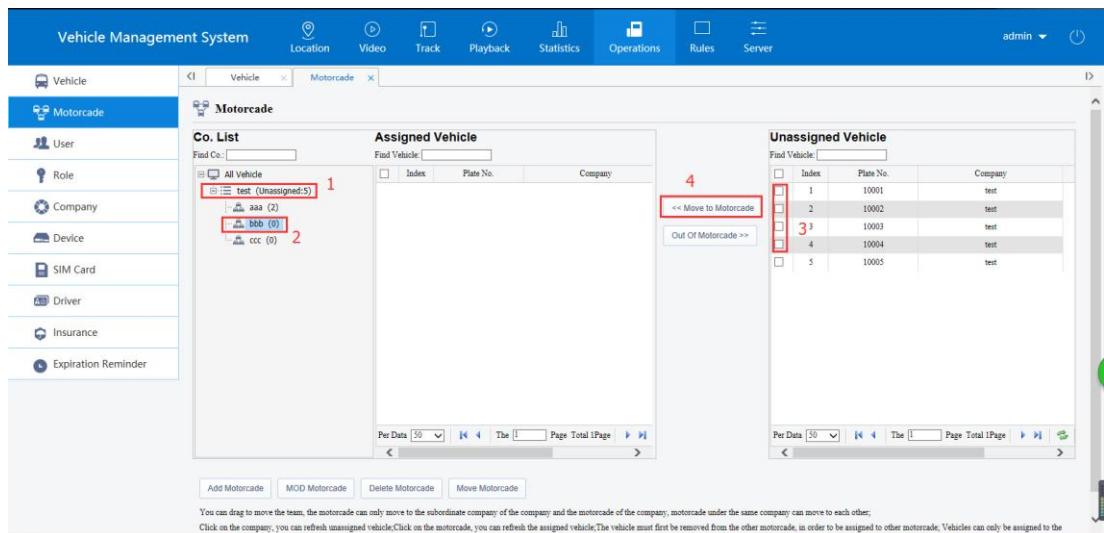


C, Delete Motorcade: choose motorcade note » click"Delete motorcade"



D. Move motorcade: Motorcade can only move in the company belonging to the same

Build a motorcade you can move the vehicles inside it. Click company» click motorcade» choose unassigned vehicles move to assigned vehicles. Figure bellow



NOTE: sub user account can be added at the assignment motorcade. we recommend using the default permissions are checked.

4.2.3.3 user information

the main functions: user search, add new user, operation

1, user search

Vehicle Management System									admin	Logout
	Location	Video	Track	Playback	Statistics	Operations	Rules	Server		
Vehicle	Vehicle	Motorcade	User							
Motorcade			All User	OL Client	Add	OL Count: 1				
User										
Role										
Company										
Device										
SIM Card										
Driver										
Insurance										
Expiration Reminder										

Per Data 15 | Page Total 1 Page | Displaying by 1 to 4 Total of 4 Records

2, Add new account: company, account(using to login Client), username, password, the validity(unchecked mean haven't the limited time, checked mean have the limited time), role name(role management)

	Login Account	Name	Update Time	Company	Status	Operate
1	1111	1111	2015-05-11 10:33:45	admin12345	use	
2	120	120	2016-01-16 03:32:14	STYL	use	

Add

OL Count: 9

Add User

Basic Info

Company *
Login Account:
Login Password:
The Validity:
Authorized Number:

User Name:
Confirm Password:
Role Name(assign permissions):

Save Close

New Role Management: Role name, company (company-owned), checked by default entries are ordinary users, there is no other choice privileges on the hook for management.

Edit Privilege

Basic Info

Role Name	admin_11 *
Co.:	Annieadmin

Location

Audio And Video Surveillance.

Terminal Control

Playback Manager

Statistics

Operations

Rule Set

System Config

Sel or Anti-Sel: |

Save **Close**

3, operation

A, Modify password B, Permissions Information

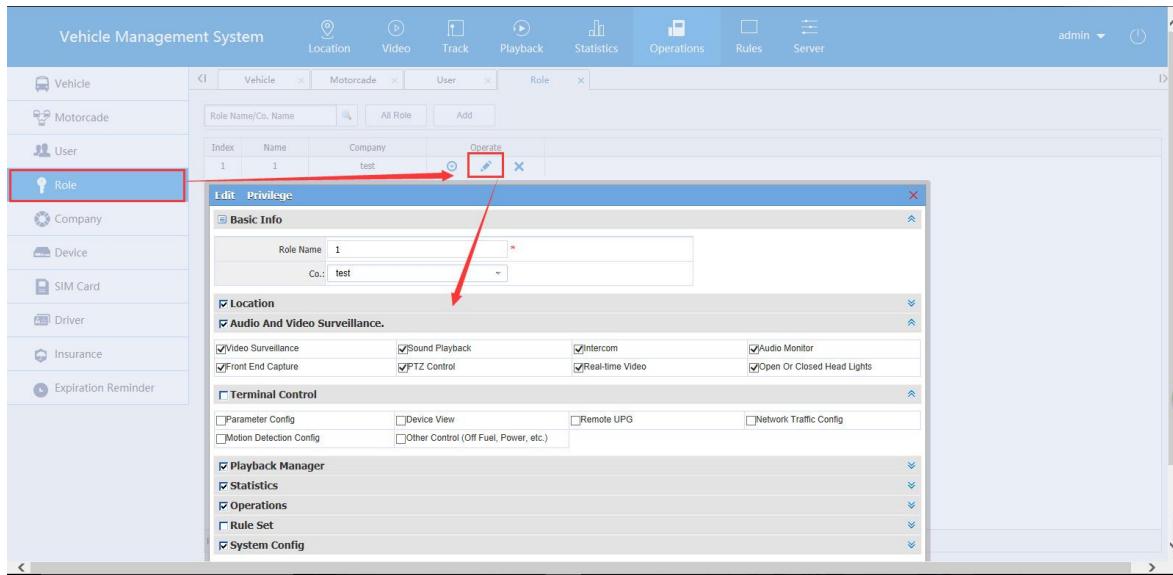
C, Vehicle authorization: Choose corresponding unauthorized vehicles licensed to this account

D, in detail: that View Profile

E, edit: that modify user information

4.2.3.4 ole management

Check role name, the new role



Adding new role management: role name, company(belong the company), checked default functions are for normal users, but unchecked functions are for the special management functions.

4.2.3.5 Company information

Inquiry company, the new company

A, assigning the main account to company (for previous version before 2016 .02)

Note: the main account can't be changed if you have assigned the account. So you should to be carefully to make the main account.

Basic Info	
Co. Name	admin12345 *
The Validity	2017-03-25 00:00:00 <input type="button" value="Enable"/>
Legal Person	
Telephone	
Industry	Logistics and Transport
Main Account	admin123456
Organization Code	hf12 1111 bestar hhxy xnxt
Contacts	
Parent Co.	

Optional info	
License Number	Regd Capital
Address	
Profile(Business Scope)	
Remarks	

Device management.

B, Query the device: Depending on the installation query, the query according to the device number. Query page as follow figure.

Index	Device No.	Device Serial No	Device Type	Brand	Model	Company	Install Status	Install Date	Belong Vehicle	Operate
1	99004		Other			tbaadmin	Installed	2016-03-25 18:38:04	37910	
2	10001		Other			tbaadmin	Installed	2016-03-25 18:38:04	粤A00002	
3	10002		Other			tbaadmin	Installed	2016-03-25 18:38:04	粤A00003	
4	10003		Other			tbaadmin	Installed	2016-03-25 18:38:04	10003	
5	10004		Other			tbaadmin	Installed	2016-03-25 18:38:04	10004	
6	011213		Video Terminal			tbaadmin	Installed	2016-03-25 18:38:04	011213	
7	530205077		Video Terminal			tbaadmin	Uninstall			
8	01380000009		Other			tbaadmin	Installed	2016-03-25 18:38:04	01380000009	
9	00666e8151d2		Other			tbaadmin	Installed	2016-03-25 18:38:04	00666e8151d2	
10	0000978		Other			tbaadmin	Installed	2016-03-25 18:38:04	0000978	
11	013800138006		Other			tbaadmin	Installed	2016-03-25 18:38:04	013800138006	
12	00666e839fc0		Other			tbaadmin	Installed	2016-03-25 18:38:04	00666e839fc0	
13	279		Other			tbaadmin	Installed	2016-03-25 18:38:04	279	
14	280		Other			tbaadmin	Installed	2016-03-25 18:38:04	280	
15	281		Other			tbaadmin	Installed	2016-03-25 18:38:04	281	

Number of Management: the total number of the devices are permitted in the software.

Number of Added: the devices have been added.

The Number Can Be Added: the number of licenses which haven't been added devices.

OL Number: the online vehicles

Unregistered Number: the devices which have been connected with the server but haven't been added the ID of device.

4.2.3.6 SIM card information

search SIM, add new SIM Card

Index	SIM No.	Status	Registration Time	Company	Install Status	Operate
1	289	Enabled	2014-12-01 14:02:24	ttxadmin	Installed	
2	66014	Enabled	2014-03-25 08:00:00	ttxadmin	Installed	
3	90719	Enabled	2014-03-18 10:46:43	ttxadmin	Installed	
4	90713	Enabled	2014-03-18 10:38:25	ttxadmin	Installed	
5	90711	Enabled	2014-03-18 10:38:25	ttxadmin	Installed	
6	67703	Enabled	2014-09-11 16:15:38	ttxadmin	Installed	
7	67704	Enabled	2014-09-11 16:15:38	ttxadmin	Installed	
8	67706	Enabled	2014-09-11 16:15:38	ttxadmin	Installed	
9	67707	Enabled	2014-09-11 16:15:38	ttxadmin	Installed	
10	67708	Enabled	2014-09-11 16:15:38	ttxadmin	Installed	
11	67709	Enabled	2014-09-11 16:15:38	ttxadmin	Installed	
12	67710	Enabled	2014-09-11 16:15:38	ttxadmin	Installed	
13	294	Enabled	2014-12-01 14:02:24	ttxadmin	Installed	
14	293	Enabled	2014-12-01 14:02:24	ttxadmin	Installed	
15	66015	Enabled	2014-03-25 08:00:00	ttxadmin	Installed	

Per Data 15 | The 1 Page Total 37 Page Displaying by 1 to 15 Total of 555 Records

4.2.3.7 driver information

search driver's information, add driver's information

4.2.3.8 insurance information

Insurance information

The screenshot shows a software interface for managing vehicle-related data. On the left, there is a vertical sidebar with icons and labels for Vehicle, Motorcade, User, Role, Company, Device, SIM Card, Driver, and Insurance. The 'Insurance' icon is highlighted with a red box. The main area has a grid of data with columns: Index, Plate No., Company, Plate Type, Insurance Company, Agent, Telephone, Effective Time, Dead Dime, Remind Days, Actual Price, and Operate. Above the grid, there are buttons for Sel Status, Install Status, SIM No. (with a search icon), All SIM, and Add. A modal dialog box titled 'Create Insurance' is open, showing a 'Base Info' section with fields for Plate No., Insurance Company, Agent, Telephone, Effective Time (set to 2016-03-25), Dead Dime (set to 2016-03-25), Remind Days, Price (yuan), Discount (%), and Actual Price. There are also 'Save' and 'Close' buttons at the bottom of the dialog. A red arrow points from the 'Insurance' tab in the sidebar to the 'Add' button in the main panel. A red box highlights the 'Base Info' section of the 'Create Insurance' dialog.

4.2.3.9 Expiration Reminder

The function of “Expiration Reminder” is used to manage the usage time for device

1、The vehicle need be set a limit time before use the function.

Edit Vehicle

Basic Info

Plate No. <input type="text" value="10049"/>	Vehicle Color <input type="text"/>
Company <input type="text" value="test"/>	Plate Type <input type="text" value="Yellow Card"/>
Use Status <input type="text" value="Normal"/>	Driver <input type="text"/>
Brand <input type="text"/>	Vehicle Type <input type="text"/>
Purposes <input type="text"/>	Install Date <input type="text" value="2016-04-01 19:22:26"/>
Service Start Date <input type="text" value="2016-04-01 19:22:26"/>	Service Period(On Monthly Basis) <input type="text"/>

Vehicle Icon:

Document Information

Driving License Number <input type="text"/>	Operator License Number <input type="text"/>
Driving License Expiration Time <input type="text"/>	Operator Certificate Expiration Time <input type="text"/>

Device Info

Device1(Master Device)	
Device No. <input type="text" value="10049"/>	
SIM No. <input type="text"/>	
Channel Param Number <input type="text" value="4"/>	CH1 <input type="text"/> CH2 <input type="text"/> CH3 <input type="text"/> CH4 <input type="text"/>
IO Input Param Number <input type="text" value="0"/>	
Temperature Sensor Param Number <input type="text" value="0"/>	

2、The report of data in the expiration reminder.

Vehicle

Expiration Date: **Unlimited**

Plate No.

Index	Plate No.	Company	Plate Type	Insurance Expiration Time	Driving License Expiration Time	Operator Certificate Expiration Time	Service Expiration Time	Expired State
1	90734	axadmin	Blue Card	No Purchase Insurance	No Driving License	No Operating License	2016-03-18	Service Has Expired
2	90740	test22	Blue Card	No Purchase Insurance	No Driving License	No Operating License	2016-03-28	2 Days After The Expiration Of Service
3	90735	tbttest	Blue Card	No Purchase Insurance	No Driving License	No Operating License	2016-03-18	Service Has Expired
4	90736	tbttest	Blue Card	No Purchase Insurance	No Driving License	No Operating License	2016-03-18	Service Has Expired
5	90737	axadmin	Blue Card	No Purchase Insurance	No Driving License	No Operating License	2016-03-18	Service Has Expired
6	90738	111	Blue Card	No Purchase Insurance	No Driving License	No Operating License	2016-03-18	Service Has Expired
7	90739	tbttest	Blue Card	No Purchase Insurance	No Driving License	No Operating License	2016-03-18	Service Has Expired
8	90741	test22	Blue Card	No Purchase Insurance	No Driving License	No Operating License	2016-03-28	2 Days After The Expiration Of Service
9	90742	tbttest	Blue Card	No Purchase Insurance	No Driving License	No Operating License	2016-03-28	2 Days After The Expiration Of Service
10	90743	tbttest	Blue Card	No Purchase Insurance	No Driving License	No Operating License	2016-03-28	2 Days After The Expiration Of Service
11	Test-4ch	Annieadmin	Blue Card	No Purchase Insurance	No Driving License	No Operating License	2016-03-03	Service Has Expired
12	Demo Briefcase	Annieadmin	Blue Card	No Purchase Insurance	No Driving License	No Operating License	2016-03-03	Service Has Expired
13	30003	Annieadmin	Blue Card	No Purchase Insurance	No Driving License	No Operating License	2016-03-03	Service Has Expired
14	Test-8ch	Annieadmin	Blue Card	No Purchase Insurance	No Driving License	No Operating License	2016-03-03	Service Has Expired
15	30005	Annieadmin	Blue Card	No Purchase Insurance	No Driving License	No Operating License	2016-03-03	Service Has Expired

4.3 Location targeting

In RMVS page on the left side of the terminal client can list the devices in real-time monitoring and display the location on the map.

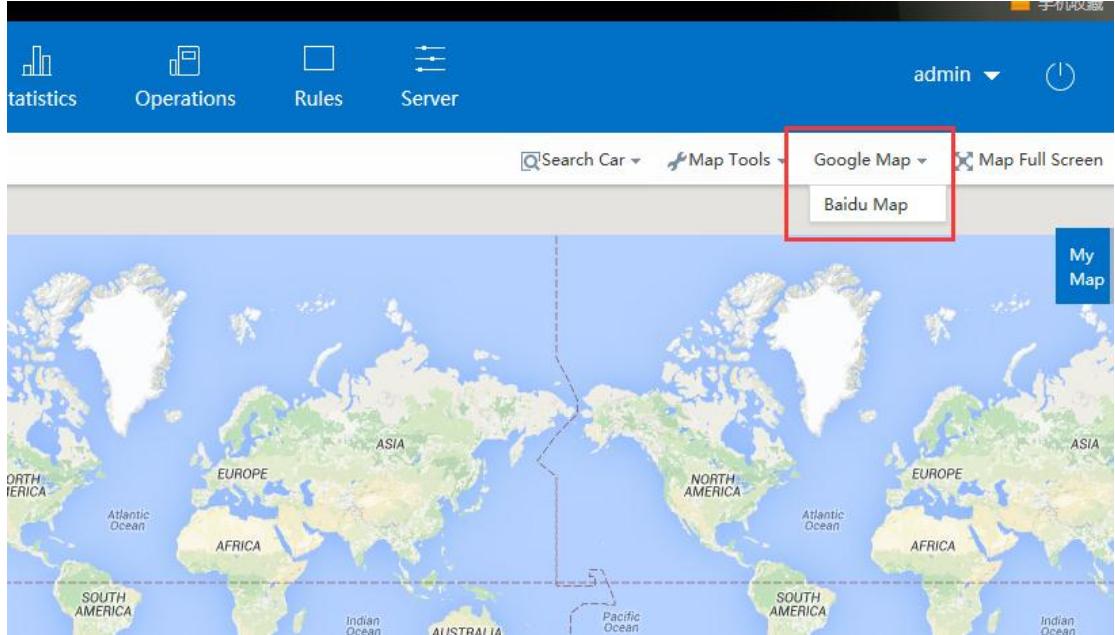
4.3.1 Map Monitor

- Select the devices from the list, the devices checked is be monitored, and remove the checked will be cancel real-time monitoring.
- The checked devices will be monitor by real-time, and in the map the real-time information is displaying, likes: device's name, the current speed, data and time, day mileage, total mileage. the information of driver, location, alarm

information, and you can use the function of seeing the real-time video, intercom, monitor, etc..

3. Change the type of map

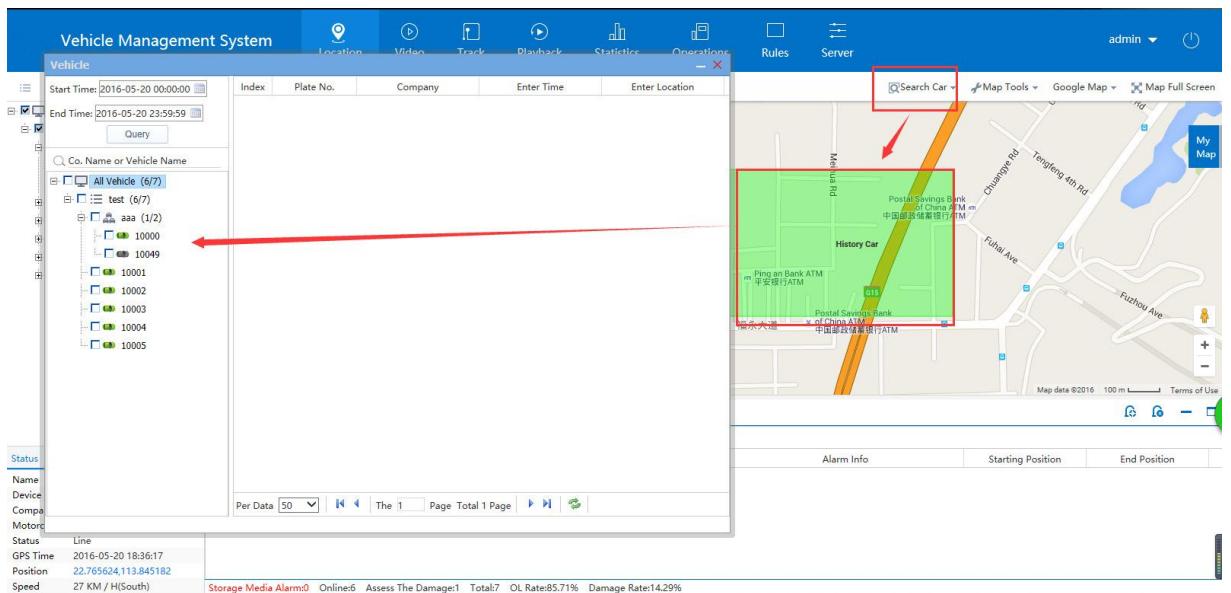
There is a select menu in Upper right corner of the map, and two chooses:Baidu Map, Google map.



Zoom: Users can drag the map on the left of the vertical scroll bar or click the "+", "-".

Button to zoom in or out on the map.

4. Check the car, check one area can check the position of the vehicle

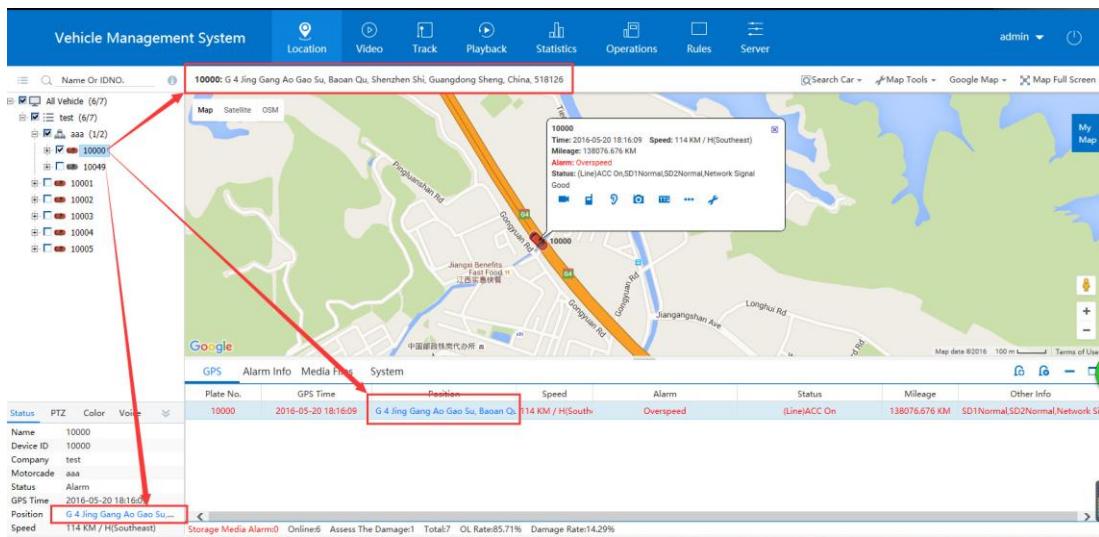


4.3.2 Information Bar

Display: Defines the vehicle color, GPS monitoring, alarm messages, media files, system events.

4.3.2.1 GPS monitor

Default location just show the latitude and longitude position, only by click it will be changed to address information. As the same in the playback.



4.3.2.2 alarm information

You can see the alarm and mark the alarm process notes, the notes will be saved in the report.

Alarm List

Start Time: 2016-03-28 00:00:00 End Time: 2016-03-28 23:59:59 Handle Status: All

ID: 湘E36516 Alarm Type: All

Operate	Index	Plate No.	Alarm Type	Start Time	End Time	Alarm Info
	1	湘E36516	ACC Open Alarm	2016-03-28 09:36:10	2016-03-28 09:36:10	
	2	湘E36516	ACC Open Alarm	2016-03-28 09:28:59	2016-03-28 09:31:43	
	3	湘E36516	ACC Open Alarm	2016-03-28 07:07:18	2016-03-28 07:07:18	
	4	湘E36516	ACC Open Alarm	2016-03-28 06:54:10	2016-03-28 07:01:26	
	5	湘E36516	ACC Open Alarm	2016-03-28 06:22:13	2016-03-28 06:27:50	

GPS Alarm Info

clear View

Operate Plate No. Per Data 15 The 1 Page Total 1 Page Displaying by 1 to 5 Total of 5 Records

湘E36516 1 Device OFL 2016-03-28 11:30:45

湘E36617 1 ACC Closed Alarm 2016-03-28 11:30:33

粤D07980 1 Speed Alarm Alarm Start 2016-03-28 11:29:06 Alarm Speed: 101 KM / H 19.55531,110.394503

4gq-006 2 GPS Signal Loss Alarm Start 2016-03-28 11:29:53 GPS Invalid

All of alarms record in the alarm Query RPT, and the alarm process information included in it.

Vehicle Management System

Location Video Track Playback Statistics Operations Rules Server

Driving Behavior RPT

OL and OFL RPT

Alarm RPT

- Alarm Statistics RPT
- Alarm Query 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

Alarm Query RPT

Sel Time: Custom Time Start Time: 2016-03-28 00:00:00 End Time: 2016-03-28 23:59:59

Vehicle: All Vehicle Alarm: All Handle Status: All

Ind	Plate No.	Plate Color	Alarm Type	Alarm Source	Start Time	End Time	Alarm Duration	Start Speed(KM / H)	End Speed(KM / H)	S
1	粤C32321	Blue Card	Overspeed Alarm	Device	2016-03-28 00:00:08	2016-03-28 00:00:08	88.00	88.00	22	
2	民勤G2849	Yellow Card	ACC Ignition	Device	2016-03-28 00:00:48	2016-03-28 00:00:48	0.00	0.00	23	
3	粤UT1041	Blue Card	Overspeed Alarm	Device	2016-03-28 00:01:33	2016-03-28 00:01:33	117.00	117.00	23	
4	粤U11297	Blue Card	Overspeed Alarm	Device	2016-03-28 00:01:38	2016-03-28 00:01:38	106.00	106.00	22	
5	粤C32321	Blue Card	Overspeed Alarm	Device	2016-03-28 00:02:11	2016-03-28 00:02:11	92.00	92.00	22	
6	粤UT1041	Blue Card	Overspeed Alarm	Device	2016-03-28 00:03:41	2016-03-28 00:03:41	117.00	117.00	23	
7	粤U11297	Blue Card	Overspeed Alarm	Device	2016-03-28 00:03:43	2016-03-28 00:03:43	106.00	106.00	22	
8	粤C32321	Blue Card	Overspeed Alarm	Device	2016-03-28 00:04:14	2016-03-28 00:04:14	81.00	81.00	22	
9	011215	Blue Card	Overspeed Alarm	Device	2016-03-28 00:04:34	2016-03-28 00:04:51	17S	14.00	-22	
10	011215	Blue Card	Overspeed Alarm	Device	2016-03-28 00:05:23	2016-03-28 00:07:33	12.00	15.00	-22	
11	粤V11742	Blue Card	Overspeed Alarm	Device	2016-03-28 00:06:00	2016-03-28 00:06:00	101.00	101.00	22	
12	粤U11297	Blue Card	Overspeed Alarm	Device	2016-03-28 00:06:10	2016-03-28 00:06:10	106.00	106.00	22	
13	粤C32321	Blue Card	Overspeed Alarm	Device	2016-03-28 00:06:16	2016-03-28 00:06:16	94.00	94.00	22	
14	011215	Blue Card	Overspeed Alarm	Device	2016-03-28 00:08:03	2016-03-28 00:08:26	23S	13.00	-22	
15	粤C32321	Blue Card	Overspeed Alarm	Device	2016-03-28 00:08:19	2016-03-28 00:08:19	92.00	92.00	22	

Vehicle Management System

Location Video Track Playback Statistics Operations Rules Server

Driving Behavior RPT

OL and OFL RPT

Alarm RPT

- Alarm Statistics RPT
- Alarm Query 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

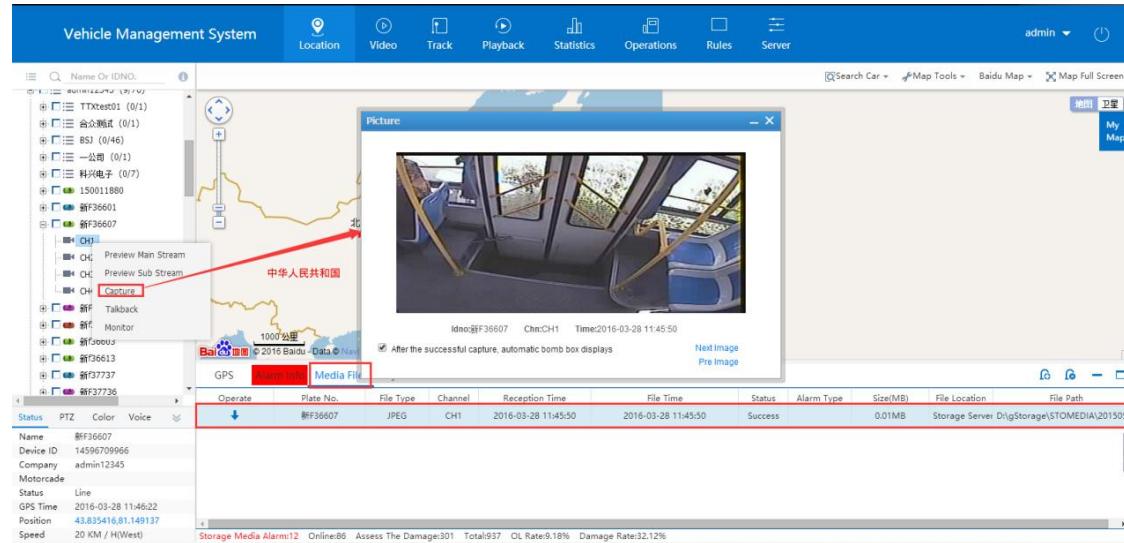
Alarm Query RPT

Ind: 89.59 Query EXP File Format

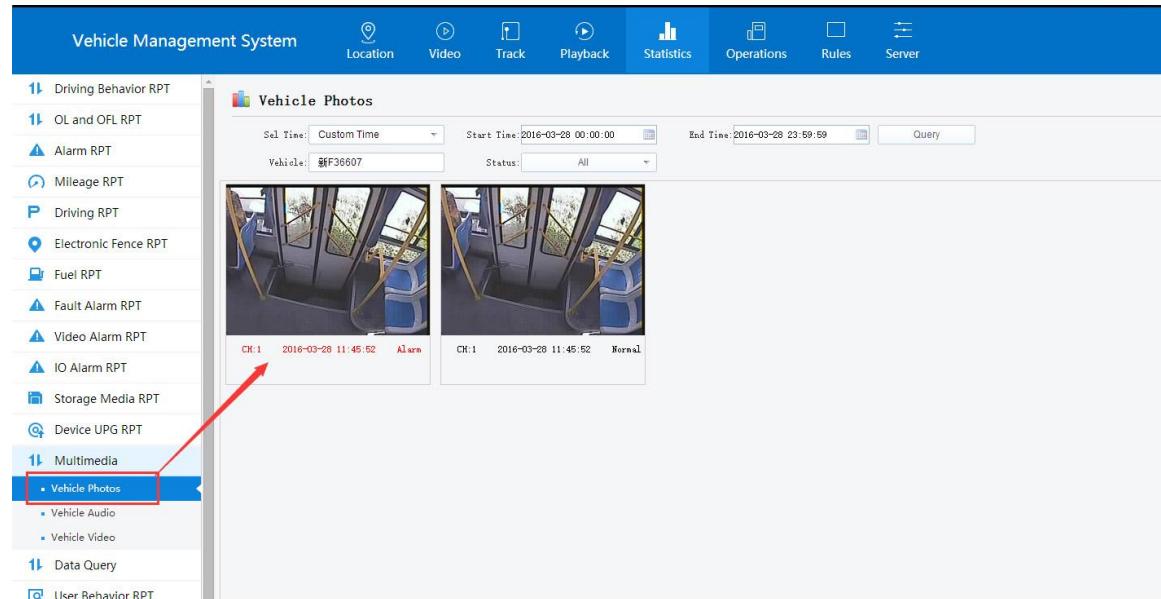
Ind	Alarm Duration	Start Speed(KM / H)	End Speed(KM / H)	Starting Position	End Position	Alarm Info	Handle Stat	Handle User	Handle Content	Handle Time
1	88.00	88.00	22.728763,113.469670	22.728763,113.469670	22.728763,113.469670	Alarm Speed: 88 KM/h, Low Unreated				
2	0.00	0.00	23.394222,113.294661	23.394222,113.294661	23.394222,113.294661	Unreated				
3	117.00	117.00	23.189556,114.512078	23.189556,114.512078	23.189556,114.512078	Alarm Speed: 117 KM/h, Low Unreated				
4	92.00	92.00	22.751121,113.463733	22.751121,113.463733	22.751121,113.463733	Alarm Speed: 92 KM/h, Low Unreated				
5	106.00	106.00	22.867743,114.725831	22.867743,114.725831	22.867743,114.725831	Alarm Speed: 106 KM/h, Low Unreated				
6	92.00	92.00	23.184495,114.552974	23.184495,114.552974	23.184495,114.552974	Alarm Speed: 92 KM/h, Low Unreated				
7	81.00	81.00	22.777603,113.494605	22.777603,113.494605	22.777603,113.494605	Alarm Speed: 81 KM/h, Low Unreated				
8	17S	14.00	-22.932421,14.529366	-22.932421,14.529366	-22.932421,14.529366	Alarm Speed: 14 KM/h, Low Unreated				
9	12.00	15.00	-22.931294,14.521998	-22.931294,14.521998	-22.931294,14.521998	Alarm Speed: 12 KM/h, Low Unreated				
10	101.00	101.00	22.807156,115.049093	22.807156,115.049093	22.807156,115.049093	Alarm Speed: 101 KM/h, Low Unreated				
11	106.00	106.00	22.894750,114.762650	22.894750,114.762650	22.894750,114.762650	Alarm Speed: 106 KM/h, Low Unreated				
12	94.00	94.00	22.797083,113.495240	22.797083,113.495240	22.797083,113.495240	Alarm Speed: 94 KM/h, Low Unreated				
13	23S	13.00	-22.932425,14.529368	-22.932425,14.529368	-22.932425,14.529368	Alarm Speed: 13 KM/h, Low Unreated				
14	92.00	92.00	22.823210,113.483246	22.823210,113.483246	22.823210,113.483246	Alarm Speed: 92 KM/h, Low Unreated				

4.3.2.3 media files

The main interface is recorded in the operation to capture, recording video, sound recording, video file or device to upload photos and other documents on the media, it will be displayed in real time here.



Them media files can be searched from Vehicle photos RPT

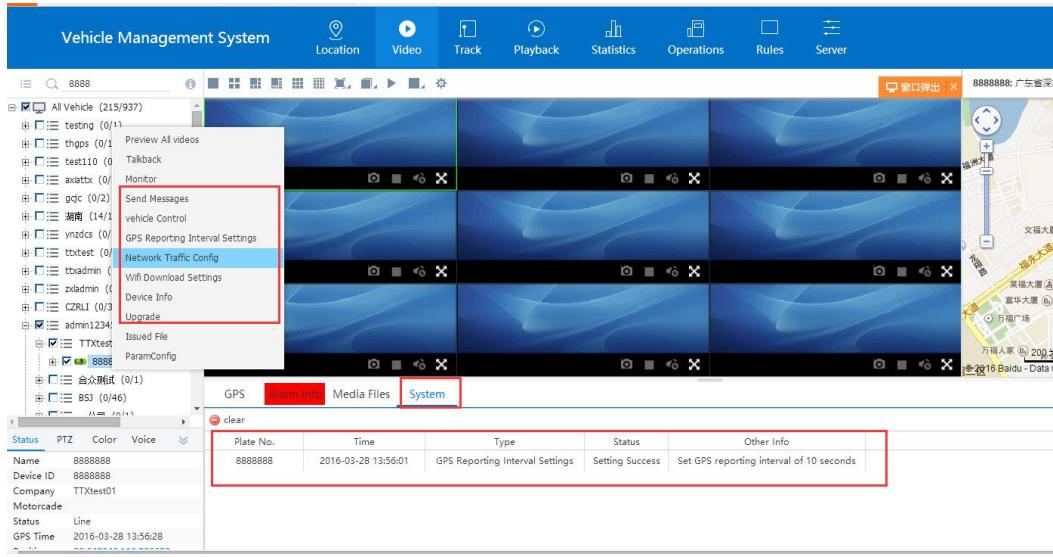


4.3.2.4 system information

1、The system record the vehicle control, GPS reporting intervals.

Vehicle control: the device restarts, factory reset, mileage cleaning, clear the alarm (**for all devices**)

GPS reporting interval settings: GPS data display interval up only GPS monitoring



4.4 Real-time video

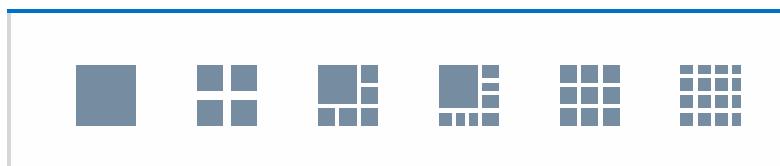
◦

Go Video Video interface, simply double-click the device list of devices, the video window can be real-time video preview. Users can also open the specified device in the specified channel video video preview window (the time of preview video and the time of the video record by device should be synchronized).

4.4.1 Video toolbar

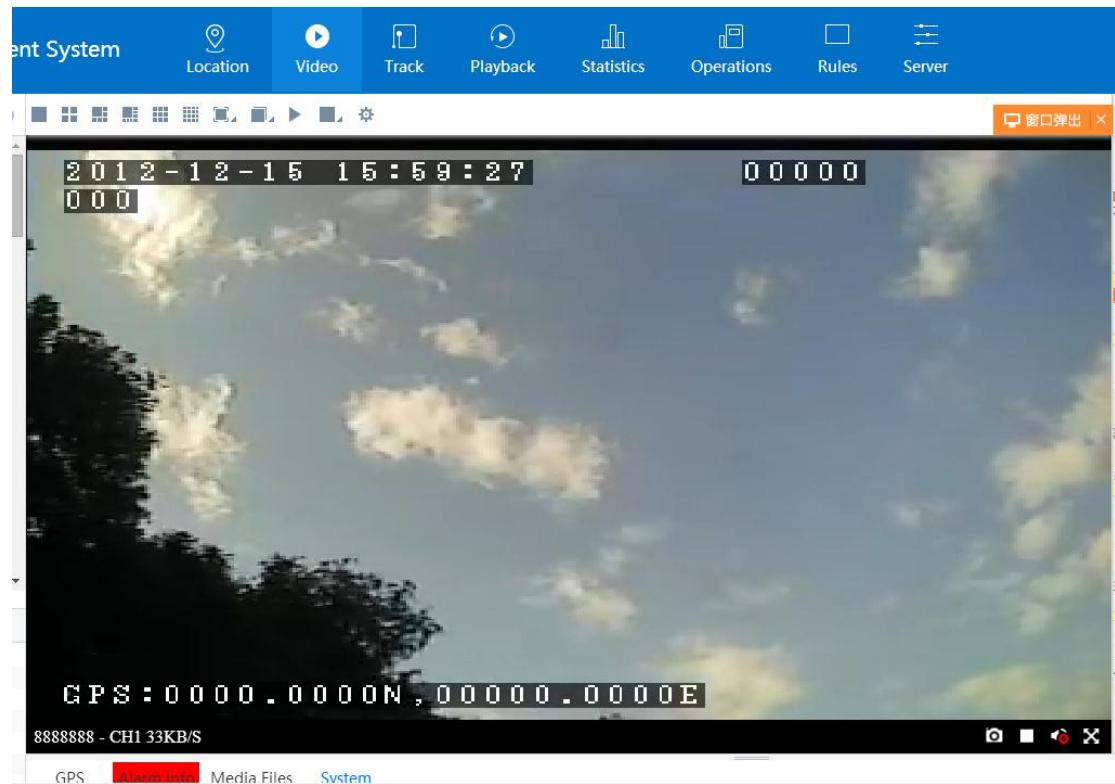


1, 4, 6, 8, 9, 16 screen video window mode, corresponding to the figure below

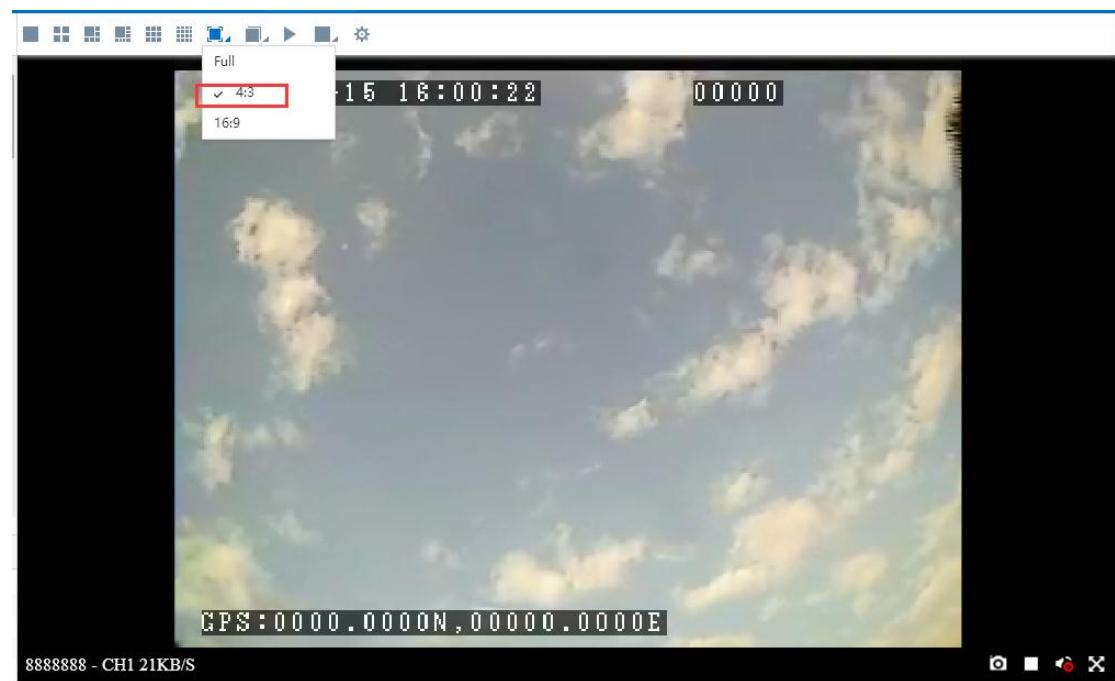


Video screen display modes: full screen display 1-, 2- 4: 3 display, 3-16: 9

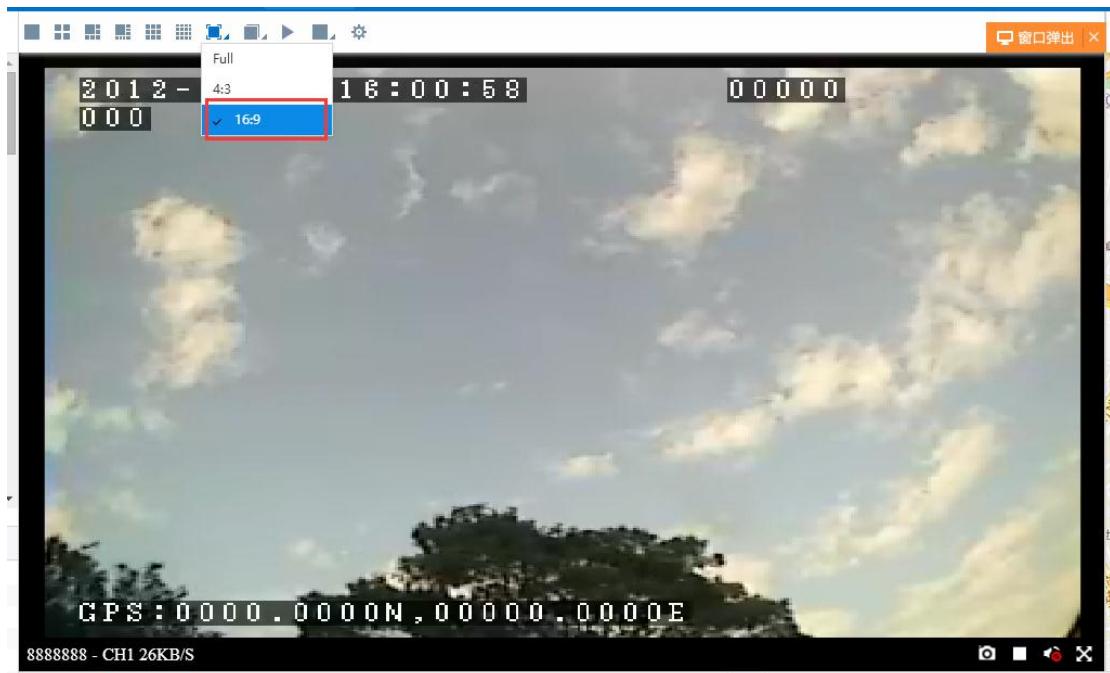
1, Full screen display



4: 3 display: use the aspect ratio of 4: 3 video display

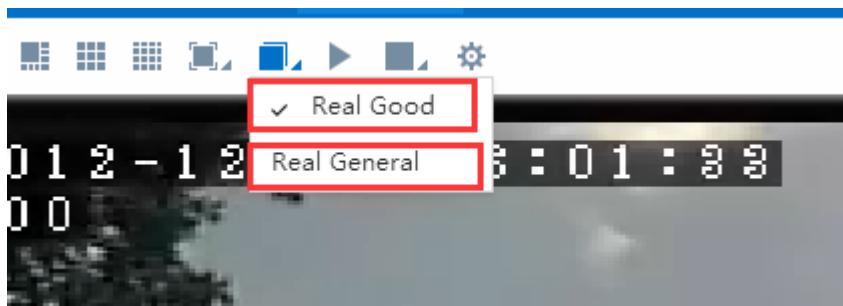


16: 9 display: use the aspect ratio of 16: 9 video display

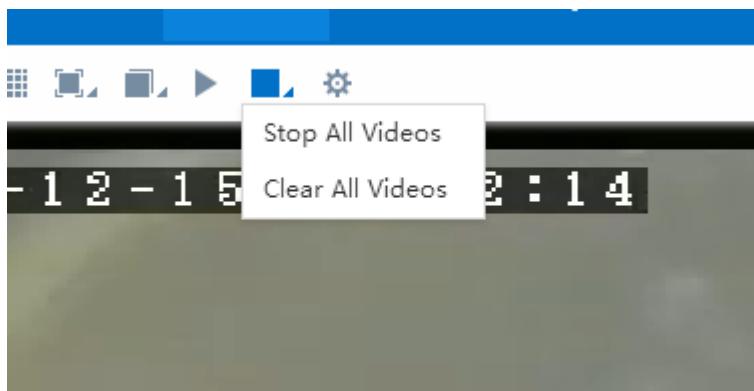


Select the video effect: real good: give priority to ensuring real-time video

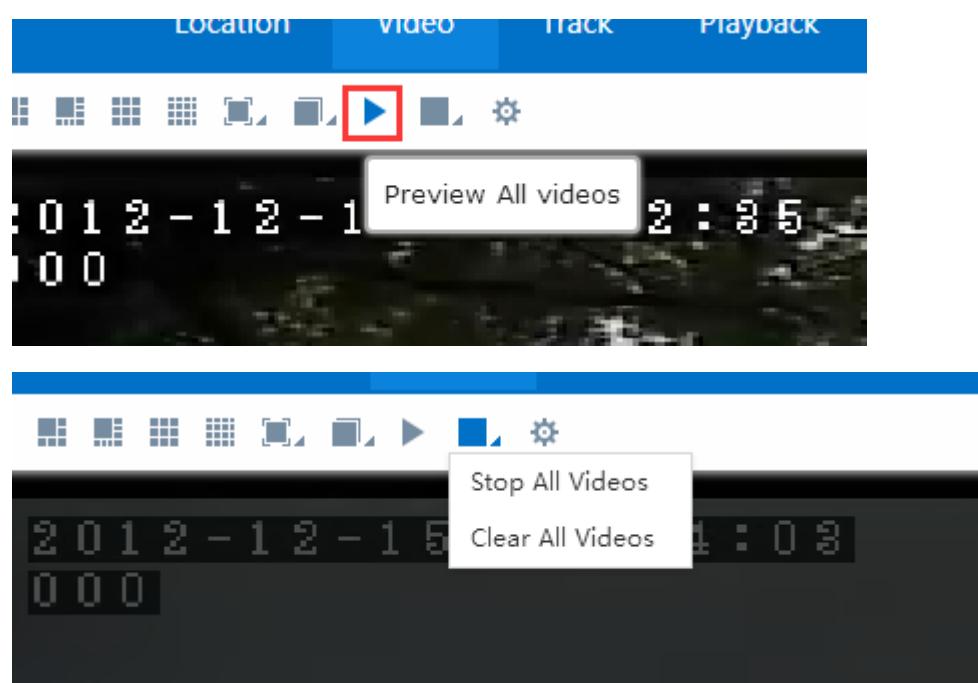
Real general: priority to ensure smooth video



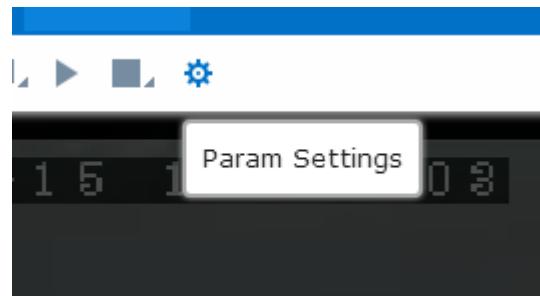
Stop all videos



Only the first opening video and stopping recording operation can open all the recording and erase all video

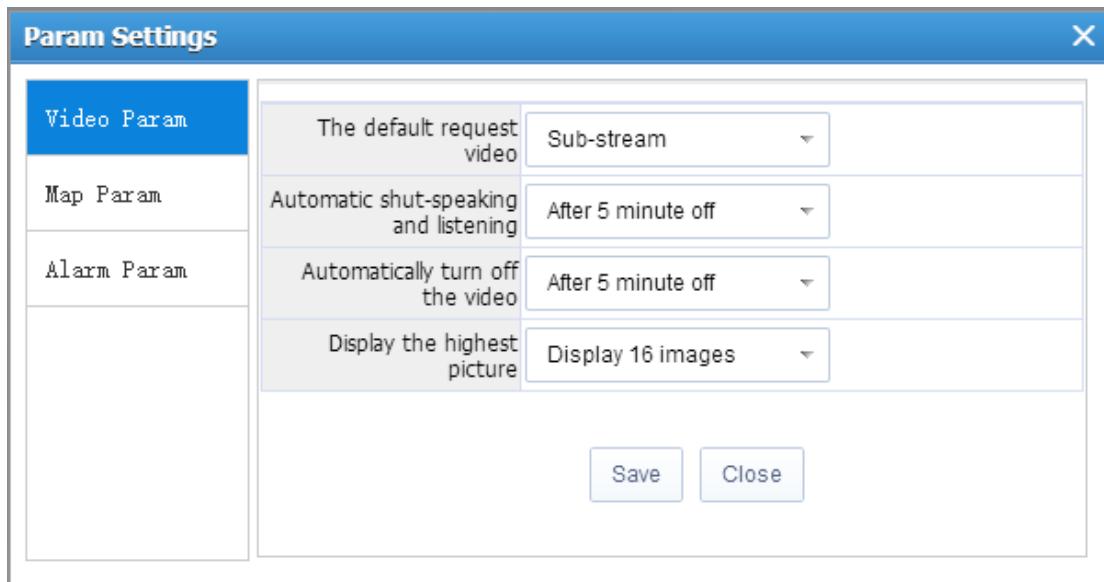


4.4.2 parameter settings



Video parameters, map parameters, alarm parameters

4.4.2.1 video parameter



(1) the default request video

"The default request video" have two selecting, sub-stream and main stream when video request which way of stream to play.

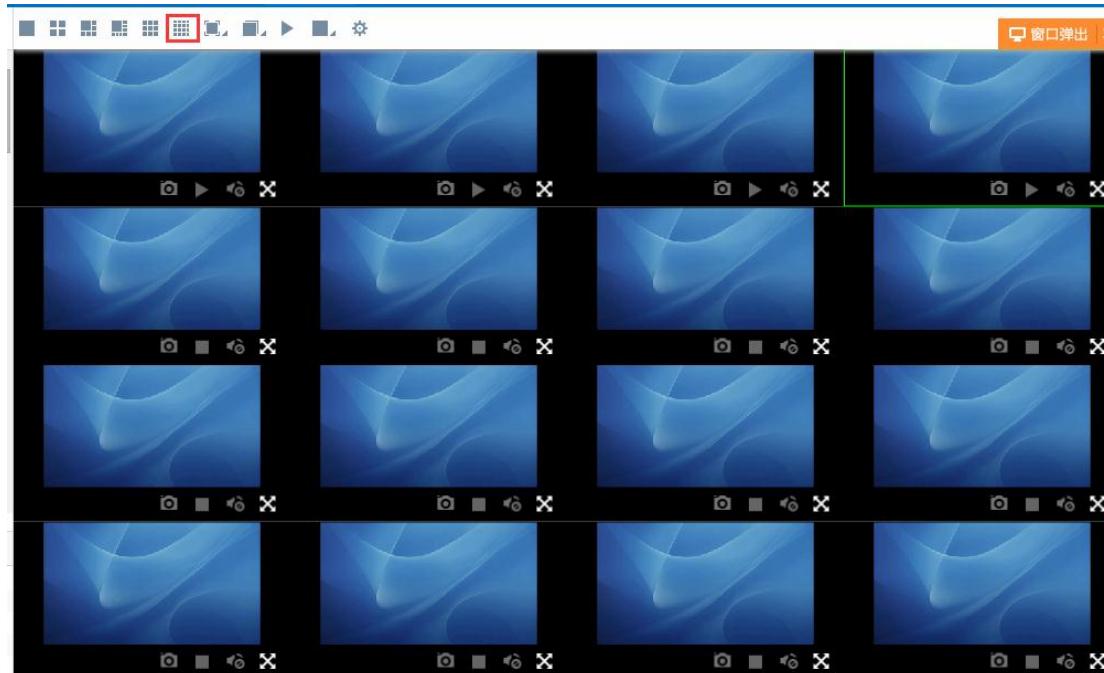
(2) Automatic shut-speaking and listening

Setting the time of intercom and monitor, if it is overtime, it will automatic shut-speaking and listening, and automatic shut-video.

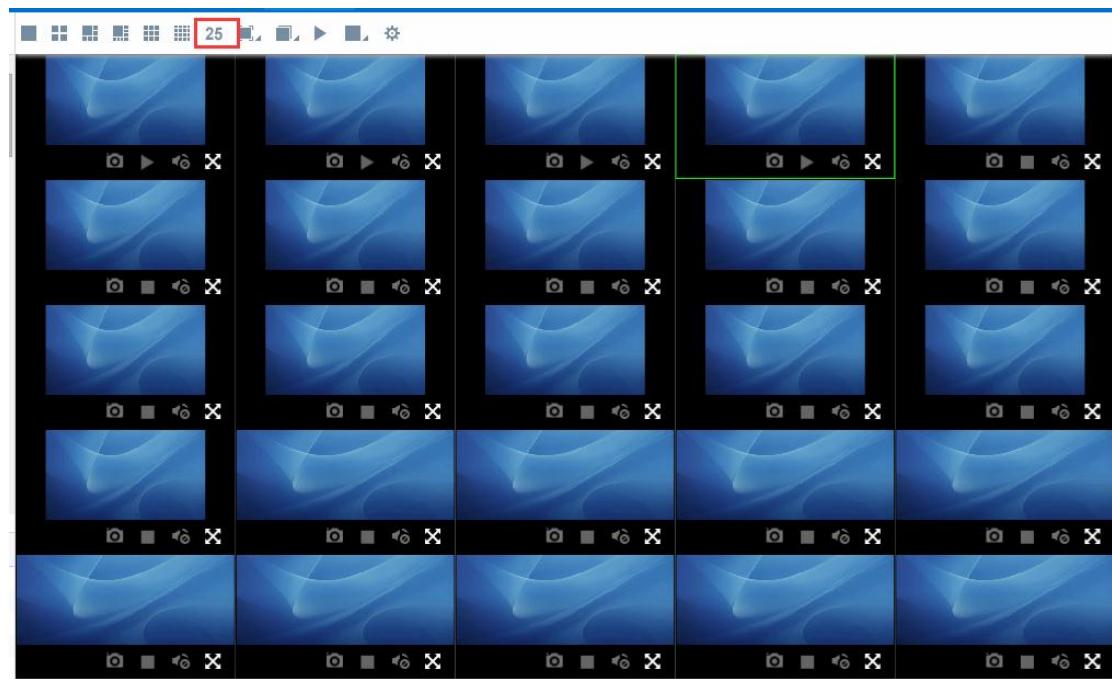
Setting the time of playing video, If it is overtime , it will automatic shut-video.

(3) display the highest picture(display the most windows)

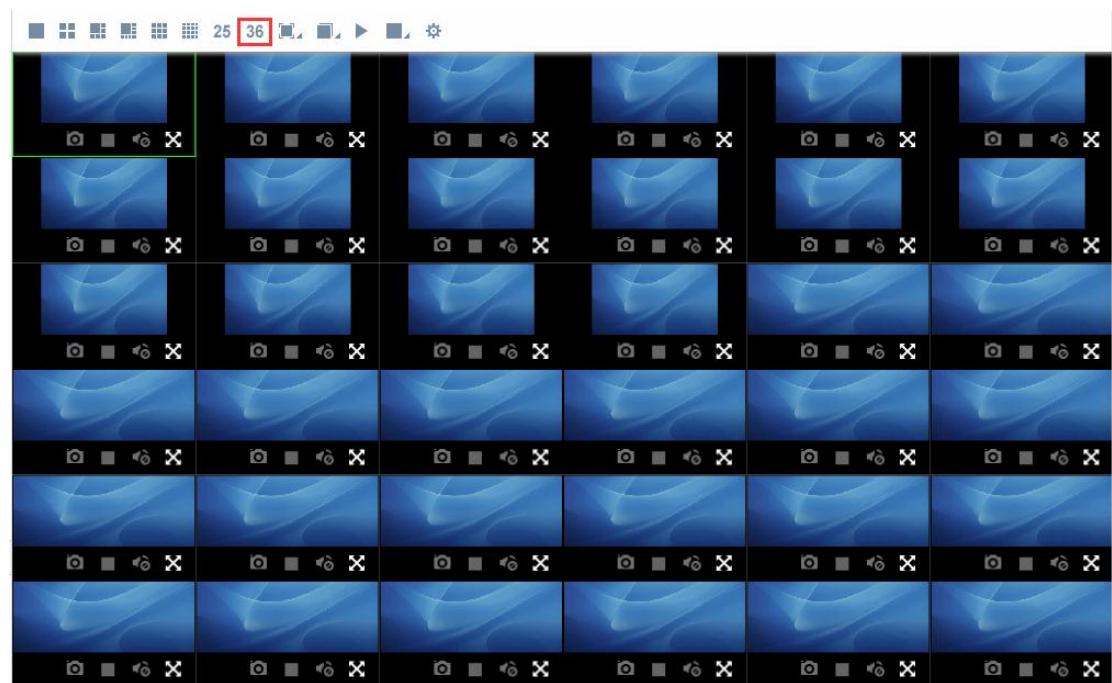
display 16 windows



display 25 windows



Display 36 windows



4.4.2.2 map parameter

GPS refresh interval, Polymerization marker

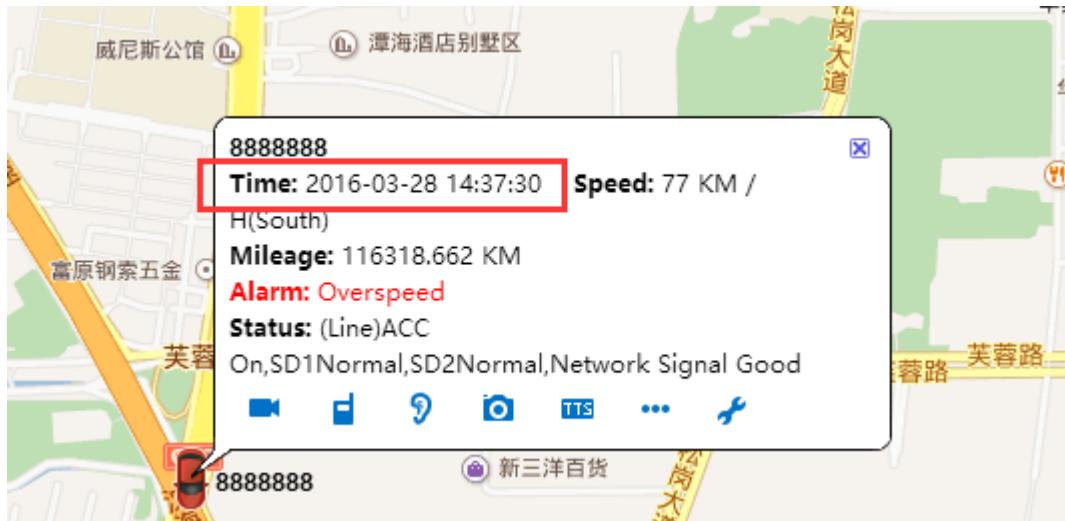
Param Settings

Video Param	GPS refresh interval 10s
Map Param	Enable Marker Cluster <input type="radio"/> Yes <input checked="" type="radio"/> No
Alarm Param	Max Cluster Zoom 200m
	Min Cluster Size 2 (2-999)

[Save](#) [Close](#)

(1) GPS refresh interval

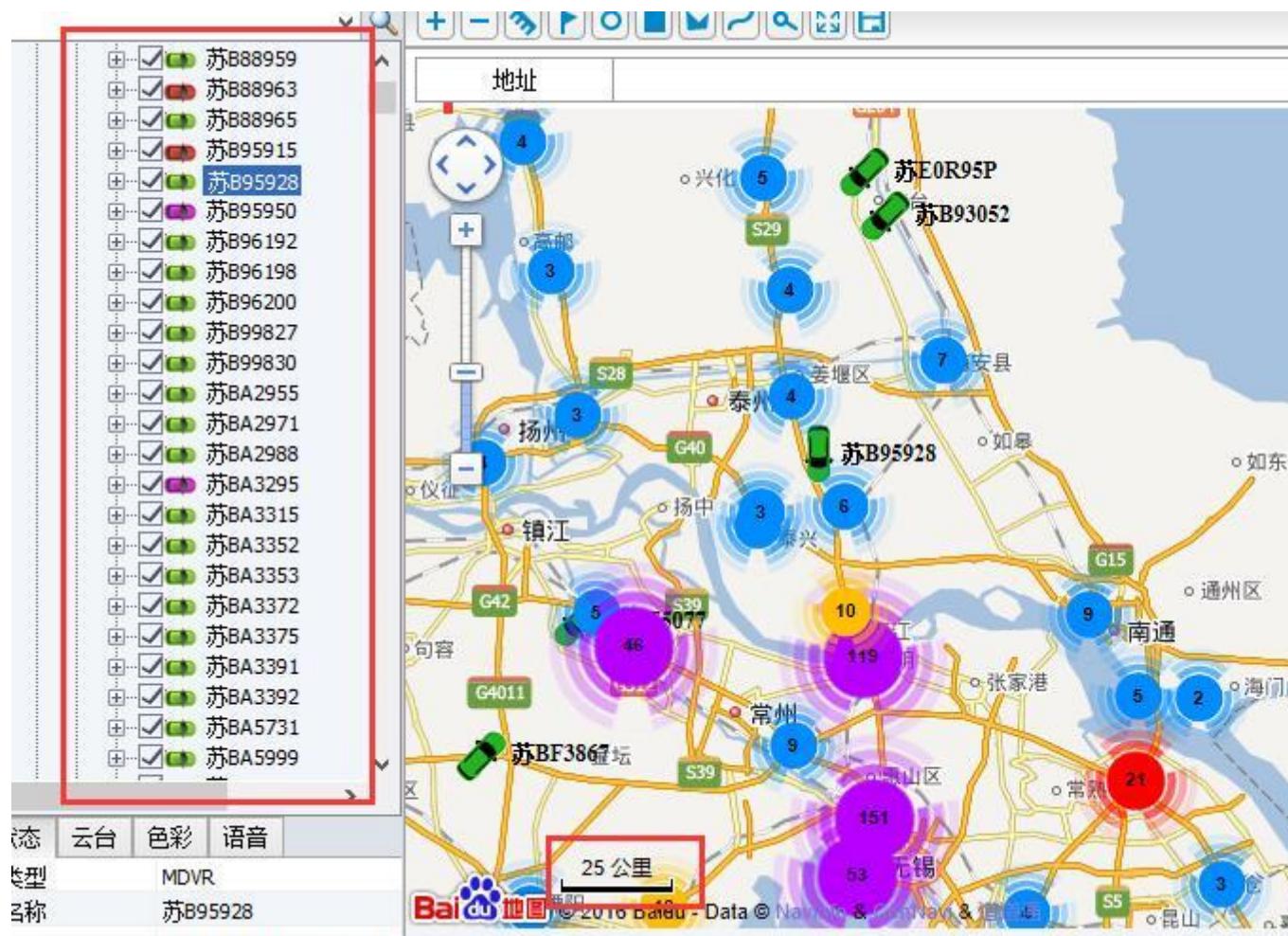
"GPS refresh interval" us used to set GPS refresh interval time.



(2) Polymerization marker

When you enable marker polymerization: When the maximum level of aggregation for the 200 meters, the minimum number set to 2, as shown below figure

(Because too many vehicles cause the map to refresh, however, so the synthesis of a vehicle close point)



4.4.2.3 alarm parameter

Param Settings

Video Param	Alarm refresh interval	10s
Map Param		
Alarm Param	Save	Close

“alarm refresh interval” is used to setting the time of refreshing alarms.

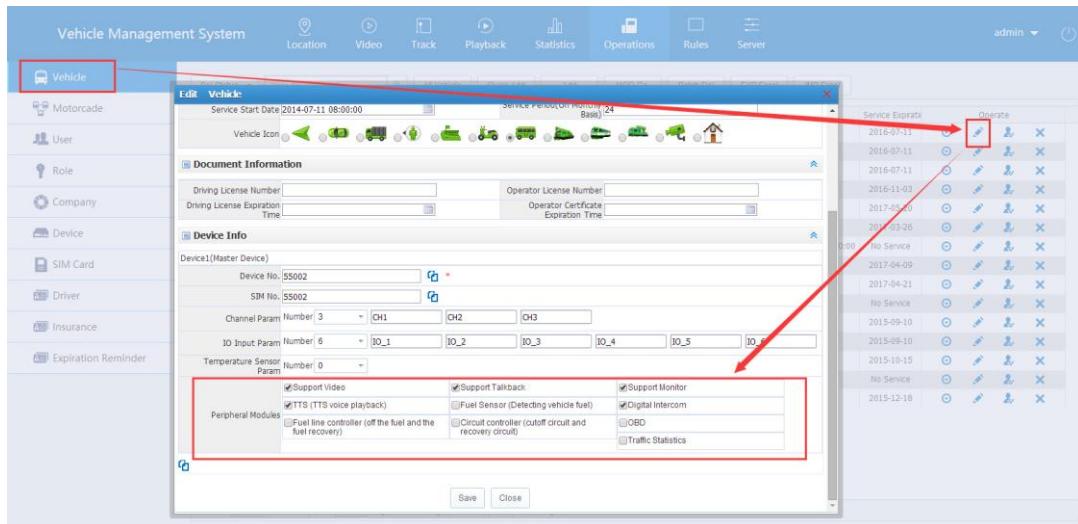
		clear	View	Alarm Info						Starting Position	End Position
Operate	Plate No.	Alarm Sum	Latest Alarm	Start Time	End Time	Alarm Info					
●	● MW2642	1	GPS Signal Loss Alarm End	2016-03-28 14:54:24	2016-03-28 14:54:44					24.064903,115.465366	24.067621,115.459148
●	● MU1489	3	GPS Signal Loss Alarm End	2016-03-28 14:55:18	2016-03-28 14:55:48					22.404235,113.347775	22.412654,113.345443
●	● VV0571	1	GPS Signal Loss Alarm End	2016-03-28 14:53:17	2016-03-28 14:53:27					23.162008,113.284863	23.162151,113.286736
●	● MW4285	6	GPS Signal Loss Alarm Start	2016-03-28 14:57:50						24.149258,115.717683	
●	● UV0587	2	Device OFL	2016-03-28 14:51:25	2016-03-28 14:54:48					23.678475,116.991955	23.678475,116.991955

Storage Media Alarm:23 Online:227 Assess The Damage:300 Total:937 OL Rate:24.23% Damage Rate:32.02%

4.5 Intercom and monitor

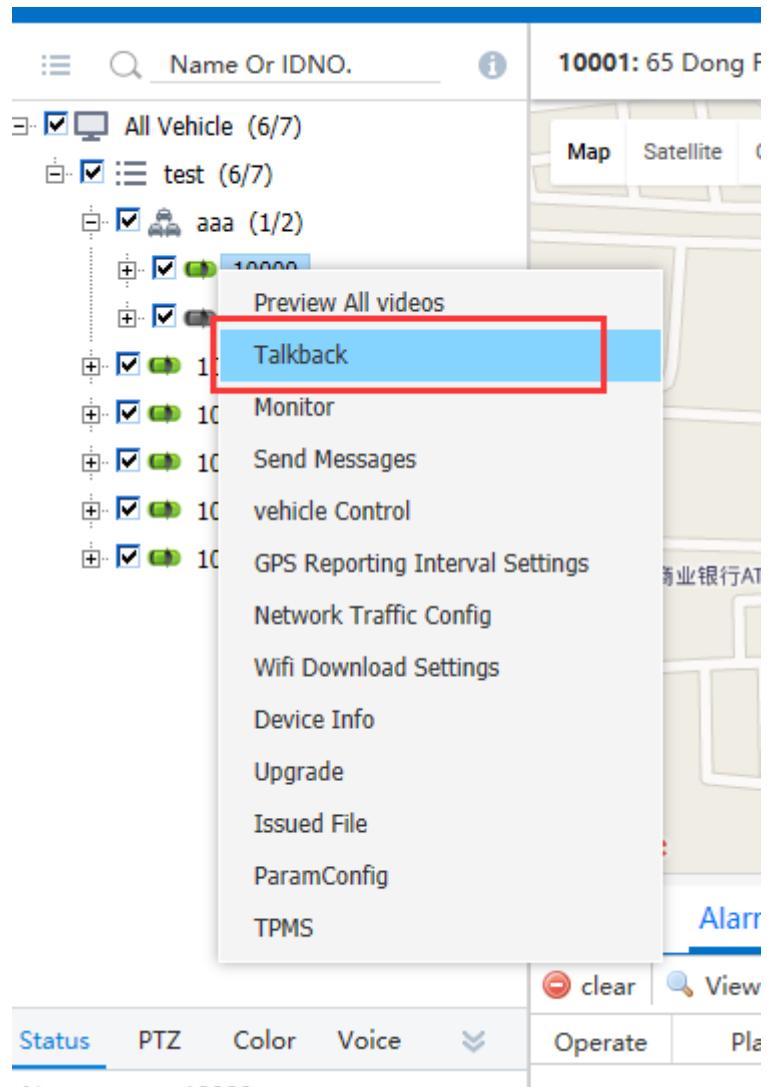
User intercom or monitor any devices in the clients.

But the prerequisites to the devices have the intercom’s terminal, and the function should be checked in the software. You can setting by the way: Vehicles » peripheral modules» check the modules.

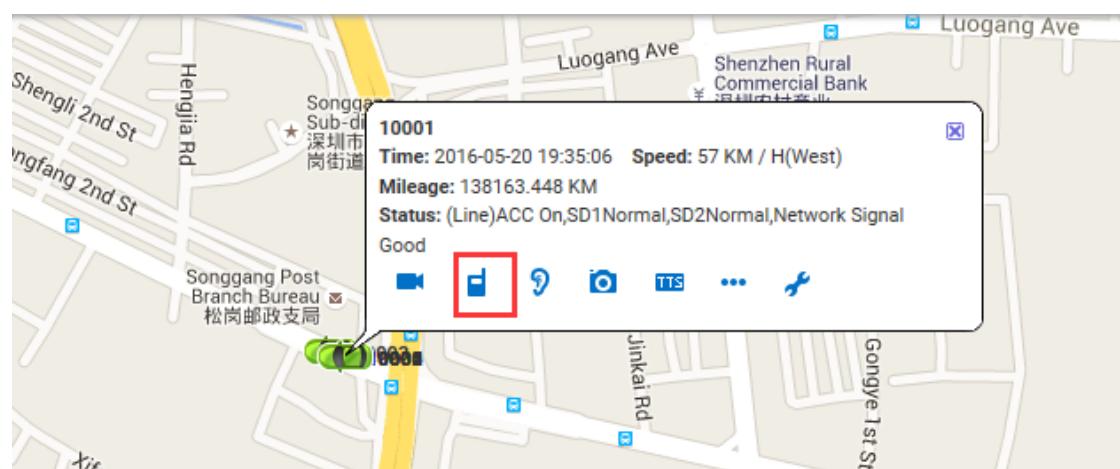


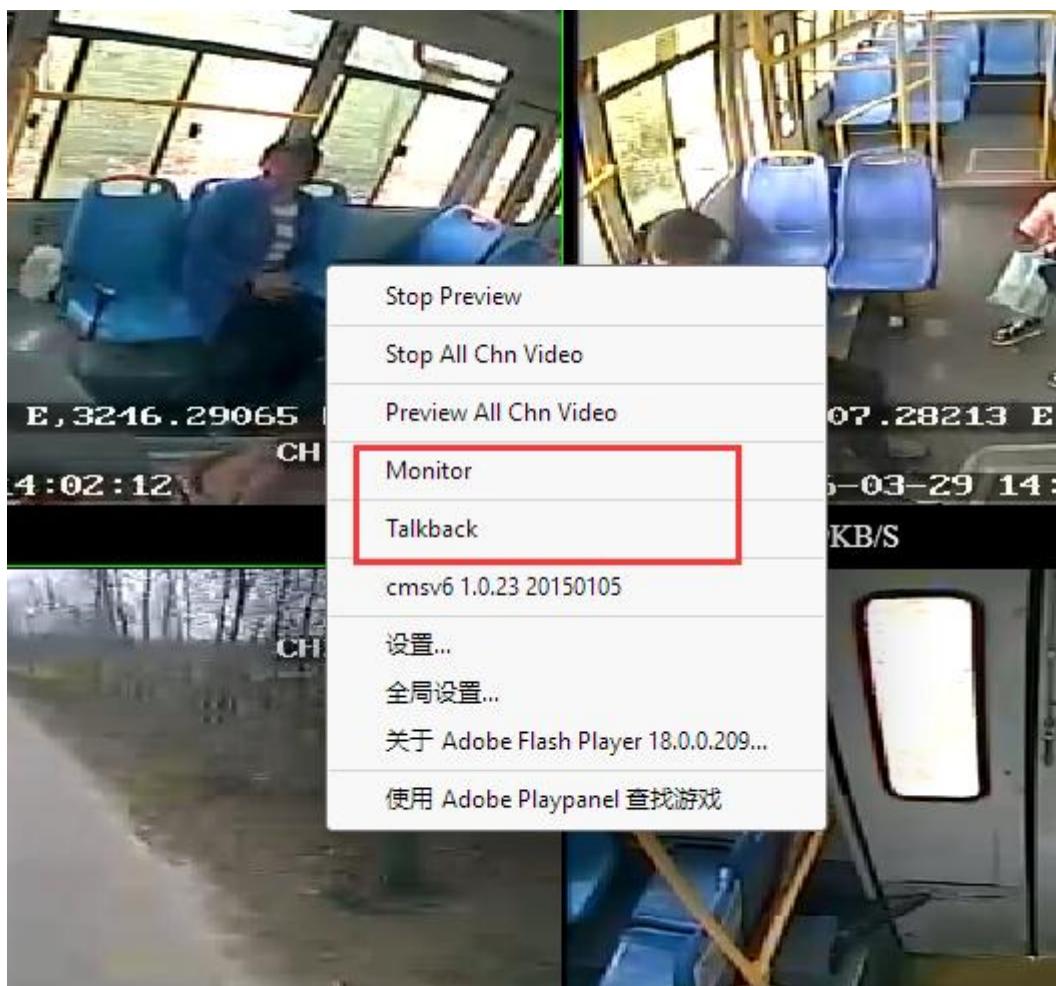
4.5.1 talk back

A. If you want to talk back, you should select the channel of the device which you want to , then right-click and choose “talkback” function.

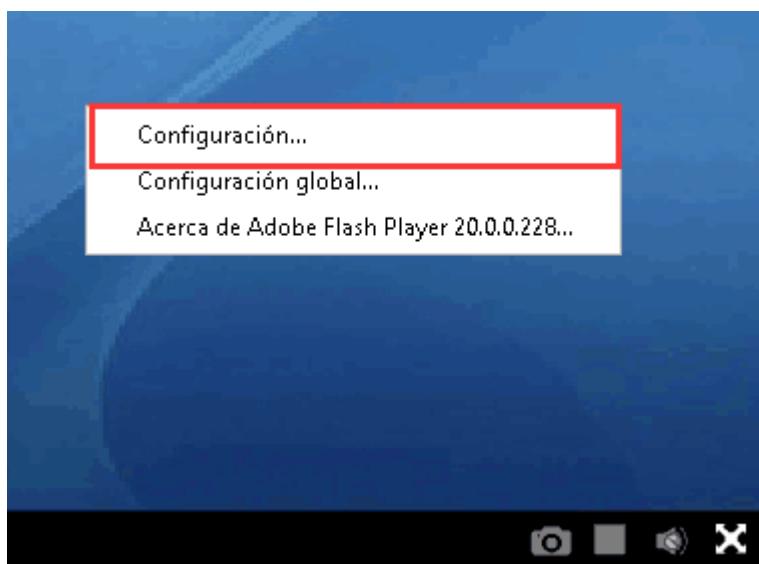


B. The another ways to talk back are chick the intercom icon in the video by right-click and in the map of the vehicle's information.





If the browser is not set up intercom, you need to set the intercom, click on the video window



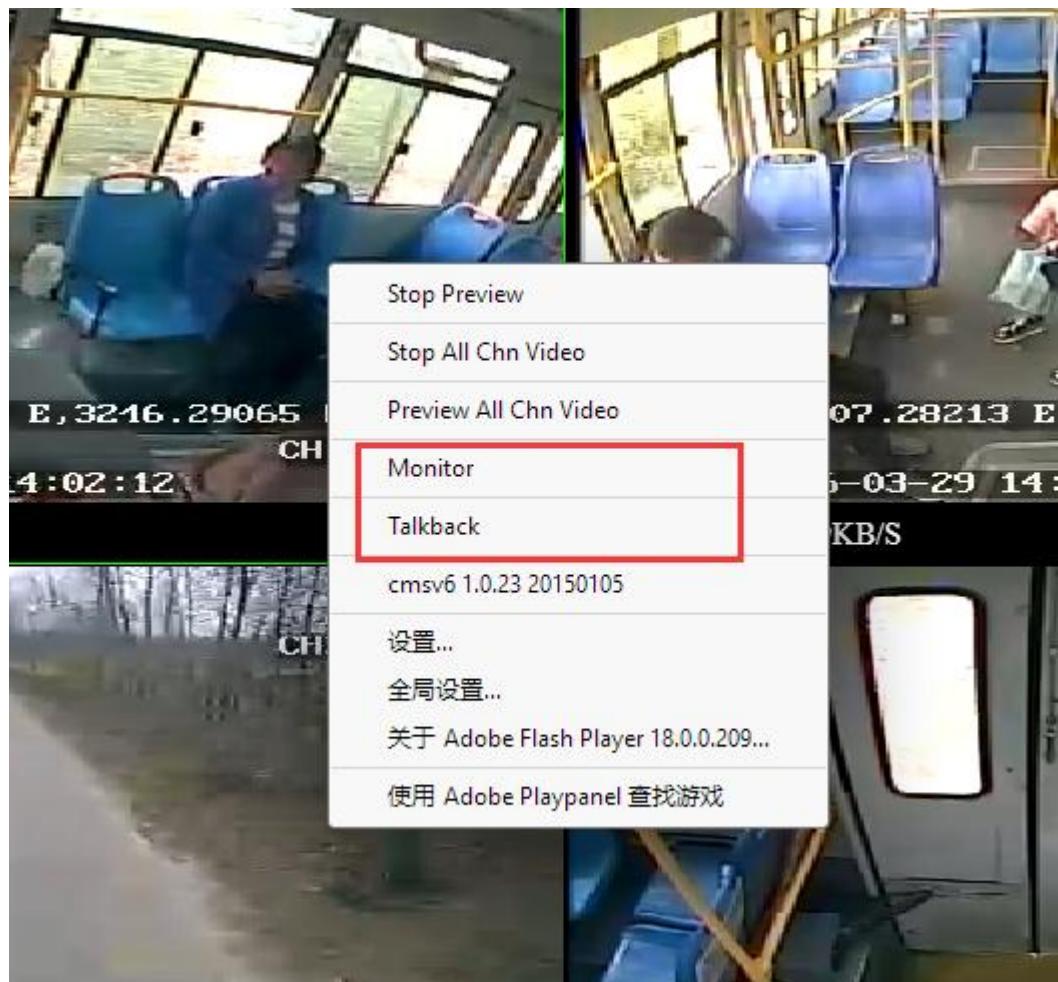


4.5.2 monitor

A. Selecting the device which was monitor, right-click, choose the “monitor” menu.

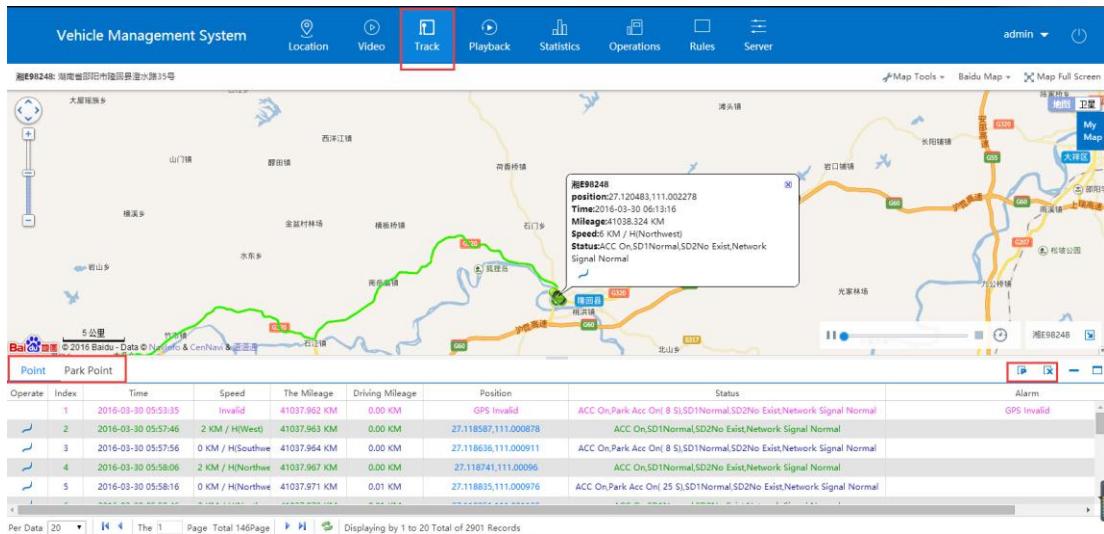
Status	PTZ	Color	Voice	▼
Name	10000			
Device ID	10000			
Company	test			
Motorcade	aaa			
Status	Line			
GPS Time	2016-05-20 19:34:21			
Position	22.765067,113.84484			
Speed	31 KM / H(South)			

B. Opening the video, right-click, select the menu of “monitor”, or monitor from map which In the information of vehicle. (supra section 11.11)



4.6 track playback

The track would show in the map by green line if you search it by special condition, meanwhile, the tracking point and parking point are shown on the under information bar, and you also export the data of track. Shown as below figure.



Distance: every select a distance to upload GPS data, if it is 0, that is, every 10 seconds to upload a GPS data

Parking time:

0: All parking gps point of all of the search are displayed

Non-0: If continuous gps parking spots, you just pass a final stopping point gps data to the display platform

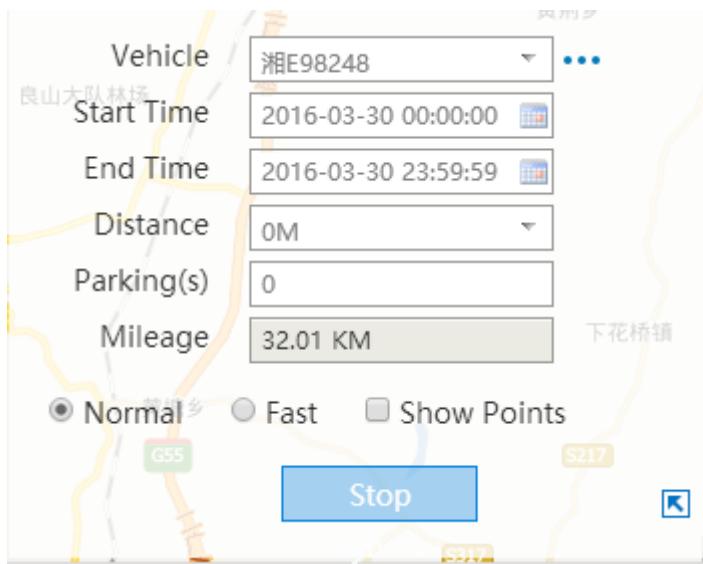
Mileage: day of the current vehicle's total mileage

Speed: The speed control track playback

Local:

- Line: the white line change to blue line, representing the trajectory data download progress
- Drag the button: the track playback progress

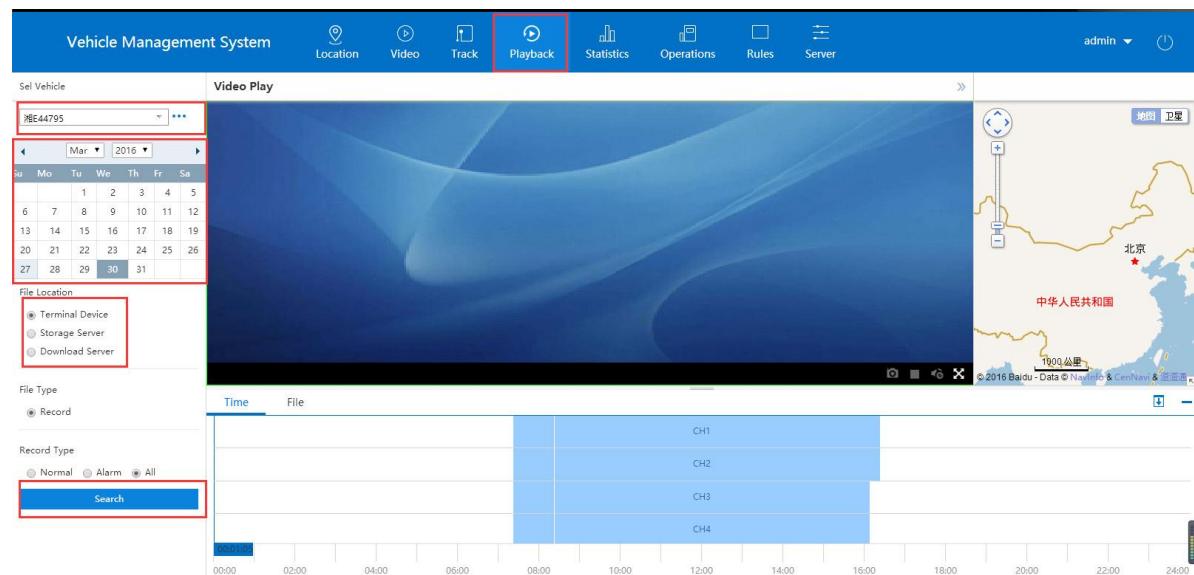




4.7 video playback

4.7.1 video search

Click on “playback” select the device and time , then search



Terminal device: Search SD card or hard disk recording files

Storage server: Device configuration storage plan, to search the recorded video files stored on the server

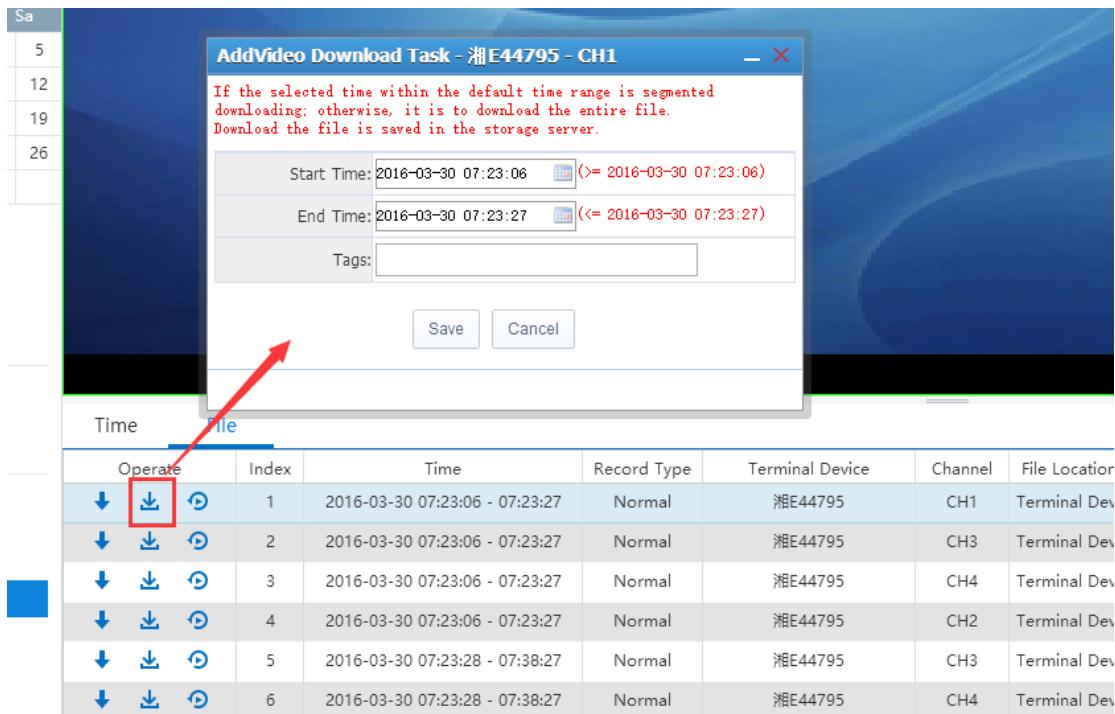
Download server: search the files on the download server

record type

There are three kind of record: normal(normal video), alarm(alarm video), all (all of the video)

4.7.2 video playback

If you search the video, the video files information will be listed in the below, figure as follow:



Icons introduction



Download files



Download a section of the files(if the files is too big)



Video playback

4.7.3 View Download Task

The screenshot shows the 'Video Download Task' window. At the top, there are filters for 'File Start Time' (2016-03-30 00:00:00), 'File End Time' (2016-03-30 23:59:59), and 'Download Status' (All). Below these are dropdowns for 'Idno' (Sel Vehicle) and 'Tags' (Please enter a tag), with a 'Query' button. The main area has tabs for 'Operate', 'Index', 'Plate No.', 'Submit Time', 'File Start Time', 'File End Time', and 'Download Start Time'. A table lists download details for three files:

Index	Submit Time	File Start Time	File End Time	Download Start Time			
3	2016-03-30 07:23:06 - 07:23:27	Normal	湘E44795	CH4	Terminal Devic	0.20MB	/sd/2016-03-30/W/20160330-072306P3N1F0.avi
4	2016-03-30 07:23:06 - 07:23:27	Normal	湘E44795	CH2	Terminal Devic	0.95MB	/sd/2016-03-30/W/20160330-072306P3N2F0.avi
5	2016-03-30 07:23:28 - 07:38:27	Normal	湘E44795	CH3	Terminal Devic	34.15MB	/sd/2016-03-30/W/20160330-072328P3N3F0.avi

4.8 Statistics Report

o

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..

4.8.1 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.

The screenshot shows the 'Vehicle Management System' interface with a blue header bar containing icons for Location, Video, Track, Playback, Statistics, Operations, Rules, and Server. The 'Statistics' tab is active. On the left, a sidebar lists various reports: Driving Behavior 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, and Passenger Statistics RPT. The 'Traveling Track Detail RPT' report is selected. The main content area displays a 'Traveling Track Detail RPT' form with fields for 'Sel Time' (Today), 'Start Time' (2016-03-30 00:00:00), 'End Time' (2016-03-30 23:59:59), 'Vehicle' (湘E46761), 'Spacing' (0M), 'Time Interval' (0Seconds), and a 'Query' button. Below this is a chart titled 'Velocity Curve(米 / s)' showing a fluctuating line graph over time. A table at the bottom lists vehicle movement details:

Index	Plate No.	Plate Color	Time	Mileage(MM)	Current Position	Speed(M / s)
1	湘E46761	Yellow Card	2016-03-30 06:00:28	43854.331	27.101871,110.811783	0.00
2	湘E46761	Yellow Card	2016-03-30 06:00:38	43854.332	27.106863,110.811195	0.00
3	湘E46761	Yellow Card	2016-03-30 06:00:48	43854.338	27.106591,110.811197	0.00
4	湘E46761	Yellow Card	2016-03-30 06:00:58	43854.338	27.106012,110.811197	0.00
5	湘E46761	Yellow Card	2016-03-30 06:01:08	43854.338	27.106012,110.811197	0.00

Export Excel, figure as below

Track Detail - 2016-03-30 00:00:00 - 2016-03-30 23:59:59						
Index	Vehicle	report.plateColor	Time	Position	Speed(KM/H)	Mileage(KM)
3	1 湘E46761	Yellow	2016-03-30 06:00:28	27.101871,110.811783	0	43854.331
4	2 湘E46761	Yellow	2016-03-30 06:00:38	27.106583,110.811165	0	43854.332
5	3 湘E46761	Yellow	2016-03-30 06:00:48	27.106591,110.811197	0	43854.332
6	4 湘E46761	Yellow	2016-03-30 06:00:58	27.106612,110.811197	0	43854.332
7	5 湘E46761	Yellow	2016-03-30 06:01:08	27.106612,110.811197	0	43854.332
8	6 湘E46761	Yellow	2016-03-30 06:01:18	27.106612,110.811197	0	43854.332
9	7 湘E46761	Yellow	2016-03-30 06:01:27	27.106612,110.811197	0	43854.332
10	8 湘E46761	Yellow	2016-03-30 06:01:28	27.106612,110.811197	0	43854.332
11	9 湘E46761	Yellow	2016-03-30 06:01:38	27.106612,110.811197	0	43854.332
12	10 湘E46761	Yellow	2016-03-30 06:05:48	27.106604,110.811181	2	43854.332
13	11 湘E46761	Yellow	2016-03-30 06:05:58	27.106673,110.811165	0	43854.341
14	12 湘E46761	Yellow	2016-03-30 06:06:08	27.106599,110.811197	6	43854.346
15	13 湘E46761	Yellow	2016-03-30 06:06:18	27.106298,110.811230	13	43854.363
16	14 湘E46761	Yellow	2016-03-30 06:06:28	27.105932,110.811425	15	43854.402
17	15 湘E46761	Yellow	2016-03-30 06:06:38	27.105570,110.811588	17	43854.443
18	16 湘E46761	Yellow	2016-03-30 06:06:48	27.105114,110.811881	21	43854.497
19	17 湘E46761	Yellow	2016-03-30 06:06:58	27.104744,110.812207	20	43854.549
20	18 湘E46761	Yellow	2016-03-30 06:07:08	27.104195,110.812109	26	43854.61
21	19 湘E46761	Yellow	2016-03-30 06:07:18	27.103519,110.811832	28	43854.689
22	20 湘E46761	Yellow	2016-03-30 06:07:28	27.102888,110.811783	25	43854.759
23	21 湘E46761	Yellow	2016-03-30 06:07:38	27.102351,110.811897	19	43854.823
24	22 湘E46761	Yellow	2016-03-30 06:07:48	27.102152,110.811425	27	43854.88
25	23 湘E46761	Yellow	2016-03-30 06:07:58	27.102075,110.810563	32	43854.964
26	24 湘E46761	Yellow	2016-03-30 06:08:08	27.101969,110.809570	37	43855.061
27	25 湘E46761	Yellow	2016-03-30 06:08:18	27.101534,110.808642	38	43855.165
28	26 湘E46761	Yellow	2016-03-30 06:08:28	27.100915,110.807698	43	43855.276
29	27 湘E46761	Yellow	2016-03-30 06:08:38	27.100154,110.806787	47	43855.4
30	28 湘E46761	Yellow	2016-03-30 06:08:48	27.099202,110.805940	49	43855.533
31	29 湘E46761	Yellow	2016-03-30 06:08:58	27.098274,110.804996	49	43855.673
32	30 湘E46761	Yellow	2016-03-30 06:09:08	27.097408,110.804020	47	43855.809
33	31 湘E46761	Yellow	2016-03-30 06:09:18	27.096667,110.802945	49	43855.94
34	32 湘E46761	Yellow	2016-03-30 06:09:28	27.095853,110.801839	52	43856.082
35	33 湘E46761	Yellow	2016-03-30 06:09:38	27.094763,110.800944	55	43856.232
36	34 湘E46761	Yellow	2016-03-30 06:09:48	27.093676,110.800130	52	43856.382

4.8.2 OL and OFL RPT

OL and OFL RPT: the devices upload 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, Company' s Day-line Rate RPT

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

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

4.8.3 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.

Alarm query: as shown in FIG.

4.8.4 Other RPT

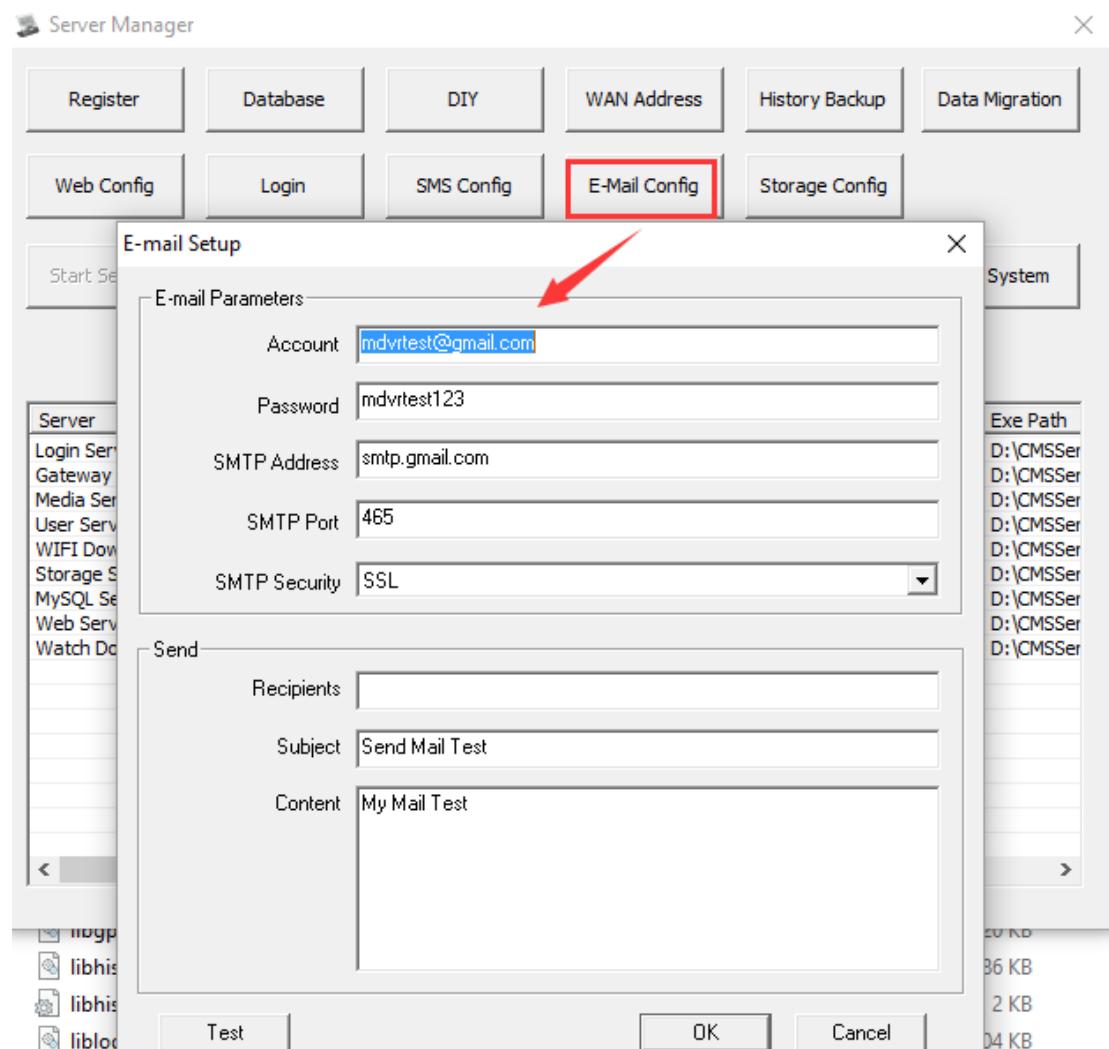
Other reports will be analysis by the specific features.

4.9 Rule management

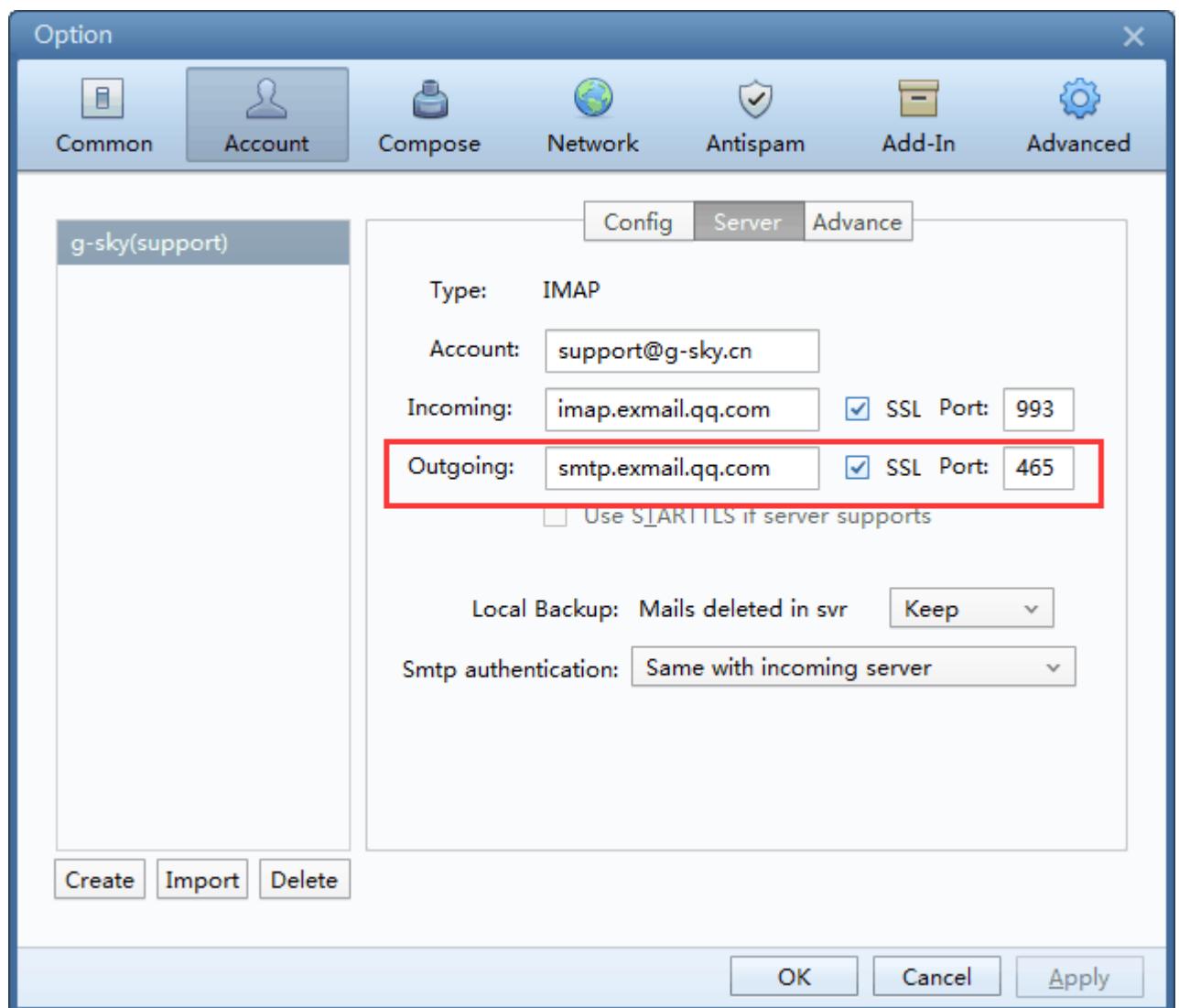
Rules Manager is according to the customer who require the rules which can limits of authority for vehicles and users. And the sever will analysis the data upload from devices and judge it compliance with its rules, if not, it will alarm. It is a flexible management tool

4.9.1 E-mail or Messages configuration in server

4.9.1.1 E-mail configuration



The form of filling in the server of CMSServrV6 is as the same as filling in the Email server.

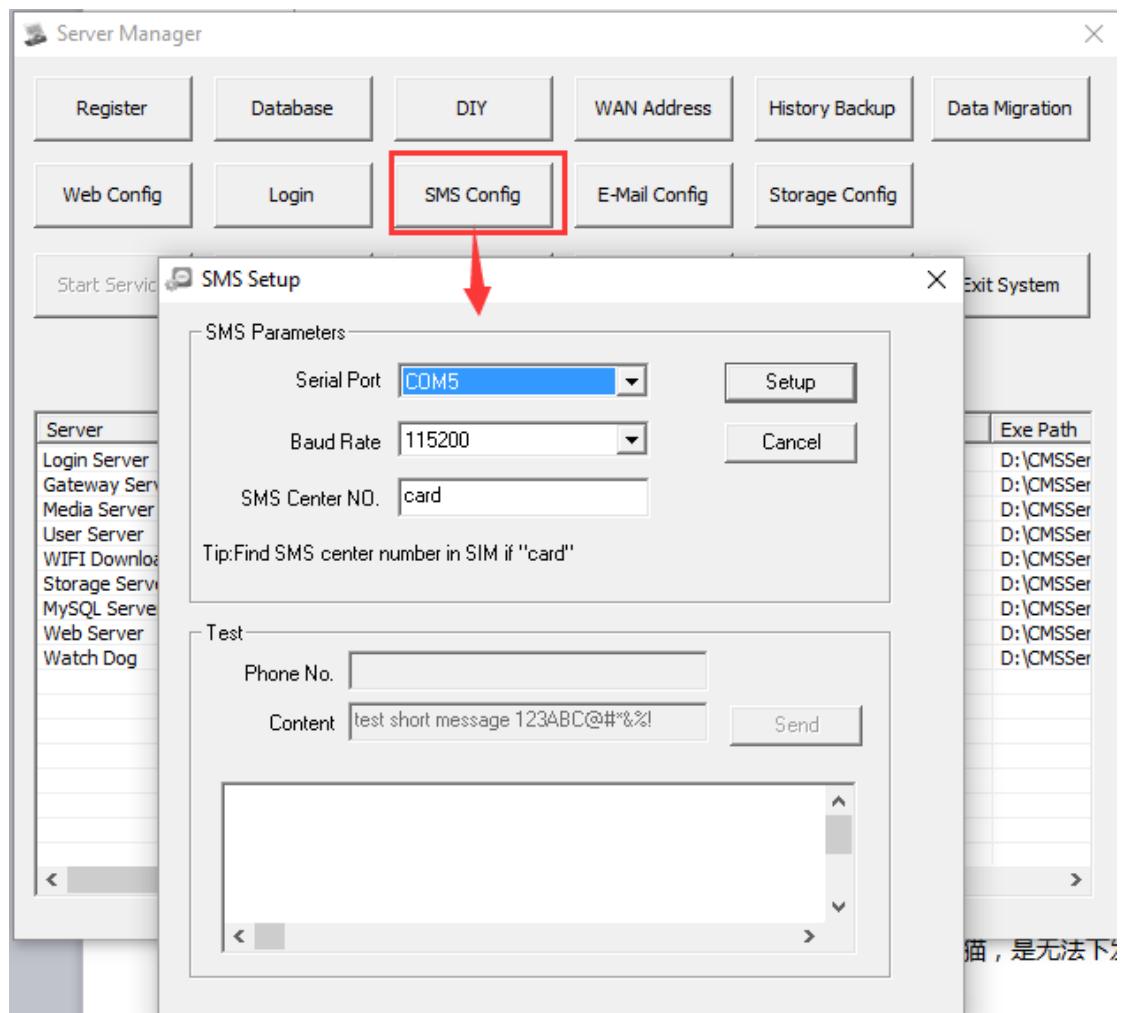


E-mail configuration:

Account and password are the same as sending email.

Note: The use of overseas customers(not in china, not include Hong Kong), you can not use the default e-mail, you need to fill out an application at a local mailbox and the mailbox password, and then restart the gateway server.

4.9.1.2 SMS configuration



If you want to send message in the sever, you should add the SMS model to the server hardware and set up serial driver and setup the port, click on “setup” .

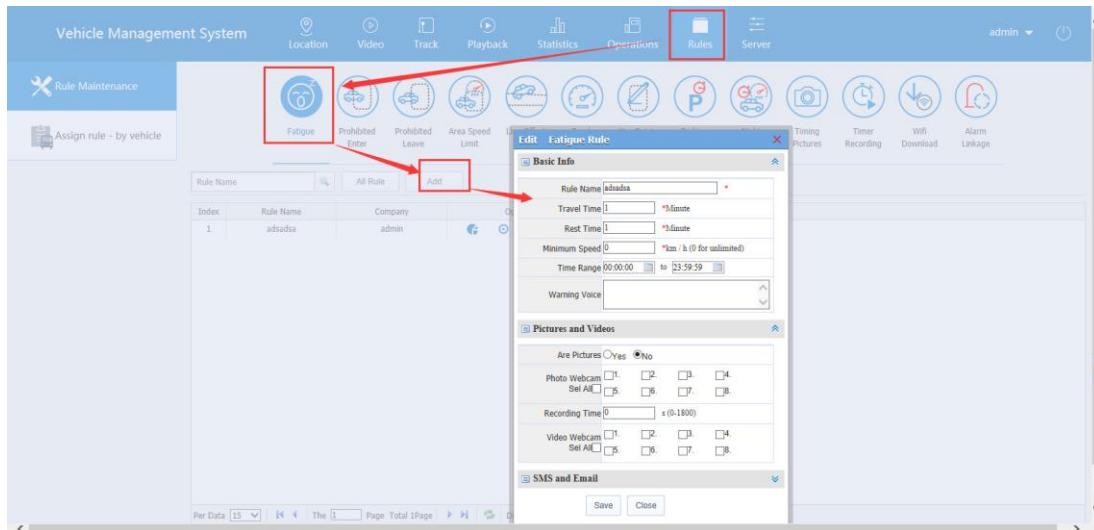
If you don't add SMS model hardware, you can send message in the server.

4.9.2 Fatigue Rules

Fatigue rules are the rules which ensure drivers safety.

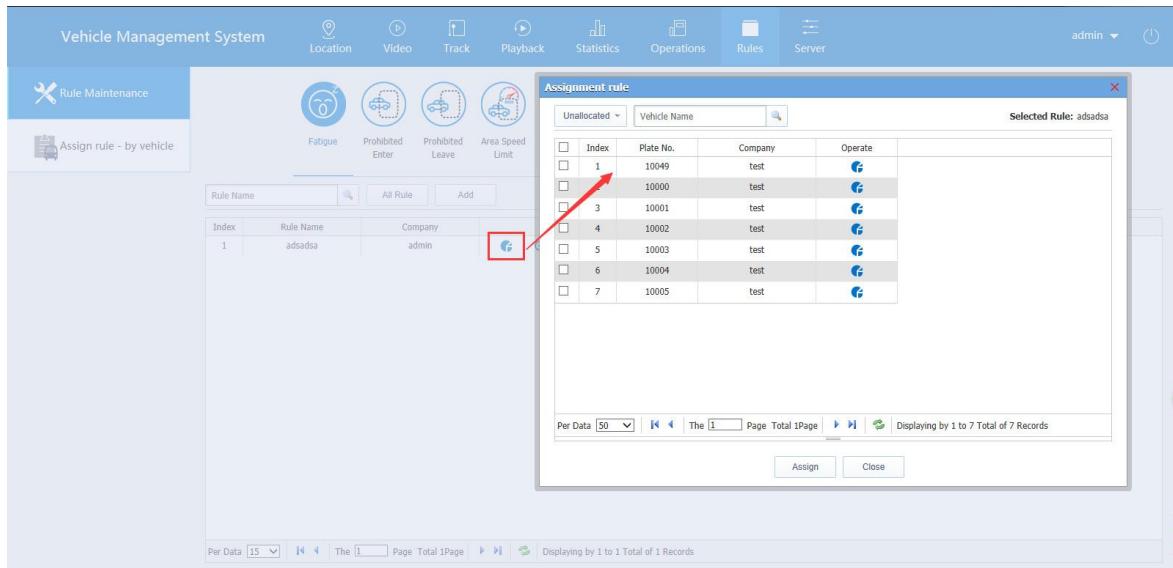
4.9.2.1 Setting rules

If you need to configure e-mail and text messaging, the first parameter configured directory 4.9.1



4.9.2.2 assignment rule

Select the rule which you went to assign to the vehicles, and click on the assignment icon, Assign the vehicles which haven't assigned to the rules.



4.9.2.3 Unassigned vehicle from a rule

Assignment rule

Assigned	Vehicle Name	Selected	
Index	Plate No.	Company	Operate
1	90735	ttxtest	

Per Data 50 | The 1 Page Total 1Page | Displaying by 1 to 1 Total of 1 Records

Unassign Close

4.9.2.4 Alarm query RPT

Alarm Query RPT

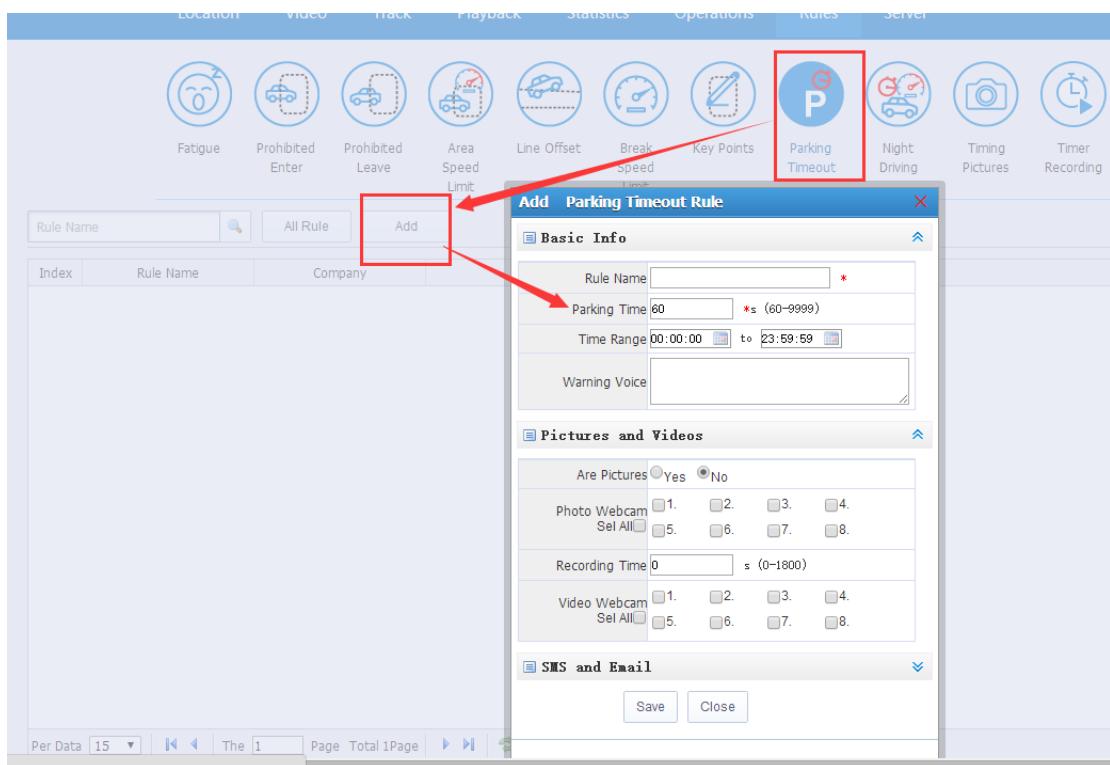
Sal Time:	Start Time:	End Time:	Query	EXF File Format						
Vehicle:	Alarm Type:	Handle Status:								
Custom Time	2016-03-30 00:00:00	2016-03-30 23:59:59	Query	EXF File Format						
SelVehicle	Fatigue Driving (platform)	All								
Index	Plate No.	Plate Color	Alarm Type	Alarm Source	Start Time	End Time	Alarm Duration	Start Speed(KM / H)	End Speed(KM / H)	Starting Position

4.9.3 parking timeout rule

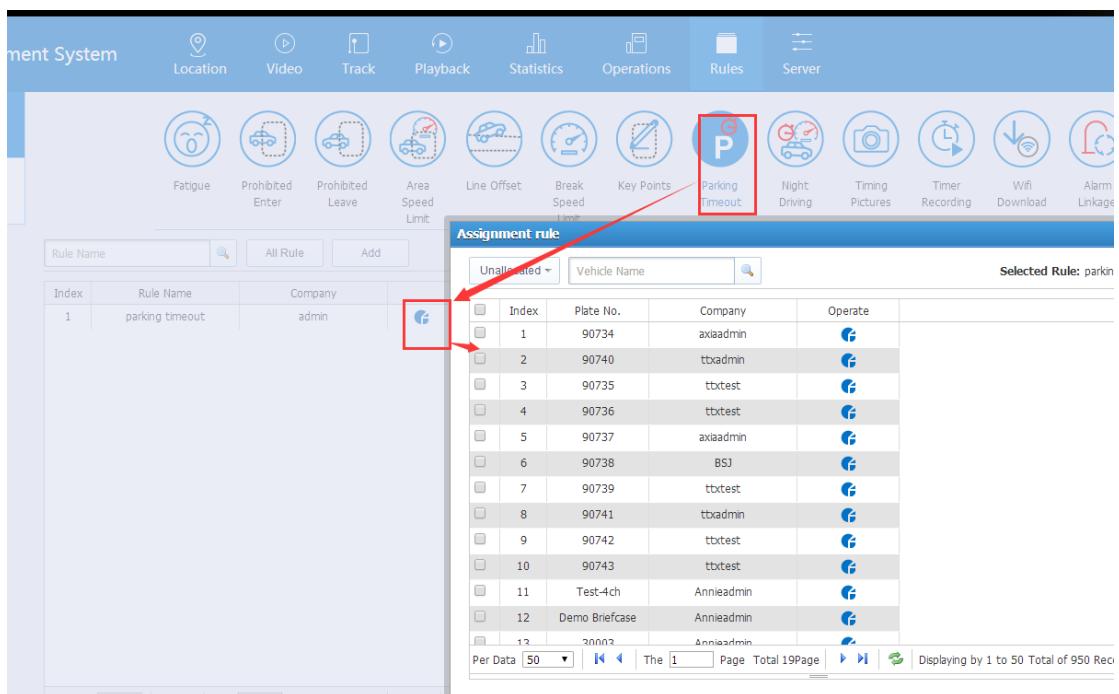
There are two kind of timeout parking: one is the parting timeout come from the terminal , anther come from the CMS software.

The parting rules come from CMS software as the follow

4.9.3.1 add rules



4.9.3.2 assign rules



4.9.3.3 Statistics on the query report

Parking Detail RPT

Index	Plate No.	Plate Color	Type	Start Time	End Time	Duration	Parking Position
1	444124	Yellow Card	Idle	2016-03-30 00:30:47	2016-03-30 00:43:49	13 M 2 S	34.722041,111.566829
2	67001	Blue Card	Idle	2016-03-30 00:36:19	2016-03-30 00:54:42	18 M 23 S	7.041601,125.527669
3	444125	Yellow Card	Idle	2016-03-30 00:43:02	2016-03-30 01:27:13	44 M 11 S	36.118216,116.181542
4	444123	Yellow Card	Idle	2016-03-30 01:17:04	2016-03-30 01:23:10	6 M 6 S	37.193786,118.213948
5	444123	Yellow Card	Idle	2016-03-30 02:17:41	2016-03-30 03:54:33	1 H 36 M 52 S	37.193428,118.228173
6	444125	Yellow Card	Idle	2016-03-30 02:34:18	2016-03-30 02:51:39	17 M 21 S	36.119765,116.199056
7	黑JU5679	Yellow Card	Idle	2016-03-30 03:43:45	2016-03-30 05:58:16	2 H 14 M 31 S	34.779405,115.642205
8	444124	Yellow Card	Idle	2016-03-30 03:50:16	2016-03-30 05:29:24	1 H 39 M 8 S	34.707690,112.414762
9	444125	Yellow Card	Idle	2016-03-30 03:51:34	2016-03-30 03:55:54	4 M 20 S	36.119551,116.205664
10	444123	Yellow Card	Idle	2016-03-30 04:37:45	2016-03-30 05:53:22	1 H 16 M 37 S	37.194262,118.224641
11	湘E90295	Yellow Card	Idle	2016-03-30 06:30:55	2016-03-30 06:46:29	15 M 34 S	27.066949,110.589208
12	444119	Yellow Card	Idle	2016-03-30 06:43:23	2016-03-30 06:46:15	2 M 52 S	33.117321,107.181347
13	湘E36620	Yellow Card	Idle	2016-03-30 07:09:49	2016-03-30 07:11:30	1 M 41 S	27.119986,111.002506
14	444124	Yellow Card	Idle	2016-03-30 07:10:42	2016-03-30 07:13:01	2 M 19 S	34.916284,112.819821
15	444125	Yellow Card	Idle	2016-03-30 09:57:04	2016-03-30 09:57:04	0 S	37.390995,118.073990

Per Data 15 ▾ | The 1 Page Total 2Page | ▶ | EIF File Format | Displaying by 1 to 15 Total of 25 Records

Parking rules come from CMS software.

Alarm Query RPT

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	End Position
1	444124	Yellow Card	Timeout Parking (platform)	Platform	2016-03-30 00:30:47	2016-03-30 00:43:49	13 M 2 S				

4.10 electronic rule

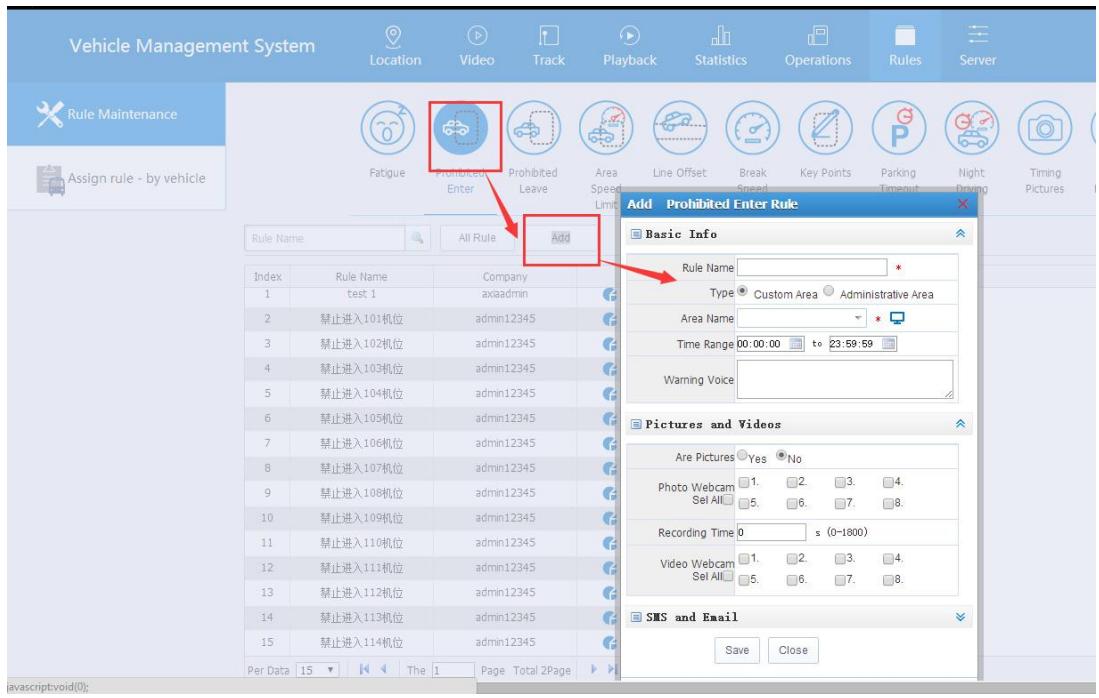
Regional electronic fence: prohibited enter, prohibited leave, area speed limited

Electronic fence line:Line offset, area speed limit

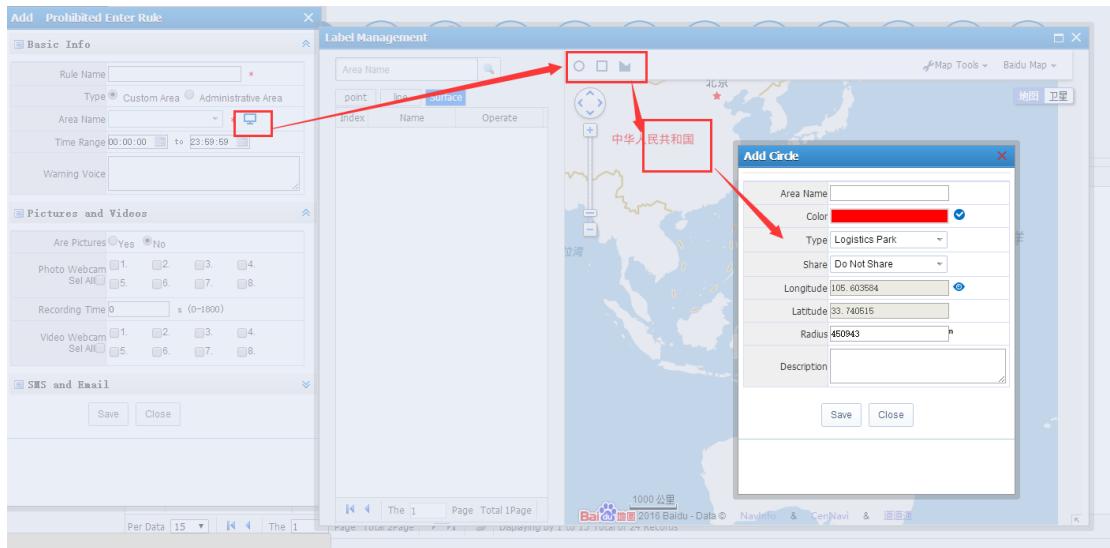
Electronic point fence: key points

4.10.1 Setting rules

If you need to configure e-mail and text messaging, the first parameter configured directory 4.9.1

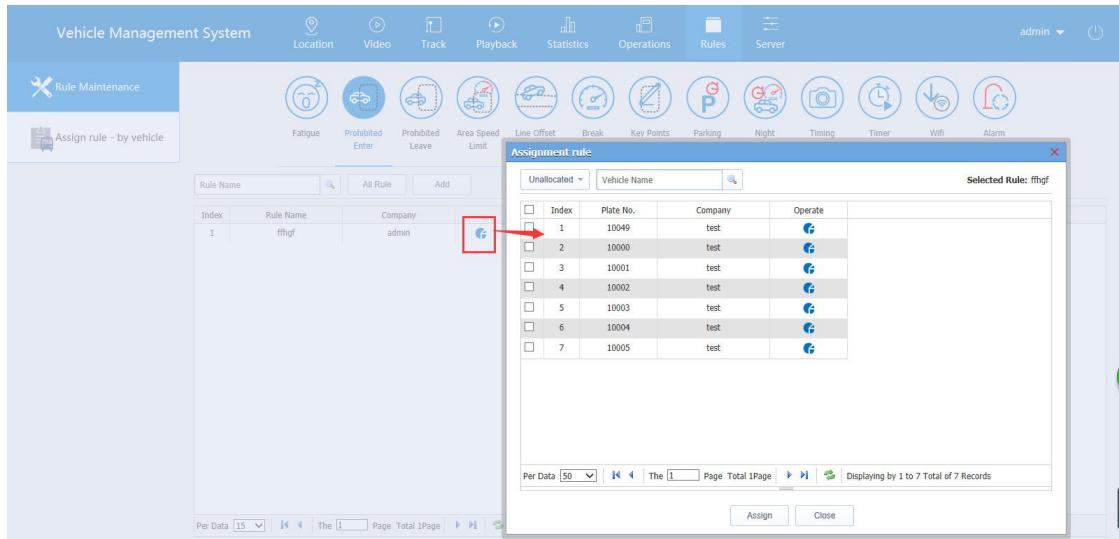


Setting and regional names



4.10.2 assignment rule

Assign the vehicle which forbidden from entering: select the rule and the open the assignment icon, assign the rules to the vehicles which haven't been assigned.



4.10.3 Unassigned vehicle from a rule

Ibid Directory 4.9.2.3

4.10.4 Report relevant reports

Reports and electronic fence alarm report can query to the relevant report

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
1	10049	test	Timeout Parking (platform)	test	2016-03-30 00:00:00	2016-03-30 23:59:59	00:00:00	00:00:00	00:00:00	00:00:00
2	10000	test	Timeout Parking (platform)	test	2016-03-30 00:00:00	2016-03-30 23:59:59	00:00:00	00:00:00	00:00:00	00:00:00
3	10001	test	Timeout Parking (platform)	test	2016-03-30 00:00:00	2016-03-30 23:59:59	00:00:00	00:00:00	00:00:00	00:00:00
4	10002	test	Timeout Parking (platform)	test	2016-03-30 00:00:00	2016-03-30 23:59:59	00:00:00	00:00:00	00:00:00	00:00:00
5	10003	test	Timeout Parking (platform)	test	2016-03-30 00:00:00	2016-03-30 23:59:59	00:00:00	00:00:00	00:00:00	00:00:00
6	10004	test	Timeout Parking (platform)	test	2016-03-30 00:00:00	2016-03-30 23:59:59	00:00:00	00:00:00	00:00:00	00:00:00
7	10005	test	Timeout Parking (platform)	test	2016-03-30 00:00:00	2016-03-30 23:59:59	00:00:00	00:00:00	00:00:00	00:00:00

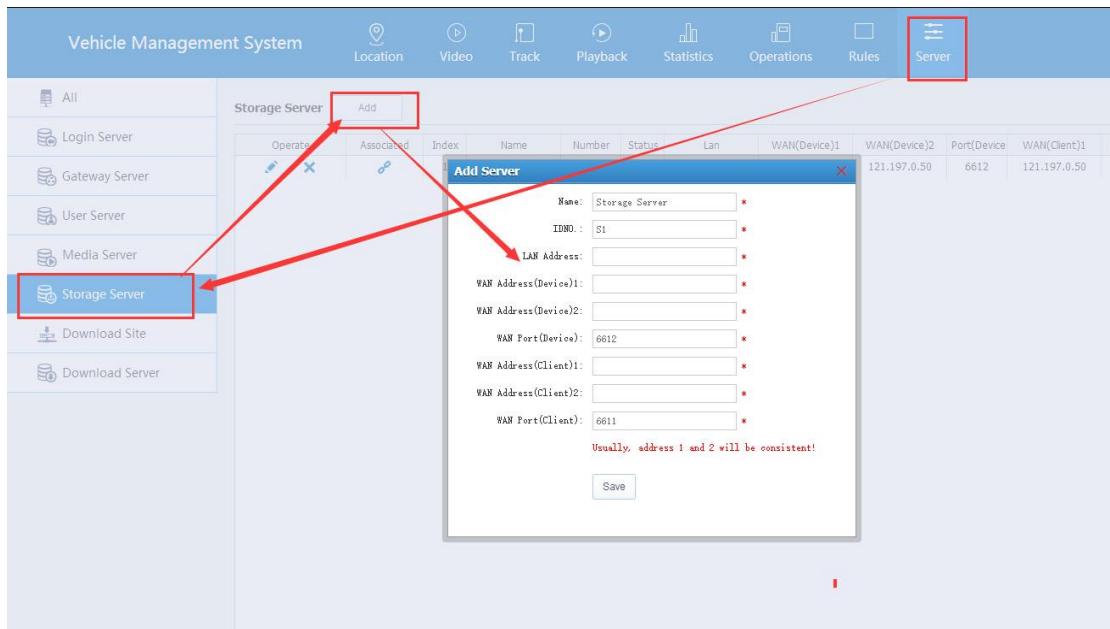
4.11 plan to capture and record video

4.11.1 Add Server add storage and related storage

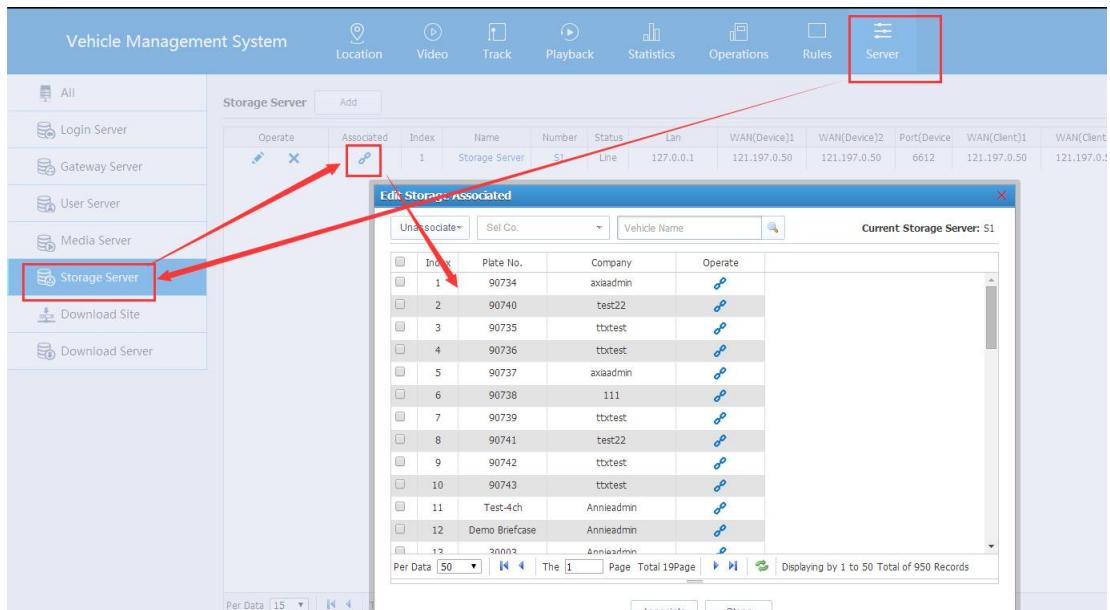
Login in web client, click on "server", add storage server, then add storage association.

Data can download in the storage automatically when it configure the storage plan. And user use the client, the data directly from the storage server. For example: the flow from capture channel in storage server is less than the real-time view . And it cut costs about the flow.

a.) Adding storage server (you shouldn't add it if it have been one,
 The number should be the same as “ the server console on the storage server
 “→ “Service configuration server”



b. Adding storage association

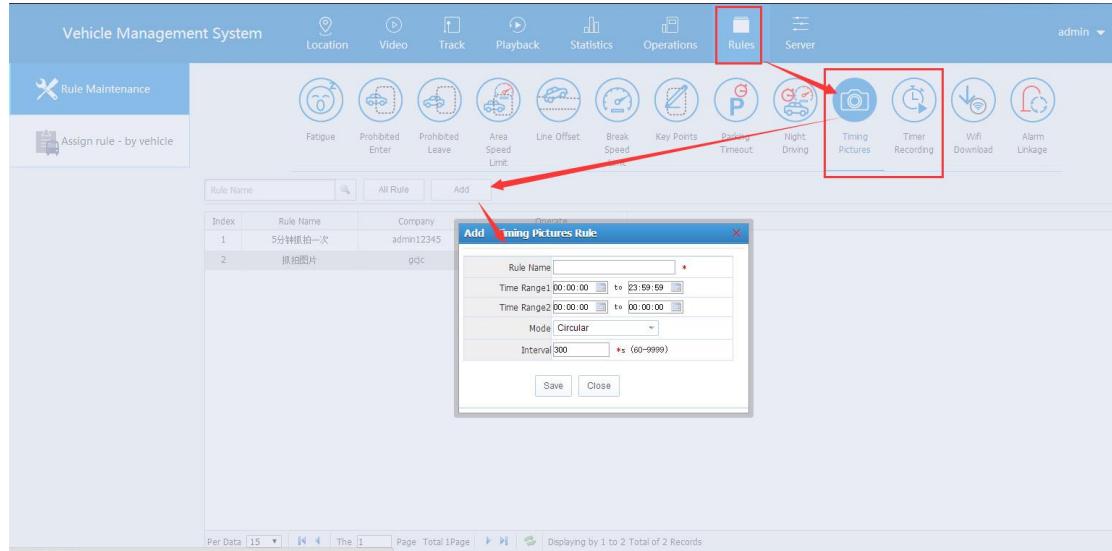


4.11.2 setting a plan to capture and video rules

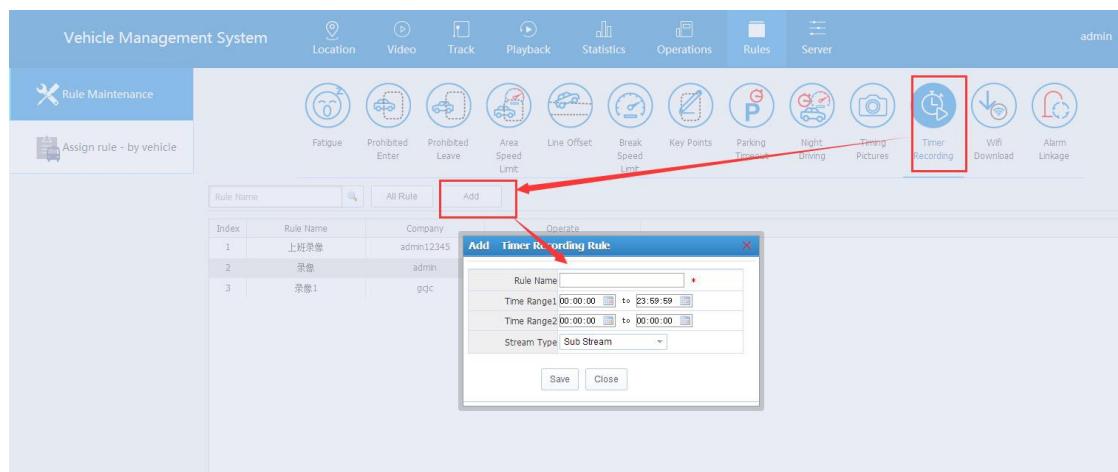
Capture mode

Cycle capture: it will capture pictures one by one according the interval time from one channel to another channel.

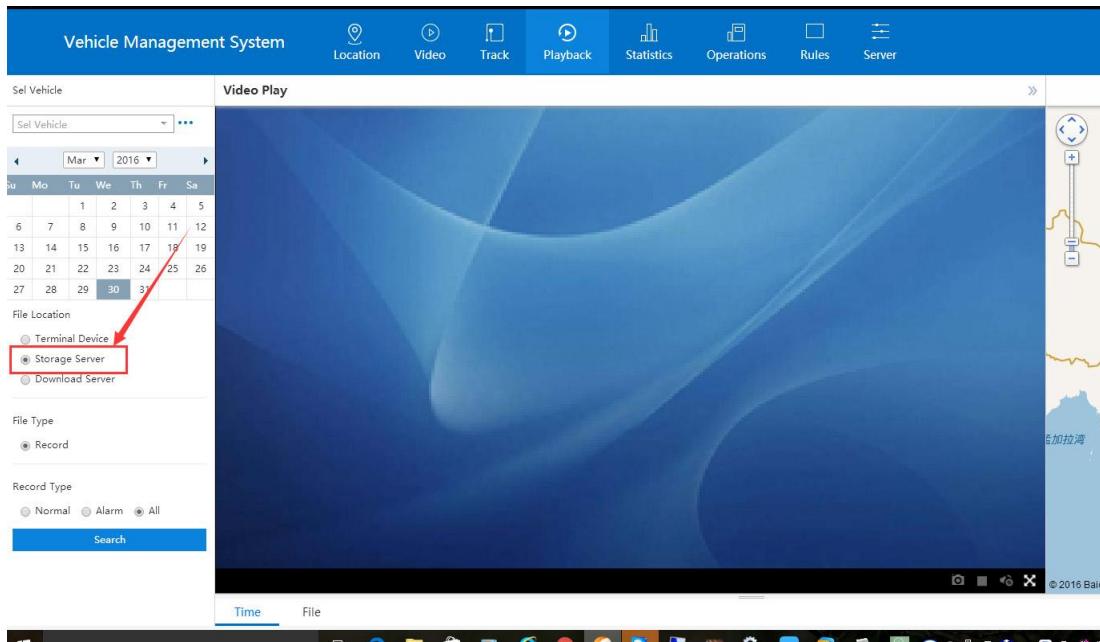
Independent capture: each channel independently, it will capture pictures one by one according the interval time from one channel.



Timer recording rule



4.11.3 play back the video from storage server.



4.12 WIFI Video Download plan

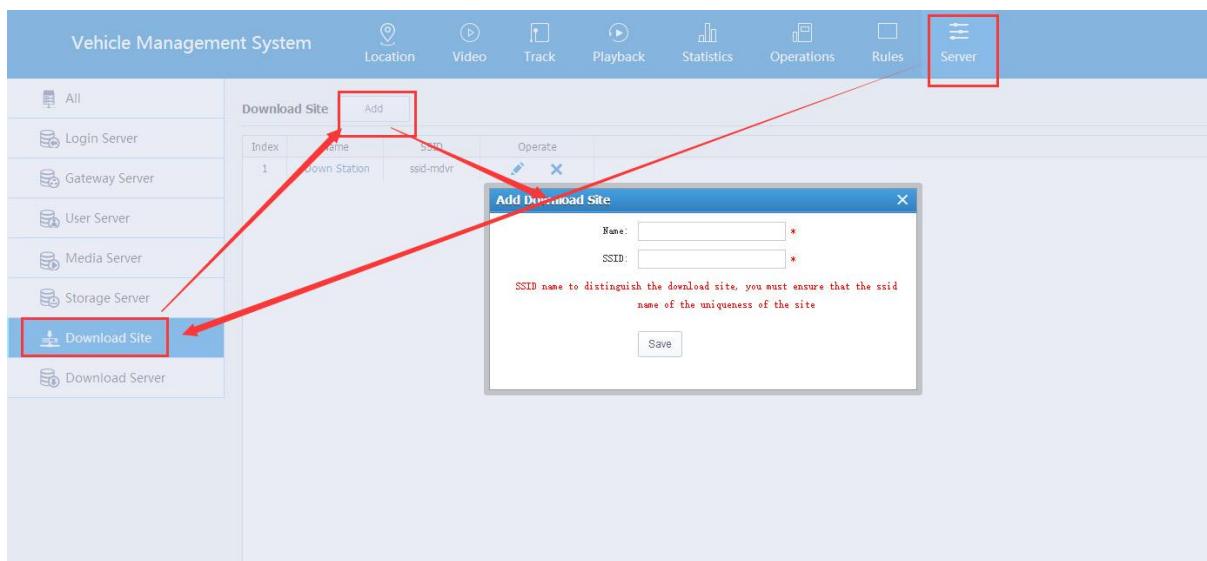
The precondition of using the function “WIFI Video Download Plan” : the devices have the WIFI Download function.

4.12.1 Increase WIFI download point

- o

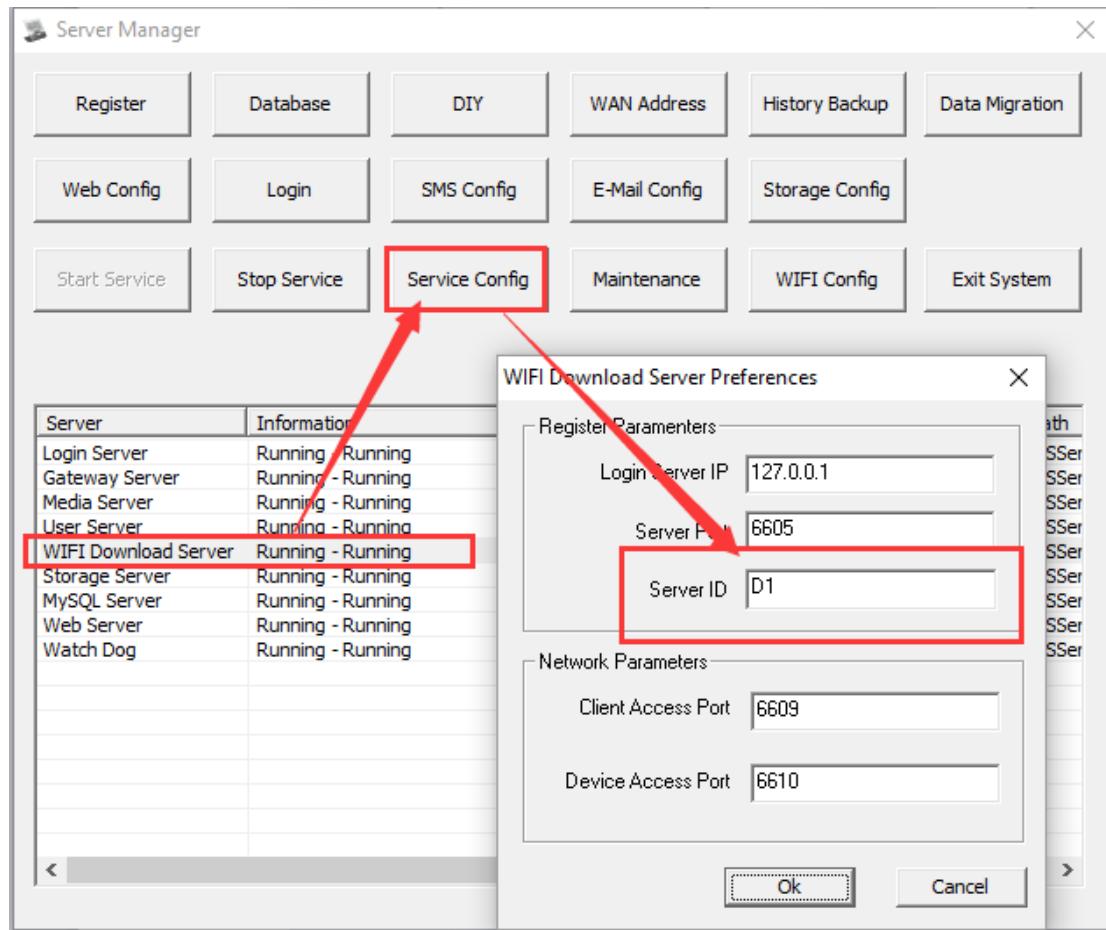
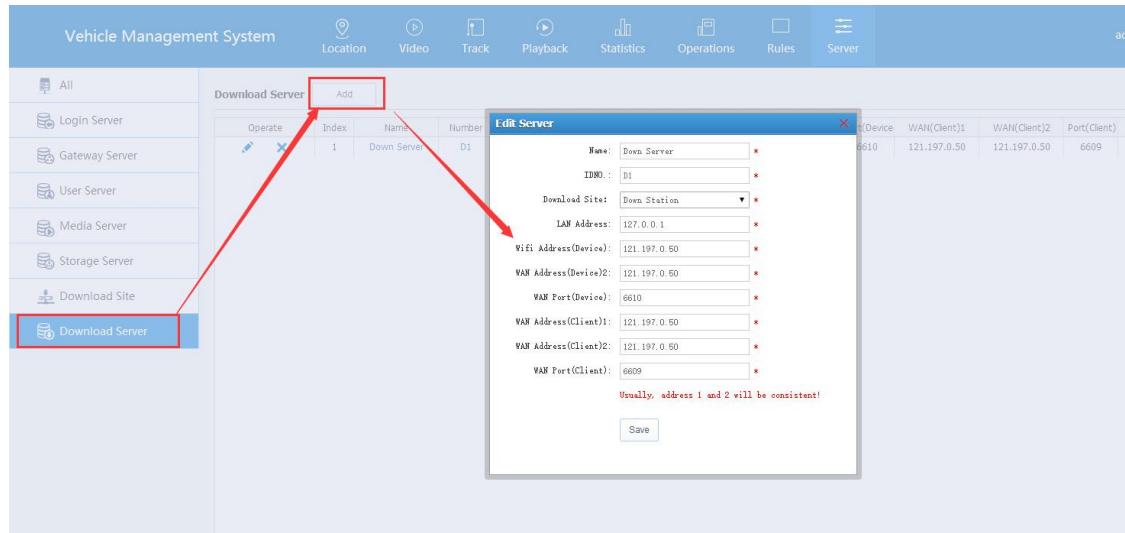
Login in web management, and click “server”, then click “download site” to add download site, the configure it.

Note: WIFI download site should be the same as the site which the devices upload the WIFI site. It means the same LAN with a same SSID. If they are different, the data can’t be downloaded.



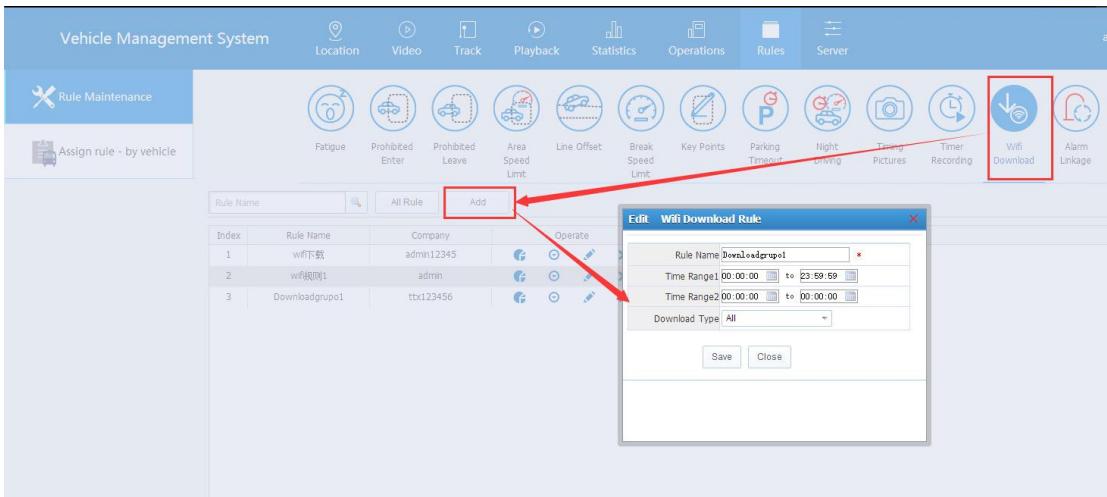
4.12.2 add WIFI download server

After successfully adding the download site, and then add wifi download servers. As below Fig.

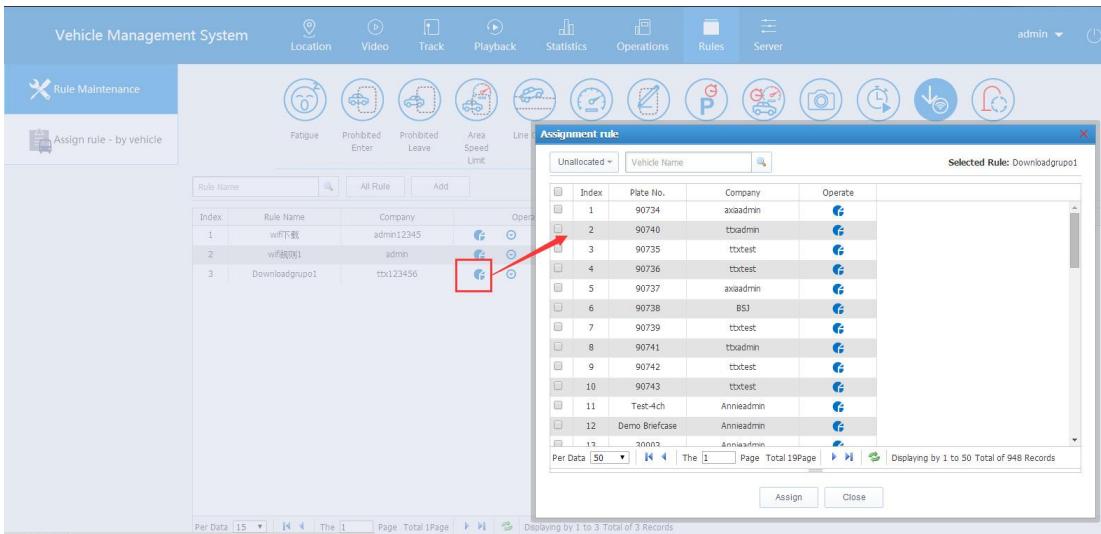


4.12.3 Configure wifi download plan

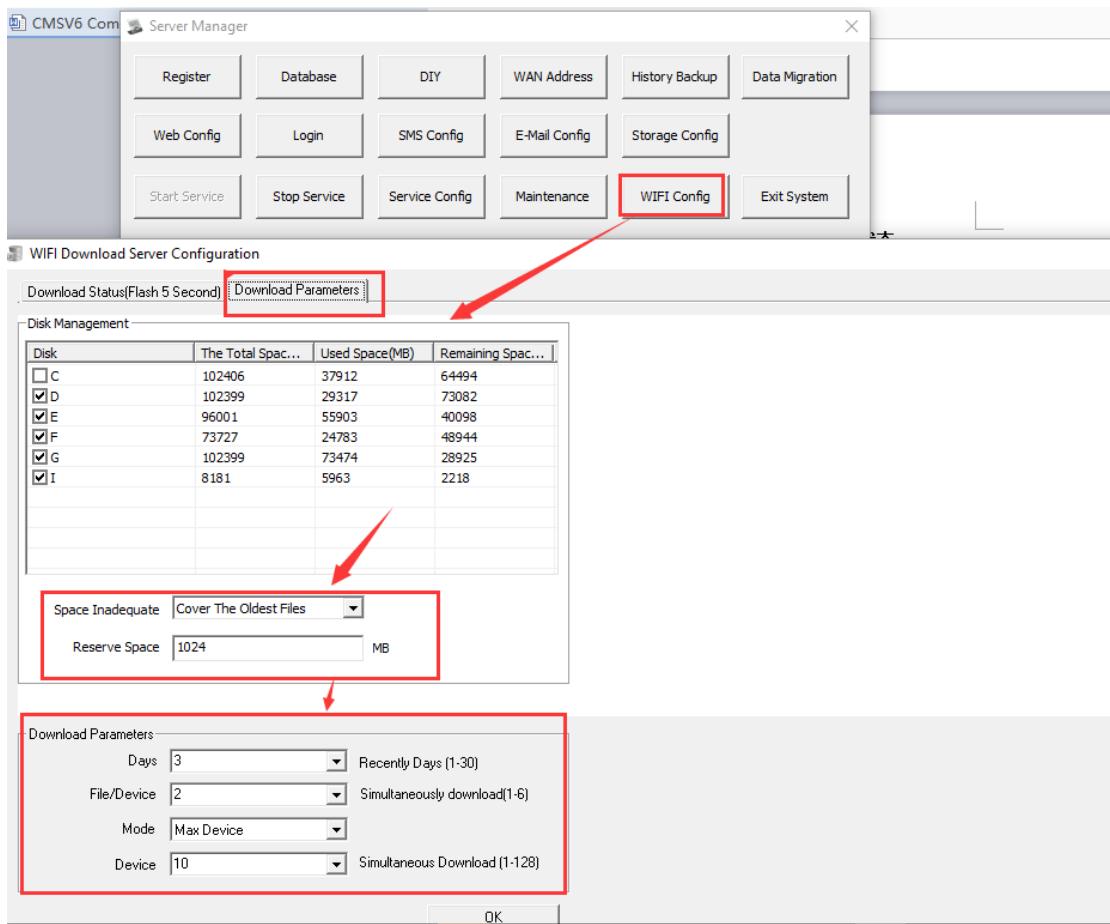
Login web management rules, configuration wifi download program, after the configuration, when the device is connected to wifi, it will automatically download the video files on the server configuration according to plan



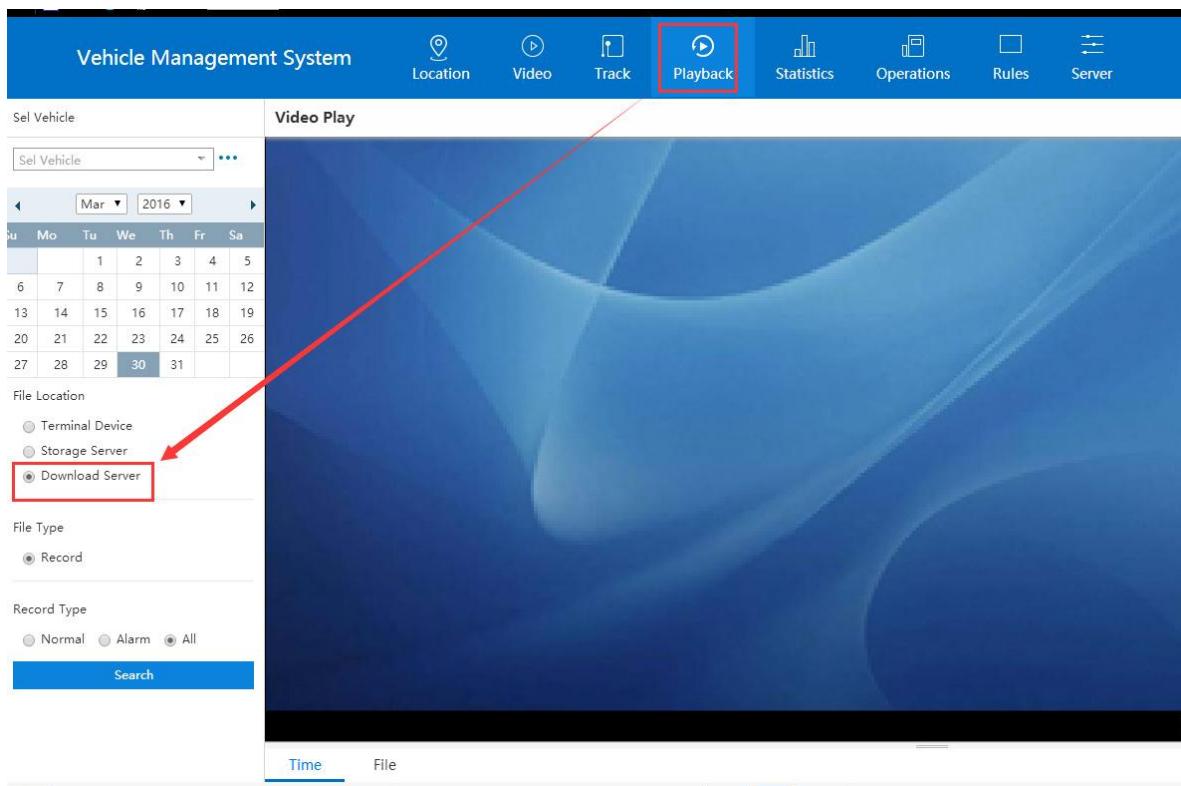
assignment rule



4.12.4 You can configure the file path which store the WIFI download and then state of download.



4.12.5 play video from download server

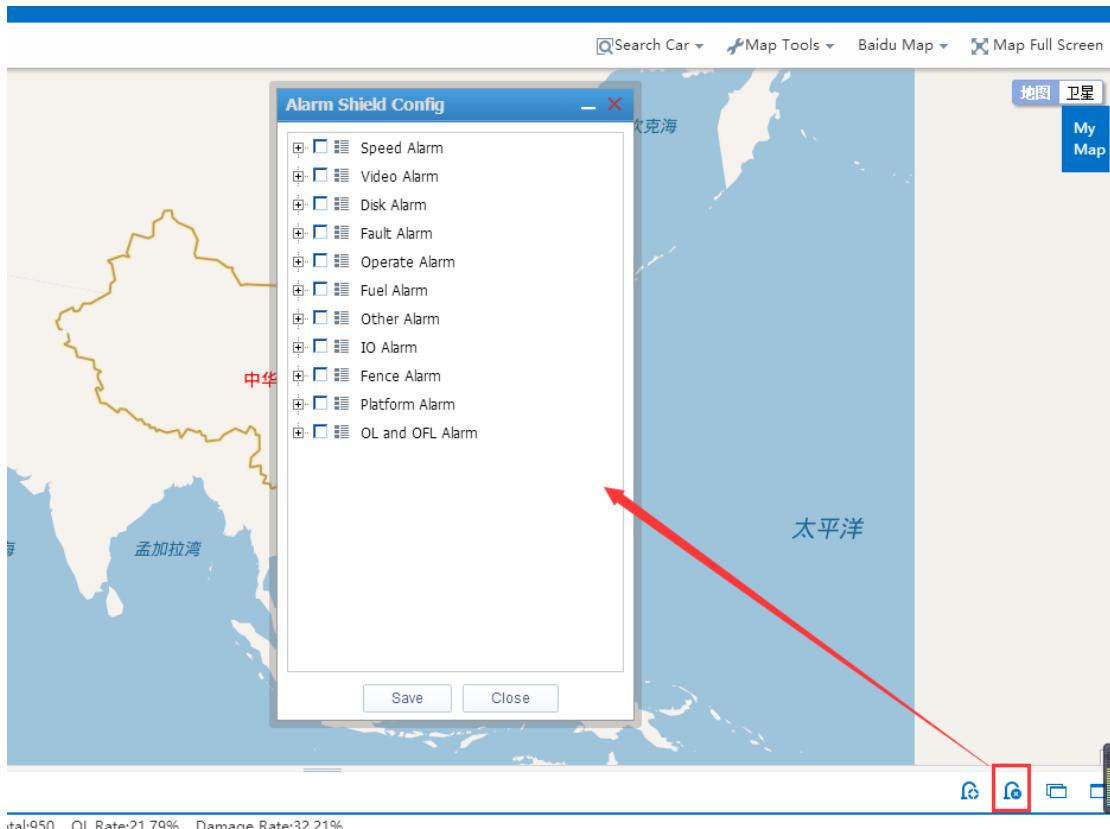


4.13 alarm

4.13.1 Shielded alarm information

If the option of alarm shield checked, the alarm information would not display in the information bar in the client.

Click on "Alarm shield configuration" to open the "Alarm Shield Config" window, as shown in FIG.

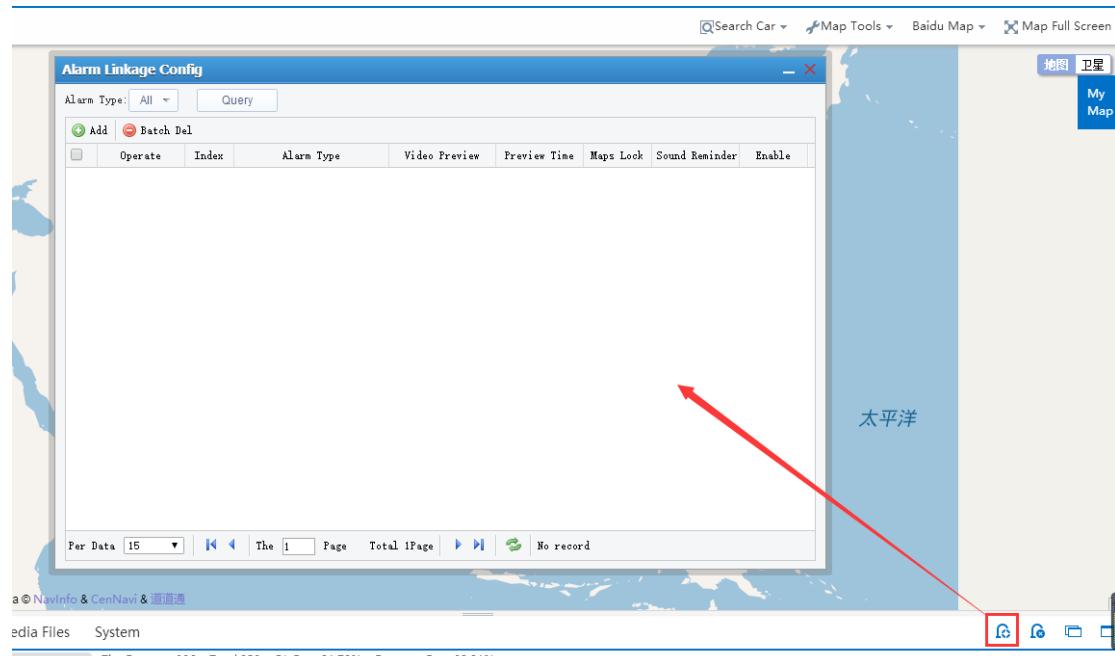


If the alarm don't need to show in the client, please check in.

4.13.2 web client alarm linkage

If you configure the alarm linkage function in the client, you can set the alarm video window , locking digital map functions which pop-up window from web client, when the alarms you have specific had happened. (This alarm linkage only for web client)

Chick on “alarm linkage config” , open the “alarm linkage config ” windows, as shown in FIG



Add alarm linkage

◦

The default opening the alarm linkage window is uneditable, you should choose the vehicles in the left tree first, the window become editable.you can set all kinds of the alarms in the window.

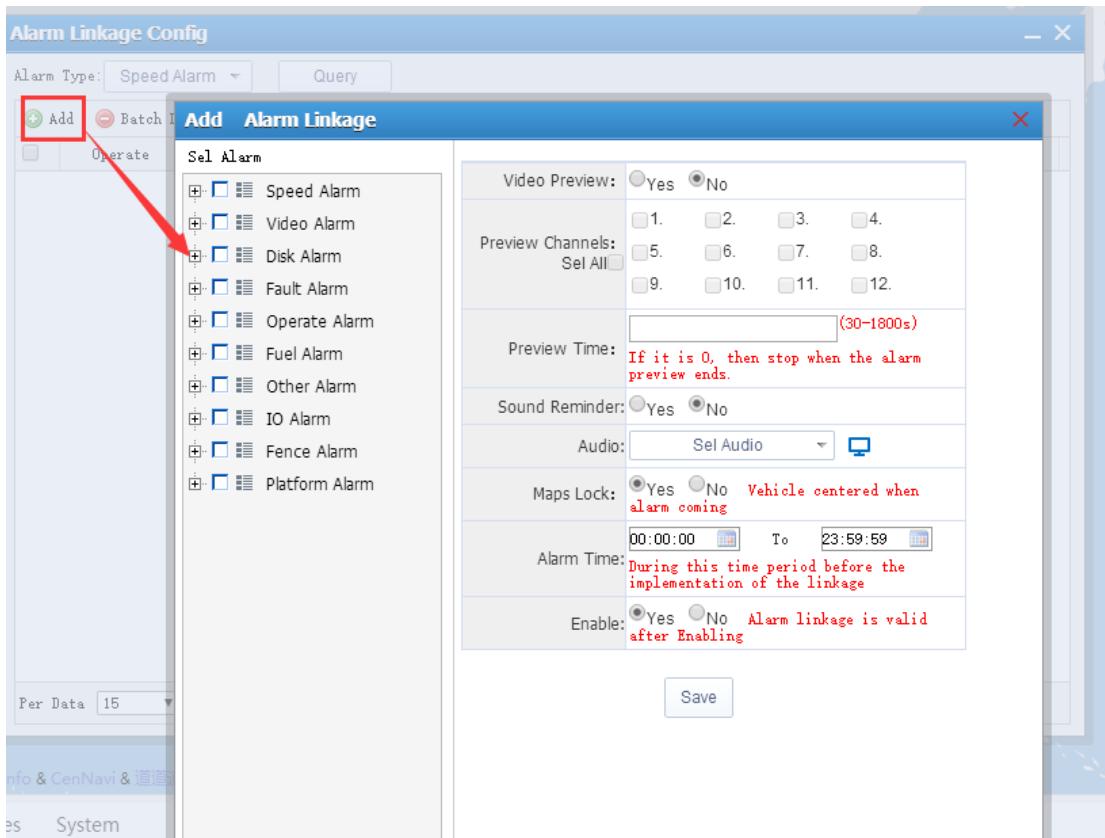
Alarm Type: Select the alarm device associated with the alarm type (it will take effect when the alarms setting of terminal devices the same as the software in the window).

Video Preview: IF the alarm had happened, then window would pop up the video of the alarm. (only support sub-stream in the version)

Sound reminder: the type of alarm sound reminder not only the default sounds but also the customized sounds.

Map Lock: the vehicles which had been monitored would be centered on the map, when the related devices were alarmed linkage.

Arming Time: enabling the alarming time, the alarm linkage will be effect in the period time.



It will be alarm linkage when the alarms occur.

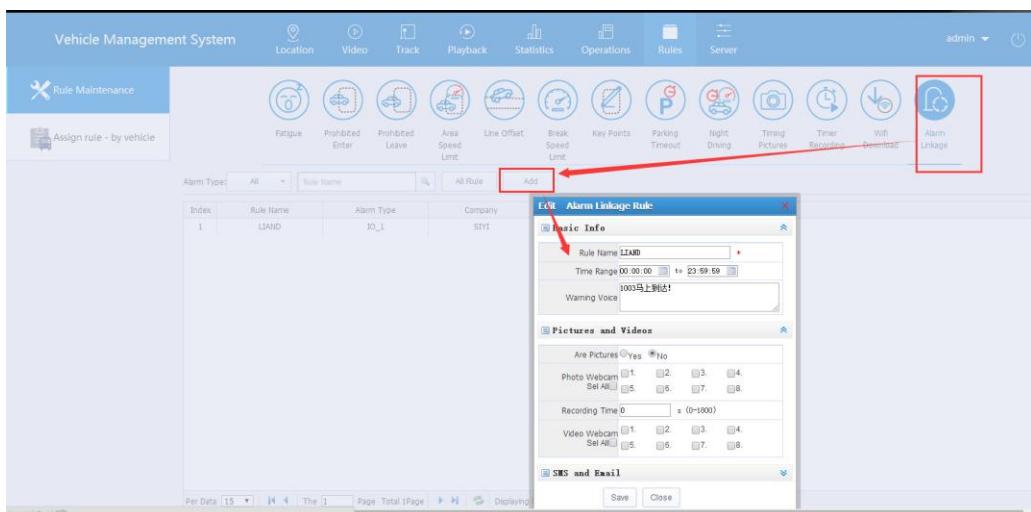
4.13.3 Server Rules alarm linkage

This alarm linkage for all logged-on user

4.13.3.1 setting the rules in the alarm linkage

When the vehicle alarms occur, the cellphones and Emails which have been matched will sent the message automatically by the server. (E-mail and SMS settings bibliography 9.1)

1, configuration rules



2, assignment rules

The screenshot shows the 'Assignment rule' dialog box overlaid on the main vehicle management interface. The dialog box contains a table with columns: Index, Rule Name, Alarm Type, Company, and Operate. The 'Operate' column contains icons representing different vehicle models. A red box highlights the 'Operate' column, and a red arrow points from it to the 'Operate' button in the main interface.

4.14 sending message to vehicle

User can send message to the vehicle driver in the web client platform.

Prerequisites To devices have TTS function or with a display screen, as the while at vehicle information» edit vehicle information >edit vehicle» check on TTS

The screenshot shows the 'Edit Vehicle' dialog box. The 'Operations' tab is selected. The dialog box contains sections for Document Information, Device Info, and Peripheral Modules. A red box highlights the 'Vehicle' icon in the sidebar, and another red box highlights the 'Operations' tab in the header. A red arrow points from the 'Edit Vehicle' dialog to the 'Operations' tab.

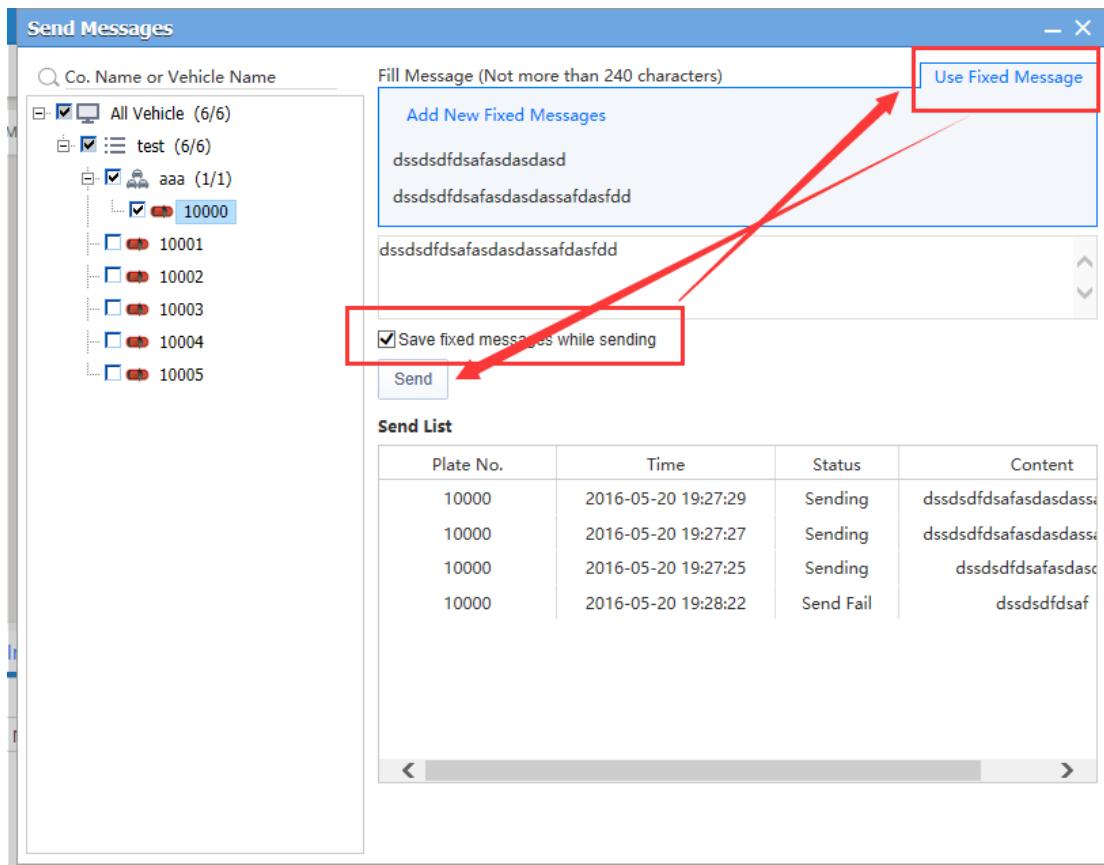
4.14.1 open send messages

Open under the text messages are: vehicle list, vehicle information bar on the map

4.14.2 send messages operation

A.Click on "send message" in the list of vehicles, then it will pop-up a window. Please check the vehicles which need to be sent messages, put in the works and send it. It will be prompted whether it is successful or failure.

b. The messages you sent can be saved, deleted, added. Click "use fixed Message" , then check "save fixed message while sending" , and click on "send".



Then send list save the messages you have been sent, the list will show the content of message. If you checked up the "save fixed message while sending" when you were sending messages, it would be save in the list and you can use it directly next time.

Send Messages

Co. Name or Vehicle Name

- All Vehicle (6/6)
- test (6/6)
 - aaa (1/1)
 - 10000
 - 10001
 - 10002
 - 10003
 - 10004
 - 10005

Fill Message (Not more than 240 characters)

Add New Fixed Messages

dssdsdfdasfasdasdasd
dssdsdfdasfasdasdasafdasfdd
dssdsdfdasfasdasdassafdasfdd

Save fixed messages while sending

Plate No.	Time	Status	Content
10000	2016-05-20 19:27:29	Sending	dssdsdfdasfasdasdasd
10000	2016-05-20 19:27:27	Sending	dssdsdfdasfasdasdass
10000	2016-05-20 19:29:22	Send Fail	dssdsdfdasfasdasdass
10000	2016-05-20 19:28:22	Send Fail	dssdsdfdasf

The messages have been sent will be query in the "Issued Info Detail RPT".

Vehicle Management System

Location Video Track Playback Statistics Operations Rules Server

Driving Behavior 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

- Reported Data Query
- Issued Info Detail RPT

User Behavior RPT

Passenger Statistics RPT

Issued Info Detail RPT

Sel Time: Custom Time Start Time: 2016-03-30 00:00:00 End Time: 2016-03-30 23:59:59 Query EXP File Form

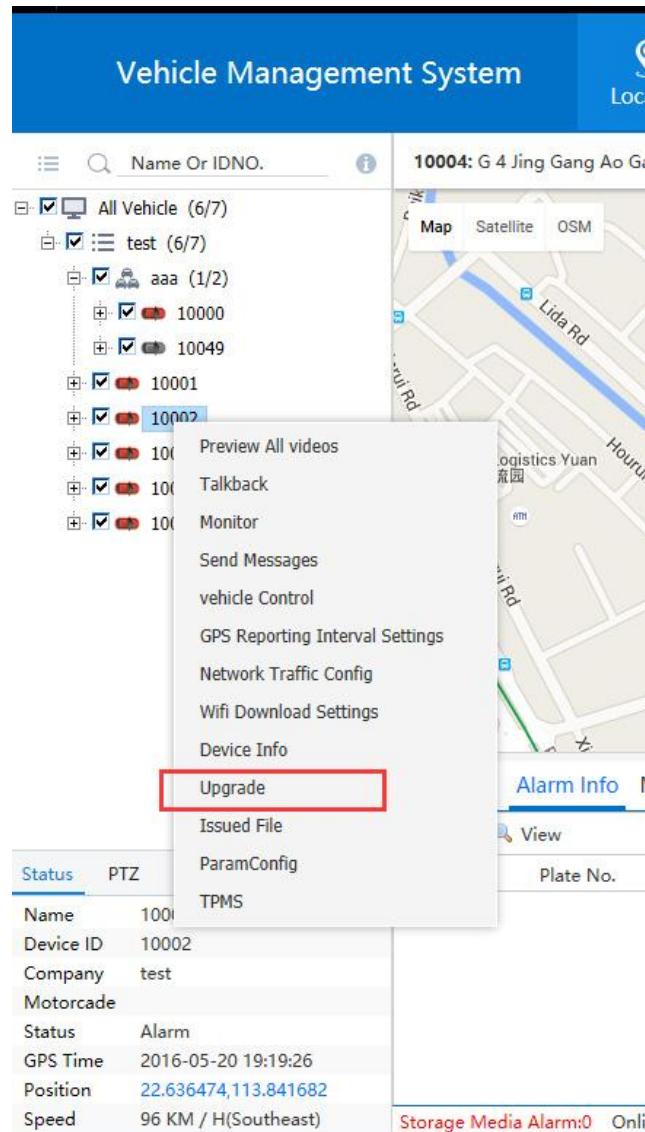
ID	User	Plate No.	Plate Color	Time	Command
1	admin	8888888	Yellow Card	2016-03-30 18:00:41	gsagsagxsavgsasghashashash
2	admin	8888888	Yellow Card	2016-03-30 18:00:34	gsagsagxsavgsasghashash

4.15 Device upgrade

Devices upgrades (devices TTX protocol and devices 808 protocol)

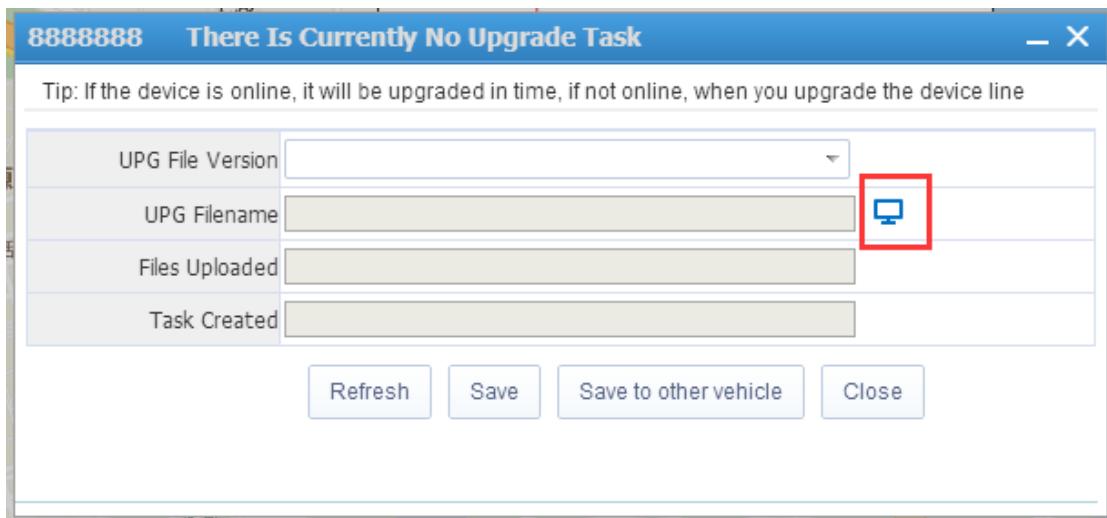
It will have two kinds of upgrade ways: online upgrade and offline upgrade, but the prerequisites is the devices support upgrade.

When the vehicle is online, the menu option is showing below figure.

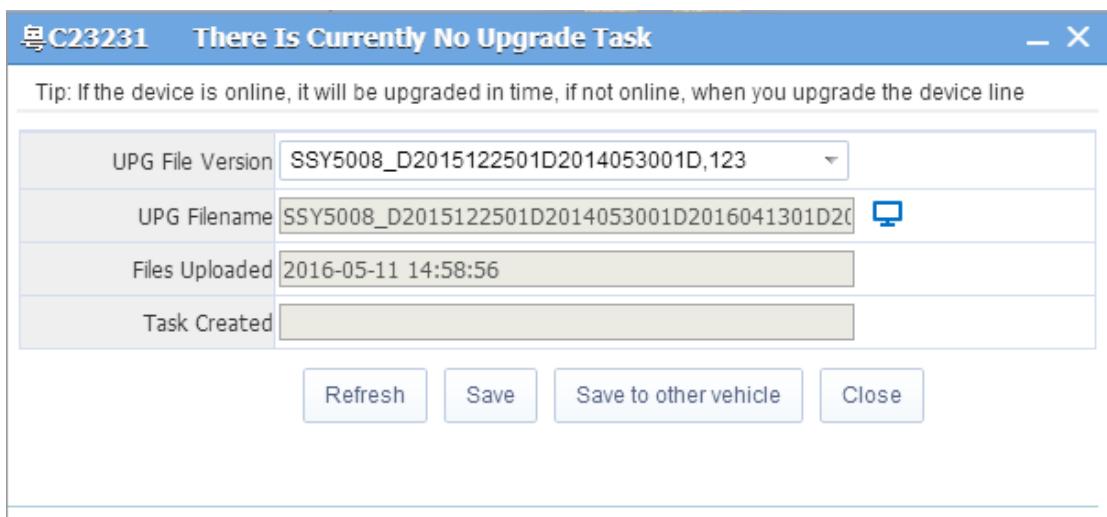


4.15.1 Add upgrade tasks

When the devices haven't the upgrade tasks.



When the devices have a upgrade task, as below figure.

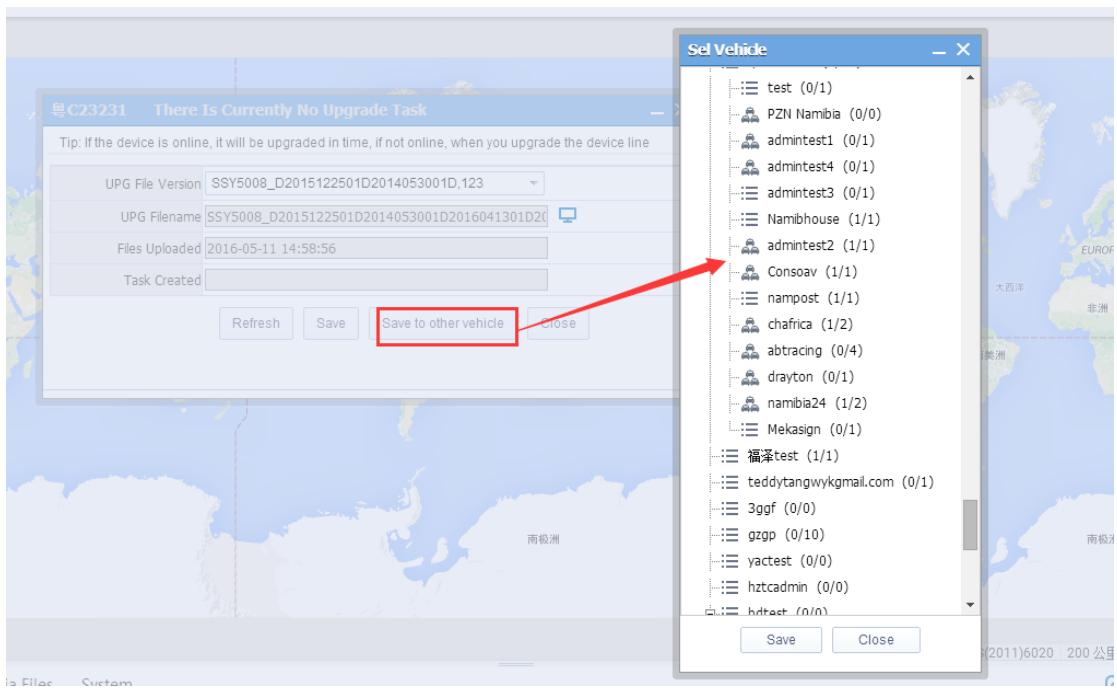


If the device have a upgrade task, you should click the "edit" button, it can be change the version of the upgrade files.

4.15.2 Save to other vehicles

It means the task can be saved or copied to other vehicles.

click "save to other vehicles", pup up the figure as showing below.

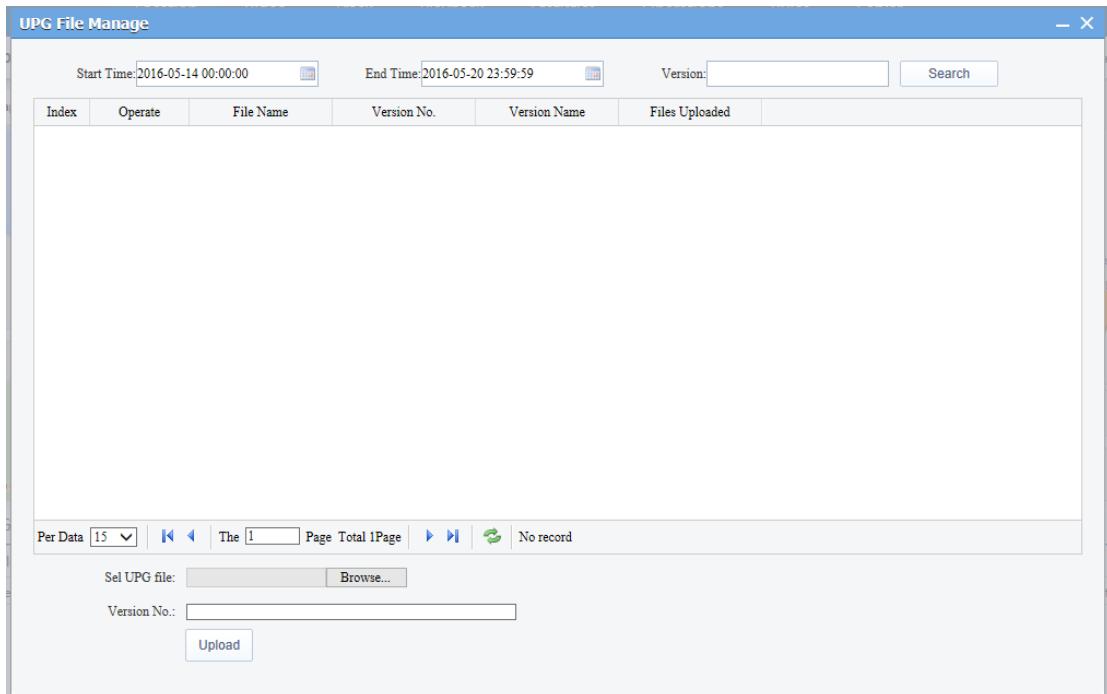


The vehicles which will be copied the upgrade files should have the same protocol

The figure is a listed vehicle owned vehicles have the same protocol and equipment upgrades task interface device.

4.15.3 UPG file manage

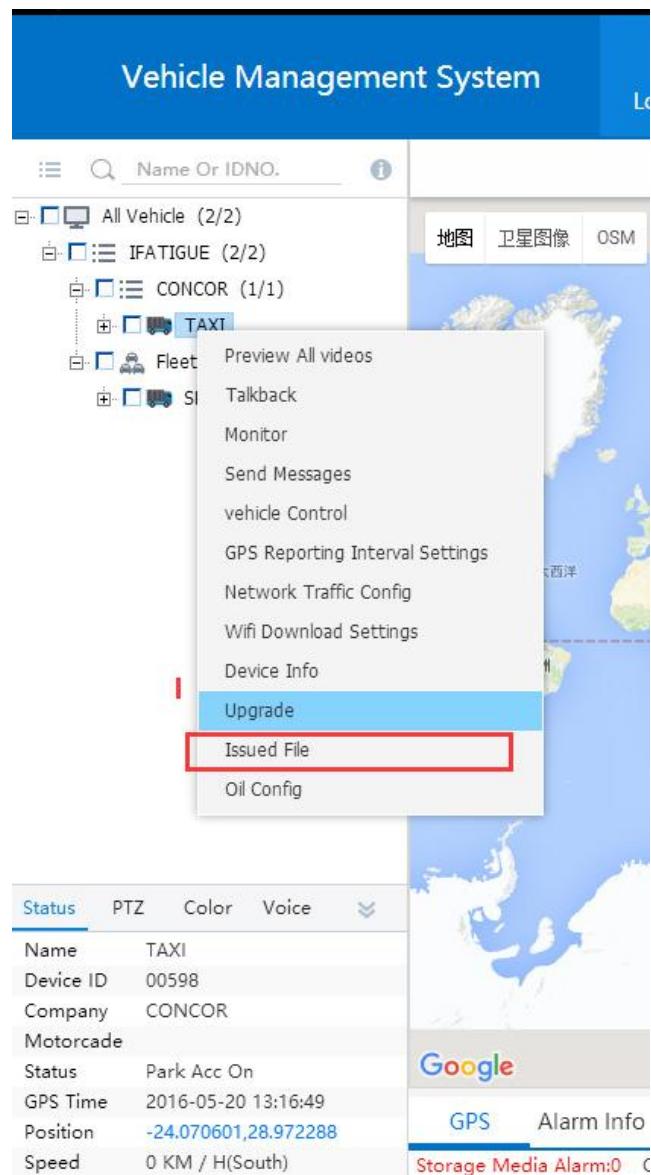
In the device upgrade task management interface, click the File button will appear the following figure (as shown below)



4.16 issued file

The function is than the files will be sent from the software to the devices.

- 1、Please select the vehicle which need to issue file, then check "issued file" by right click.
As show below:



- 2、Upload file manager

8888888 There Is Currently No Upload Task

Tip: If the device is online, it will be uploaded in time, if not online, when you upload the device line

File Type	Image Type
File Description	
File Name	<input type="text"/> 
Files Uploaded	
Task Created	

Upload File Manage

Index	Operate	File Name	File Description	Files Uploaded

Start Time: 2016-03-24 00:00:00  End Time: 2016-03-30 23:59:59  File Desc: Search

Per Data 15 ▾ |   The 1 Page Total 1 Page    No record

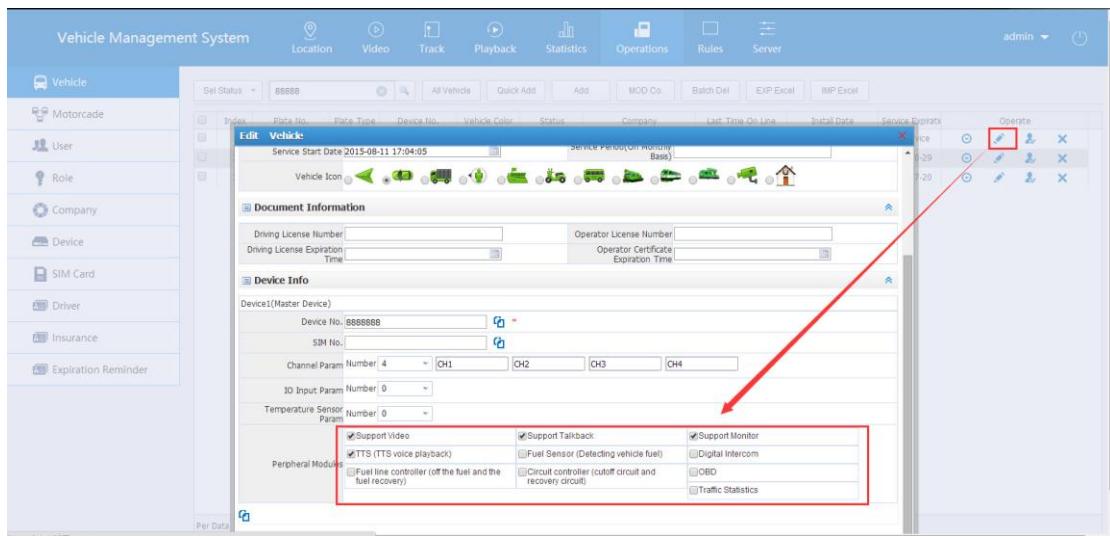
Sel upload file: 未选择任何文件

- A、File Type: image type, configuration files (the device should have the function , it will be sent successfully)
- B、description of file: can be customized
- C、File : it can be upload from computer.
- D、file upload time: Record file upload time
- E、task Created time: it will save the created time after be created.

4.17 oil configuration

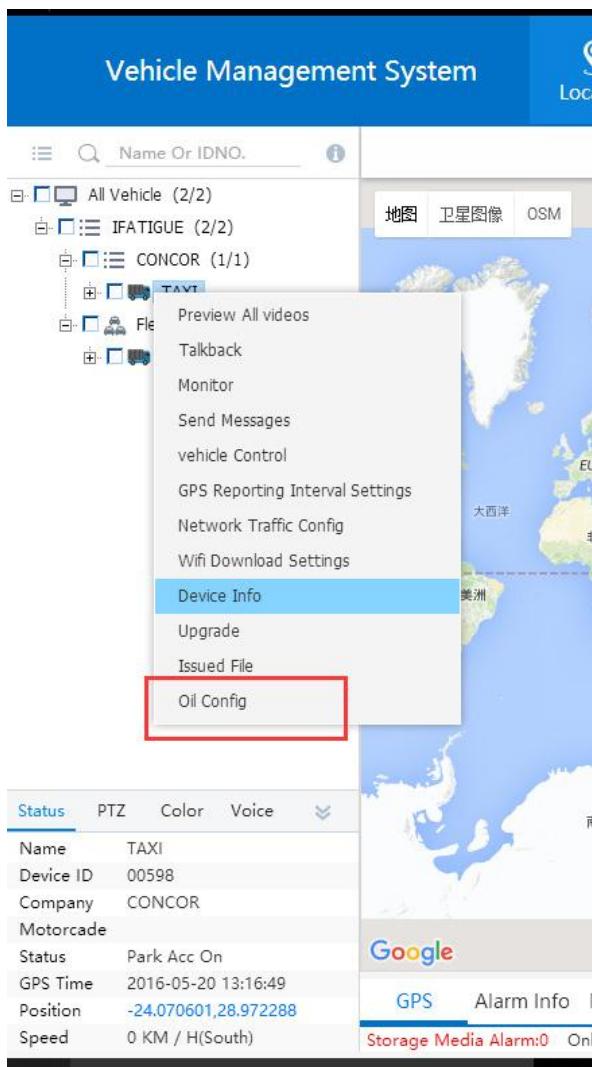
4.17.1 oil configuration parameter

If you want to configure the oil parameter, the devices should have the model of fuel sensor. And it should be checked in the car information.



Fuel configuration operations: select the fuel sensor if the vehicles require the function.

If the devices have the fuel sensor, it must be have the "oil config" button(figure below).



Fuel configuration, Figure shown below

Oil Config - 8888888

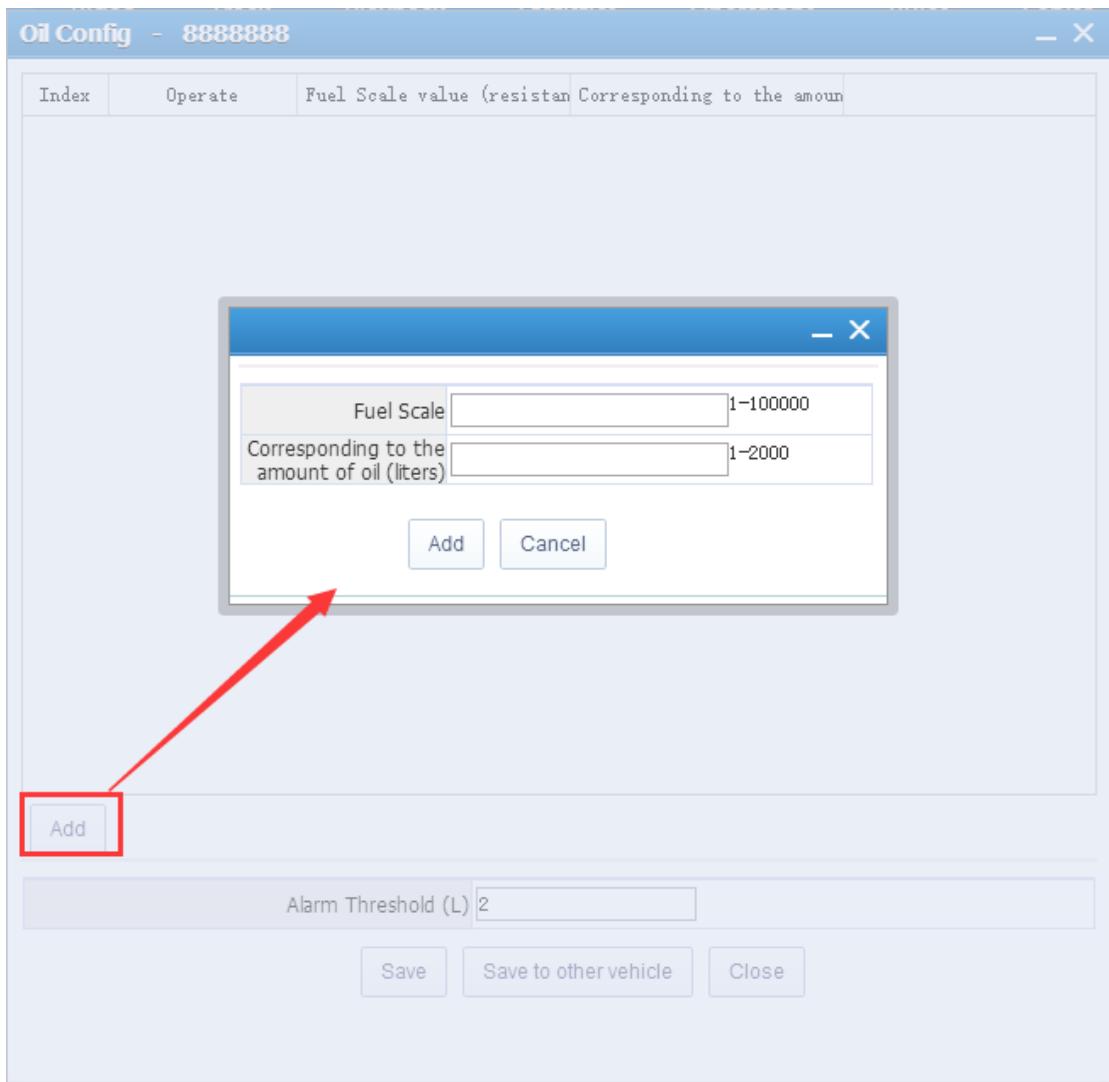
Index	Operate	Fuel Scale value (resistan	Corresponding to the amoun

Add

Alarm Threshold (L)

Click the "Add" button to add fuel scale values and its corresponding set of oil

As shown below figure:



You can add multiple page manually closed

Configuring scale corresponding fuel requirements

Fill rules: 1. Fill the sensor means corresponding to the minimum pass over the oil money. 2. Fill pass over the sensor corresponding to the maximum value of the oil. 3. Fill in the middle of the maximum and minimum values corresponding to the value of oil. (Fill in the data, the more data that is collected more points, the more accurate statistics)

Set the alarm threshold: When the oil change suddenly more than or less than the threshold set alarm is generated. Meanwhile in the report will record the alarm information.

2.2 edit oil configuration

Figure as shown below (click No.2 edit button in the below example will pop-up the window figure as follow shown)

Oil Config - 8888888

Index	Operate	Fuel Scale value (resistan	Corresponding to the amoun	
1			20	400
2			30	600

A red box highlights the edit icon in the second row. A red arrow points from this icon to a modal dialog box.

Fuel Scale 1-100000

Corresponding to the amount of oil (liters) 1-2000

Alarm Threshold (L)

Value still require modification when added with the same (a value corresponding to the removal of this column)

After you save the page automatically shut down

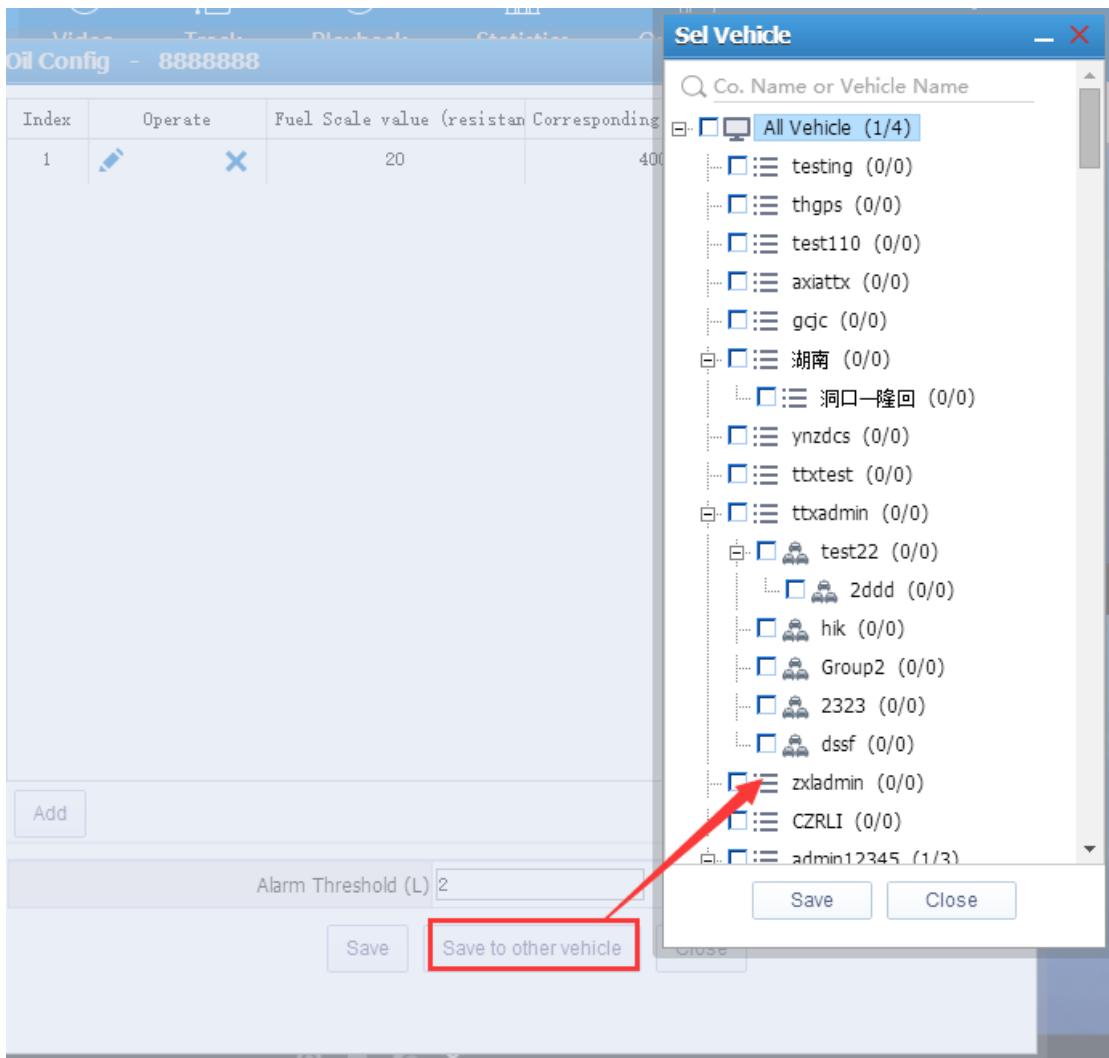
2.3 delete button

Oil Config - 8888888

Index	Operate	Fuel Scale value (resistan	Corresponding to the amoun	
1			20	400

A red box highlights the delete icon in the first row. A red arrow points from this icon to a modal dialog box labeled "Delete".

2.4 save to another vehicle



Vehicles are listed on the map with a vehicle fuel sensor configuration

4.17.2 fuel RPT

Summary table of oil, fuel dynamic detail RPT, Fuel abnormal Detail RPT

Vehicle Management System

- Driving Behavior RPT
- OL and OFL RPT
- Alarm RPT
- Mileage RPT
- Driving RPT
- Electronic Fence RPT
- Fuel RPT**
 - Summary Table Of Oil
 - Fuel Dynamic Detail RPT**
 - Fuel Abnormal Detail 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

Fuel Dynamic Detail RPT

Sel Time: Custom Time Start Time: 2016-03-30 00:00:00 End Time: 2016-03-30 23:59:59 Query EXP File F

Vehicle: Sel Vehicle Spacing: 0M

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

Fuel / Velocity Profile

Fuel Curve (L) Velocity Curve(KM / H)

Index	Plate No.	Plate Color	Time	The Mileage(KM)	Current Position	The Fuel

Per Data 15 The 1 Page Total 1 Page

1, Summary total of oil: Record vehicle within a certain time of the start and end of the fuel oil, have walked miles with total fuel consumption.

Summary Table Of Oil

Sel Time: Custom Time Start Time: 2016-02-01 End Time: 2016-03-30 Query EXP File Format

Vehicle: All Vehicle

Index	Driver Name	Plate No.	Plate Color	Start Time	End Time	Oil Starting Time (L)	Oil End Times (L)	The Amount	Total Mileage (KM)	Total Consumption (L)	Amount Of Fuel
1		123123	Yellow Card	2016-02-18 10:51:54	2016-03-05 12:47:23	39.92		0	290.396	1.29	0
2		100666	Blue Card	2016-02-29 16:14:19	2016-03-28 13:28:57	11.83		0	186.703	0.54	0
3		6888888	Yellow Card	2016-03-28 13:52:58	2016-03-30 18:33:54	0		0	3422.253	0	0

2, Oil dynamic list: Synchronization Instant Upload fuel values with GPS.

Fuel Dynamic Detail RPT

Sel Time: Yesterday Start Time: 2016-03-29 00:00:00 End Time: 2016-03-29 23:59:59 Query EXP File Format

Vehicle: 鲁QCH069冀K Spacing: 0M

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

Fuel / Velocity Profile

Fuel Curve (L) Velocity Curve(KM / H)

Index	Plate No.	Plate Color	Time	The Mileage(KM)	Current Position	The Fuel
1	鲁QCH069冀K	Yellow Card	2016-03-29 07:47:40	0	32.746979,114.968994	12
2	鲁QCH069冀K	Yellow Card	2016-03-29 07:47:50	1048.575	32.746875,114.969046	12
3	鲁QCH069冀K	Yellow Card	2016-03-29 07:48:00	1048.592	32.746940,114.969051	12
4	鲁QCH069冀K	Yellow Card	2016-03-29 07:48:30	1048.615	32.746971,114.969038	12
5	鲁QCH069冀K	Yellow Card	2016-03-29 07:48:40	1048.659	32.746968,114.969025	12
6	鲁QCH069冀K	Yellow Card	2016-03-29 07:48:50	1048.639	32.746978,114.968927	12
7	鲁QCH069冀K	Yellow Card	2016-03-29 09:23:38	0	32.746978,114.968927	12

Per Data 15 The 1 Page Total 55 Page Displaying by 1 to 15 Total of 823 Records Services

3, Fuel abnormal detail RPT: it will be record on the RPT when it alarm.(Mentioned above to set the alarm threshold)

The screenshot shows a software interface with a sidebar menu on the left containing options like Alarm RPT, Mileage RPT, Fuel RPT (selected), Summary Table Of Oil, Fuel Dynamic Detail RPT, Fuel Abnormal Detail RPT (highlighted with a blue box), and Multimedia. The main area is titled "Fuel Abnormal Detail RPT" and displays a table of fuel consumption data. The table has columns for Index, Plate No., Plate Color, Time, Current Position, The Mileage(KM), and Fuel Change. The data shows various vehicles and their fuel consumption details over a specific date range.

Index	Plate No.	Plate Color	Time	Current Position	The Mileage(KM)	Fuel Change
1	豫B93988禹州利	White Card	2016-03-29 05:36:57	33.03016,114.071774	10485.986	129.42
2	豫QRJ309刘永文	Yellow Card	2016-03-29 06:00:26	32.800109,114.033518	7559.365	49.76
3	豫QUU195张君峰	White Card	2016-03-29 06:05:54		2459.287	52.3
4	豫QQ4588刘联军	Yellow Card	2016-03-29 06:06:59		5402.066	44.16
5	豫QKZ129王新生	White Card	2016-03-29 06:09:46	32.800356,114.033435	8448.212	51.69
6	豫QG45888张杰	Yellow Card	2016-03-29 06:12:37	32.800246,114.033538	8061.308	46.62
7	豫QE1395张海波	White Card	2016-03-29 06:12:56		2189.972	46.09
8	豫QLG101包士宾	Yellow Card	2016-03-29 06:18:45		5567.763	43.51
9	豫QB3607马勇	White Card	2016-03-29 06:29:28		8705.038	332
10	豫QLJ1016	Yellow Card	2016-03-29 08:09:53	32.951439,114.058076	2955.781	17.57
11	豫QB0078孙永伟	White Card	2016-03-29 08:53:28	32.602489,114.363958	10409.867	21.56
12	豫QR5138赵军伟	Yellow Card	2016-03-29 08:57:26	32.599262,114.377360	5932.904	51.75
13	豫QR0107张华杰	Yellow Card	2016-03-29 09:20:41	32.967913,114.781792	3604.839	24.64
14	豫QR1663戴桐	Yellow Card	2016-03-29 09:38:43	32.796962,114.961610	4634.401	56.95
15	豫QB3620康勇	White Card	2016-03-29 09:43:14	33.03032,114.071668	11331.015	232

Statistical time and oil change:

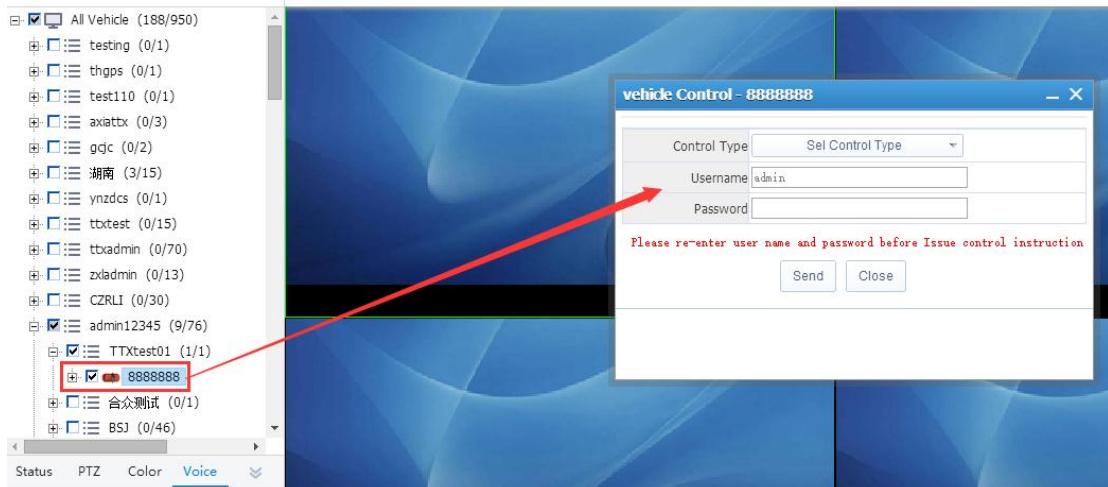
Changes within the specified "statistical time" occurrence of oil exceeds the set "oil change" value, the client will have fuel alarm display.

4.18 Common Functions

4.18.1 Vehicle Control

The function of vehicle control can remotely control the device in the vehicle: Disconnect the fuel, oil recovery, turn off the power, turn on the power to restart the device to restore the factory settings, mileage is cleared, the alarm is cleared.

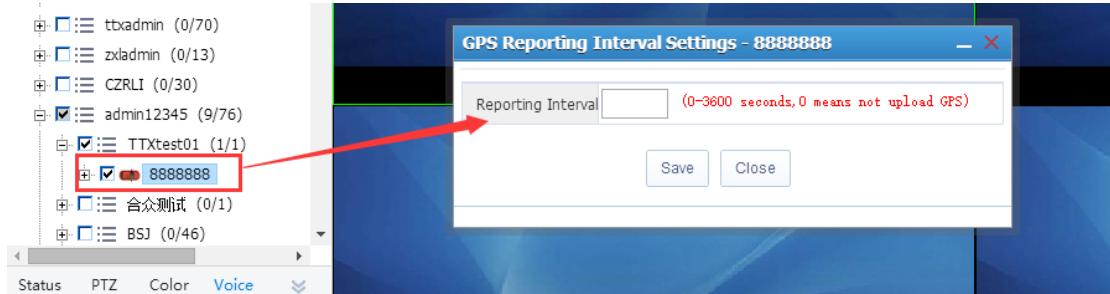
On the list of vehicles » right-click the vehicle » select vehicle control



4.18.2 GPS Reporting interval settings

Setting vehicle reported GPS reporting interval: reduce the amount of data of the vehicle GPS

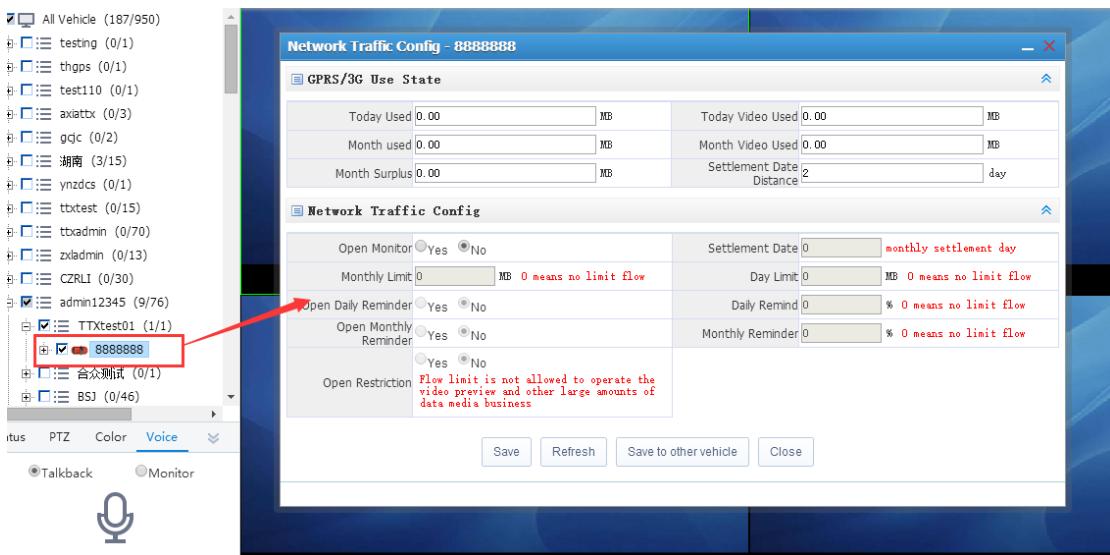
On the list of vehicles » right-click the vehicle » select vehicle control



4.18.3 network traffic configuration

Right-click on the device tree ,then select network traffic configuration

4.15.3.1 View traffic usage status



4.15.3.2 Configure traffic usage

If a vehicle has a device, but the device contention for this configuration, if a vehicle has two devices, it is the contention of the video device configuration.

If the package is not configured, you can not configure traffic restrictions, if not configured limit, you can not open flow remind.

If the limit flow function is open, the vehicles reach to the limit value, the functions of view video, intercom, monitor, download video will be prohibited.

Button Function:

Save: Save the current configuration information.

Refresh: Refresh the current flow device usage.

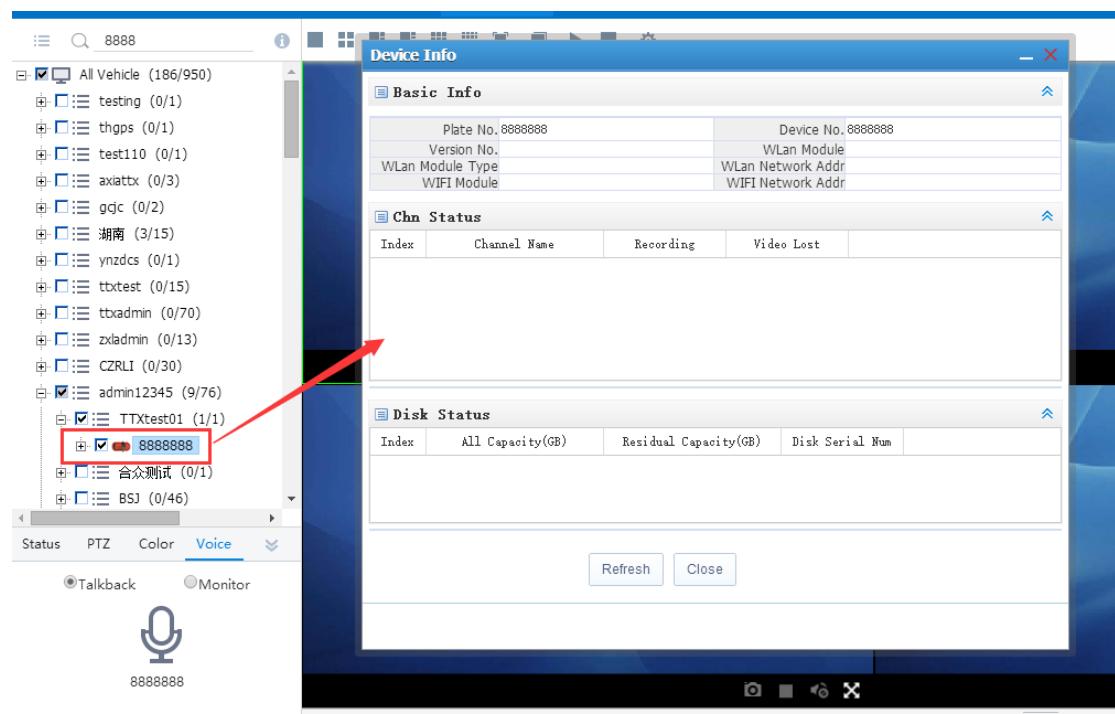
Save to other vehicles: You can copy the current configuration to other vehicles.

Close: Exit the current page.

4.18.4 device information

Only the device's protocol is TTX, it supports to view device information.

This function is available on the vehicle list and map tip menu



button function

Refresh: refresh current device information.

Exit: exit current page.

4.19 Common Problems and Solutions

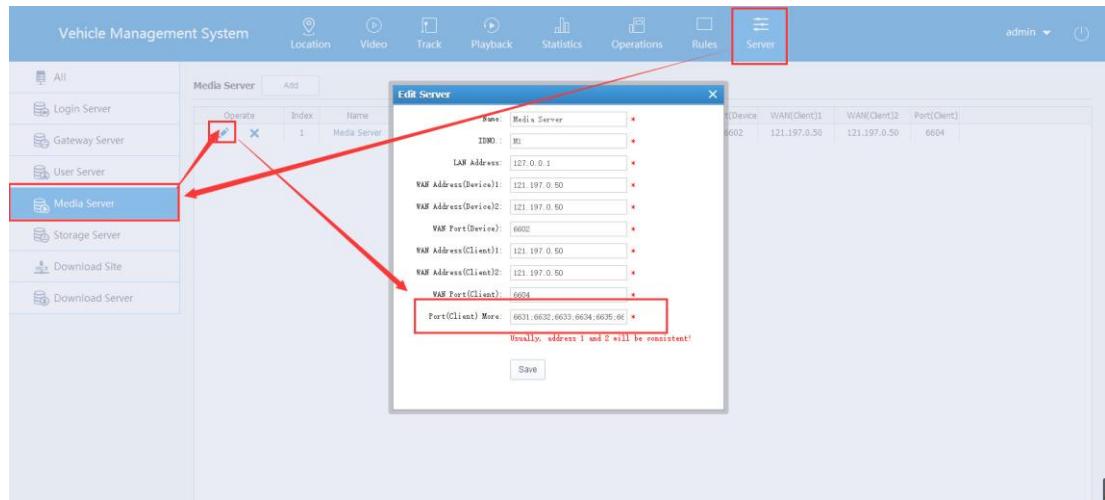
1、Login in system the interface version is V6

If you upgrade server to V7 version, but Login interface version is V6, and you can't login in web client successfully?

Solution: Clear the cache of IE

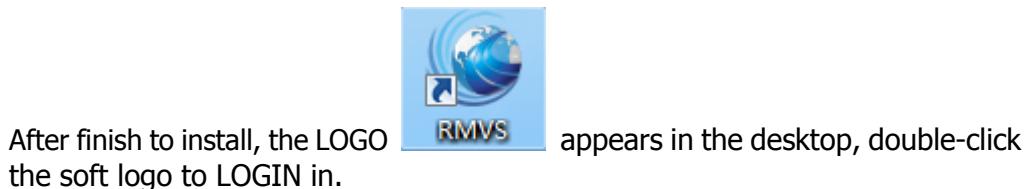
2、the video window can only open one, the other can not be loaded?

Solution: Add a few more UDP ports.



5. PC client instructions.

5.1 LOGIN PC client

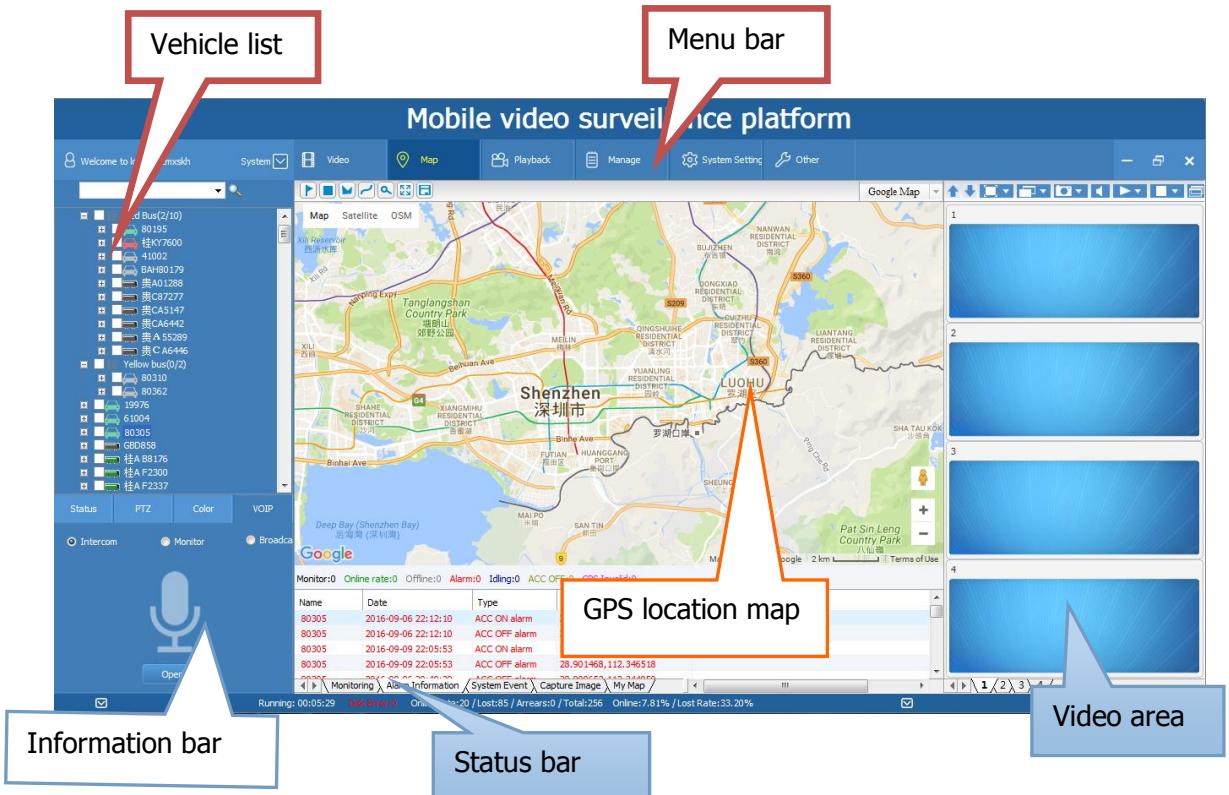


After finish to install, the LOGO  appears in the desktop, double-click the soft logo to LOGIN in.



5.2 PC Client Introduction

RMVS main interface includes these: toolbar, device list, map window, video windows, information display windows (vehicle running information, real-time alarm information, system events), PTZ controller, etc.



The main interface of the regional introduction:

Menu Bar: Located in the upper left corner, systematic, views, settings menu

Toolbar: at the top of the window,it includes some buttons:
Map,Video,Track,Record,information,Other,etc.

Map: View on the map the location of the vehicle and other information

Device List: The list information of the vehicle

Video Polling List: RMVS will switch these custom-channel video within the specified time.

My Map: Point, surface, a recording of the area marked by the user on the map

Status: The current basic information of the selected device

PTZ: Rotation angle, focus, aperture, lights, wipers, etc.

Color: remote control device dependent color

(From top to bottom are: brightness, contrast, hue, saturation, exposure)

Voice: voice speaking, listening and broadcasting

GPS monitoring: to monitor the devices current location, speed, alarms and status

Alarm information: Display the contents of the alarms

System Event: Record system events, such as log records

5.3 Map

We can real-time monitoring the devices in the left tree in RMVS PC client. and the device's GPS location display on the map.

5.3.1 Map monitoring

1. select device in the list, checked will real-time monitoring, unchecked will be cancel real-time monitoring.
2. Checked devices display detailed information on the map, include device name, Speed, time , daily mileage, total mileage, driver information, location, alarm and other function operation:open video, intercom, monitoring, etc.
3. Method for switching map type

- 1) There is map switch button on the upper right corner on the map, three options: Google map, Baidu Map, Mapinfo map.
- 2) Click toolbar "setting" -> "system setting", switch map



Zoom: Click "+" to Zoom In, Click "-" to Zoom Out.

Map/Satellite: Change the map mode to normal map or satellite map.

Center Vehicle: Make the vehicle in the center

Function on the map:

icon	function
	Add custom point (fixed point)
	Add circular area

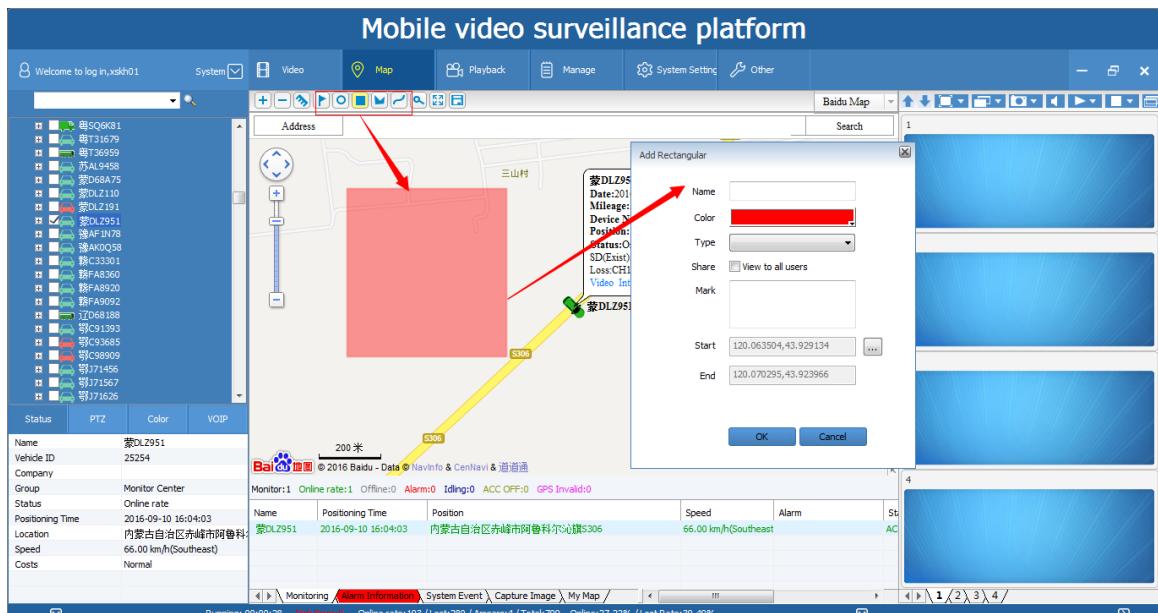
	Add fenced rectangular area
	Measure the distance
	Add fenced area of irregular shapes
	Zoom in
	Zoom out
	Add road line
	After searching an area of vehicle history information
	Map Full Screen
	save Set the current map location to the open position when the default display of the client

5.3.2 My Map

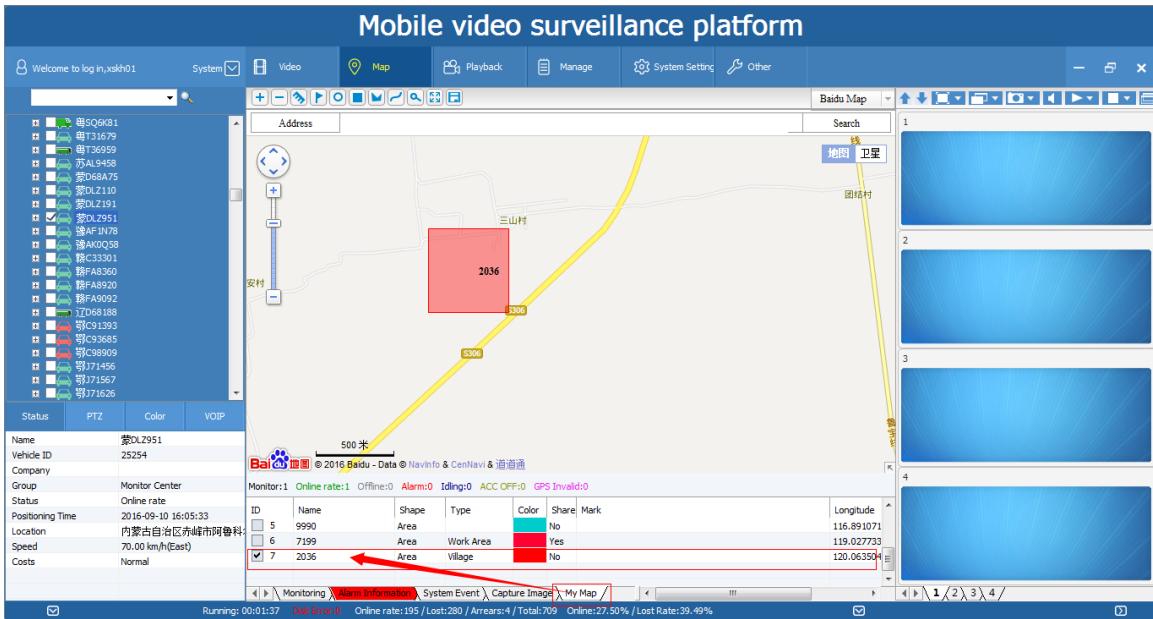
Add custom points, rectangles, polygons, and add the line, the same operation, the following steps to add a rectangle for example.

1. Click icon of add rectangles, draw a rectangle, pop up the "Add rectangular" form
2. Put in name, select color, type, mark

If the checked the box "to allow other users to view", other users can view the rectangle area. If unchecked, other users can't view it. Click "OK" button, it will be added and displayed in the under of the status bar of "my map"



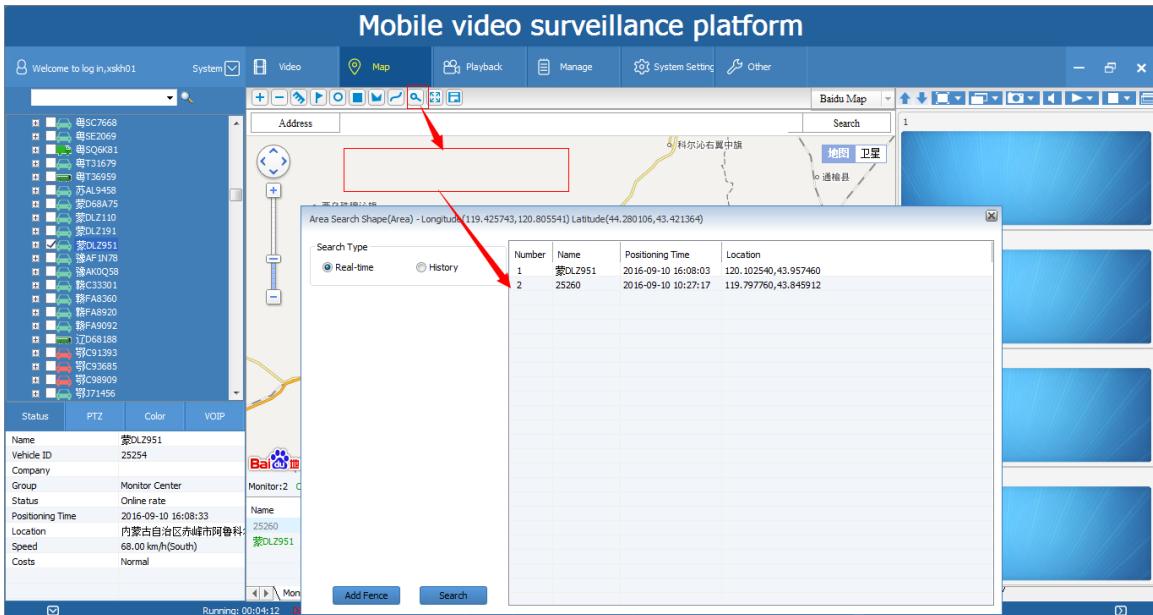
3. Remove and delete the e-fence area



- 1) User don't need to use the may map function, please tick off the option of area name.
- 2) Delete my map, check the option, right click, and select "delete fence".

5.3.3 Area search

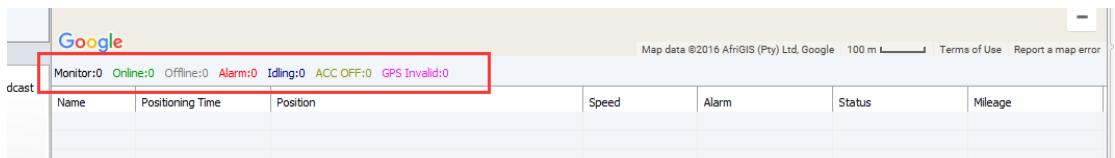
Click "search" button, Select the area on the map drag the mouse to draw a rectangle, it will pop up "area search" form, as shown below



Set search criteria, click on the "Search" button, if there is a check drawn in the area of vehicle before, it will be displayed in the list.

5.3.4 information bar

Display: The definition of vehicle colors, GSP monitoring, alarm information, device upload information, etc. As follow Fig.



5.4 real-time review

LOGIN PC client, double-click the list of devices, you can see the real-time video. And you can select a channel to see the real-time video, or drag one of the channels to the designed window to preview (the time of the the video preview in the RMVS should the same as the time in the device.)

5.4.1 tool bar in the video



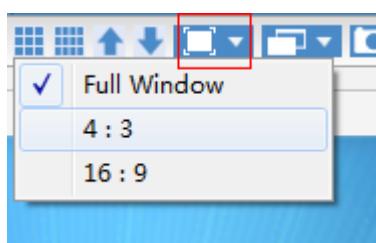
1, 4, 6, 8, 9, 16 screen video window mode, corresponding to the figure below



Video window up and down function, as shown below



display 1, full window; 2, 4:3 window display 3, 16:9 window display



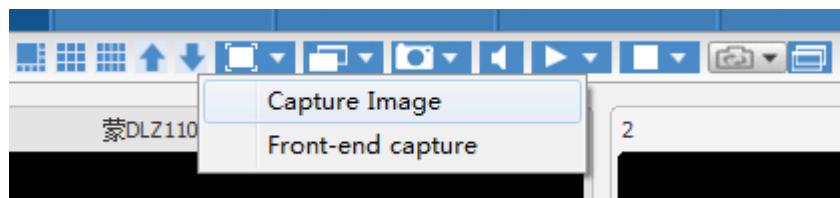
Video fluency option:



Real good: Priority to ensure the real-time video

Fluent:Priority to ensure the fluency of video

capture :



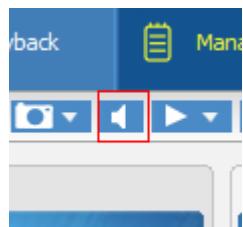
Capture image: capture image from PC Client(you need open video first)

Front-end capture: capture Fig.ture from device(you don't need to open video first)

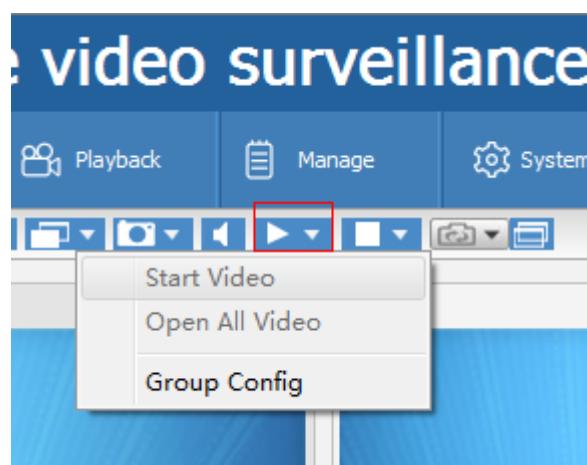
From the device to perform image capture (software version of the equipment required) operation, there will not be captured successfully if not installed SD card or hard disk (memory device) on the device.

voice

Close voice, open voice



Start video:



Start video: Start the current default video (the last time the window displays the video channels) focused window

Open all video: Start default video all windows

Stop video



Stop video: Stops the current focus of the video window

Stop all videos: Stop all windows video

Clear Data: Clears the current focus window memory video channel information

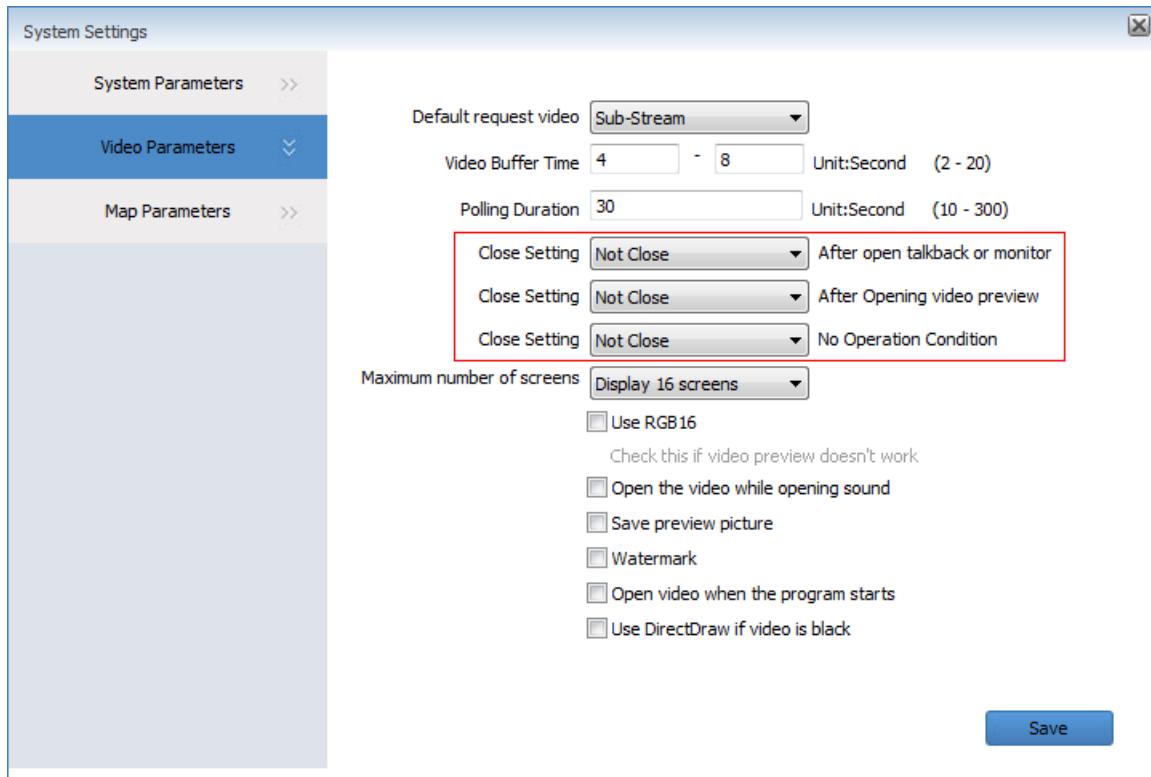
Clear all Data: Clears the current focus window memory video channel information

5.4.2 Video Auto Close

To avoid to forget turn off video and cause waste network traffic, the function of "close setting" parameters can set the time auto chose video view.

A. First to click "other", then click "system setting"

B. Select "video parameters", then click "close setting", open the window, as follow Fig.ture



System parameter

Language: Chinese, English, Chinese Traditional, Turkey, Thai, Portuguese, Russian, Spanish, Bulgarian, Arabic, Romanian

UI style: default(gray), blue

Image capture: set the path of saving images.

Loss time: default(72 hours), off live 72 hours of the device is named loss time, you need to check weather the device is damaged.

Video parameters

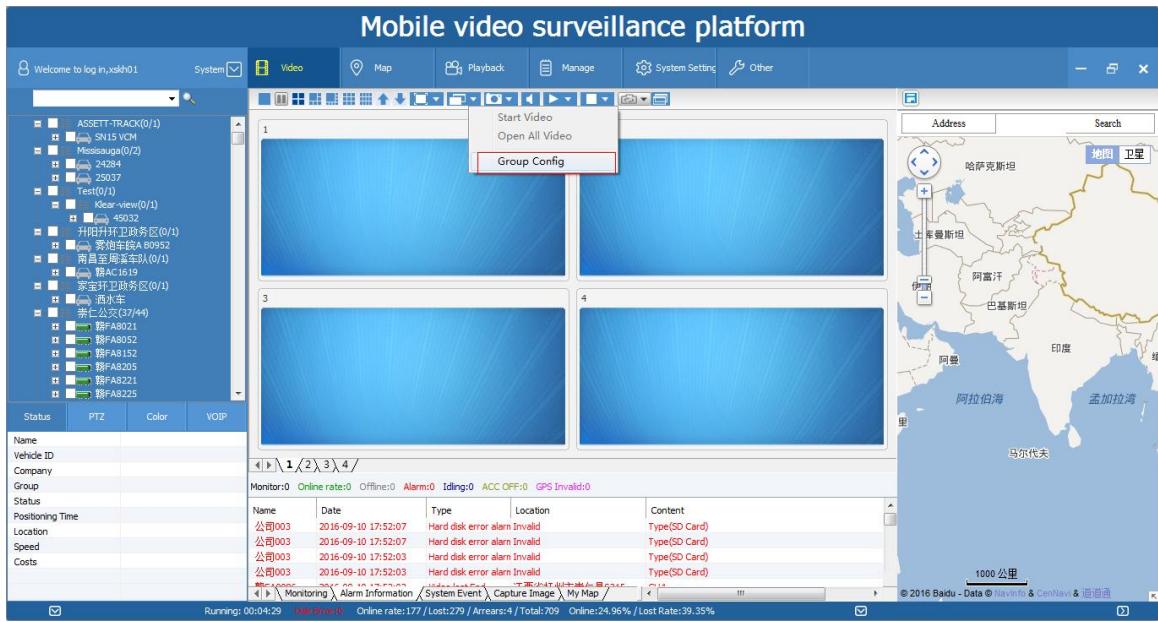
Time of Request video, set the time of the request channel video

Close intercom and monitor: set when to close the intercom and monitor

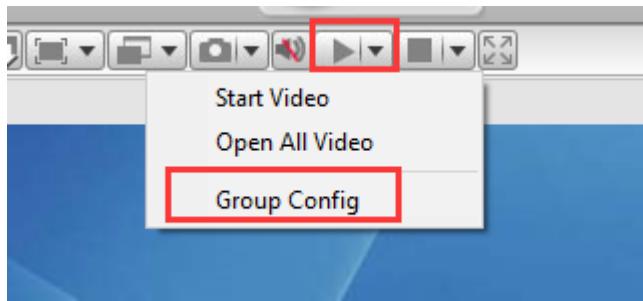
Close video: Set the client automatically shut down when the real-time video preview

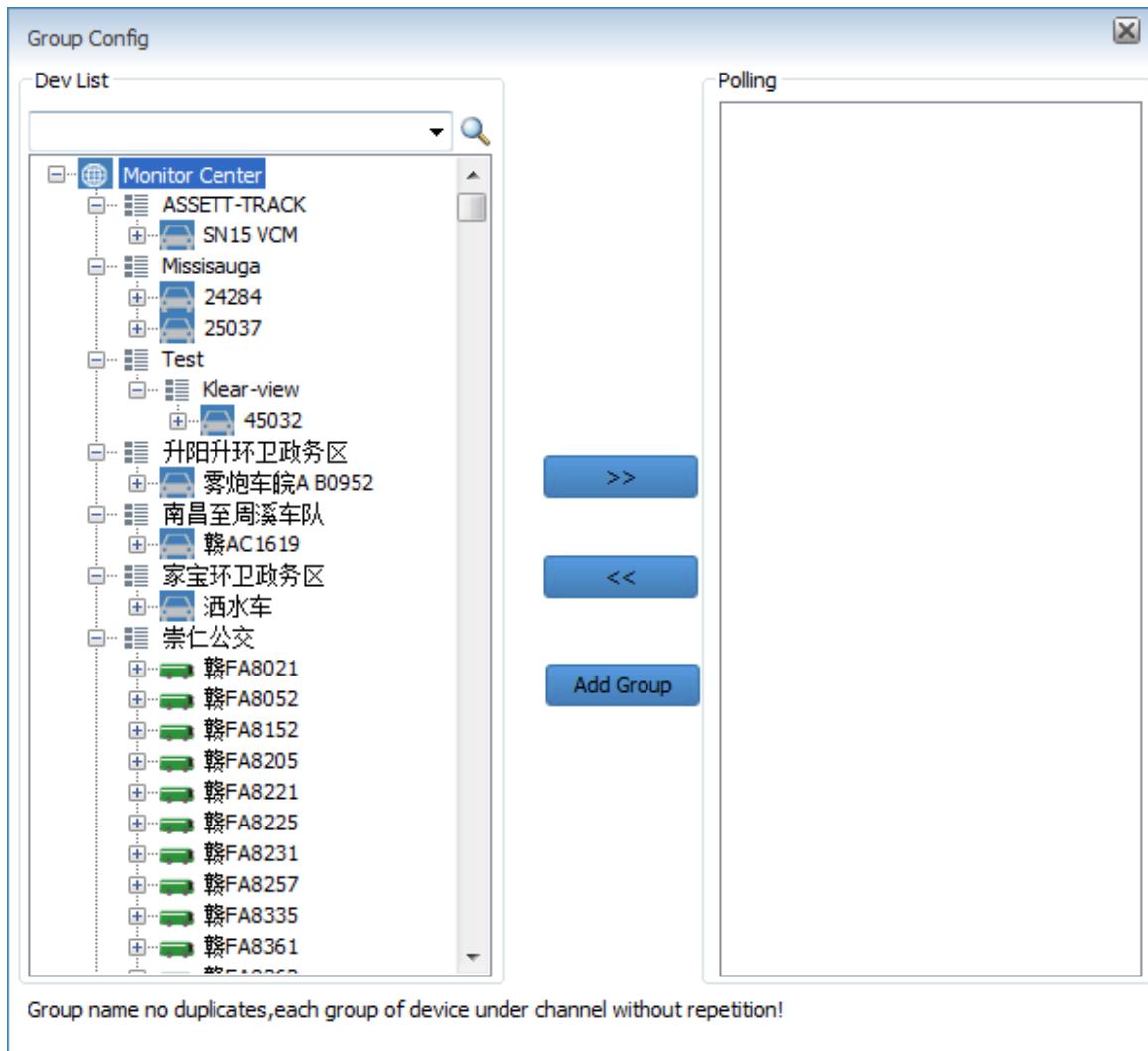
5.4.3 Video carousel

1. Click on "video carousel", then click "Group config"

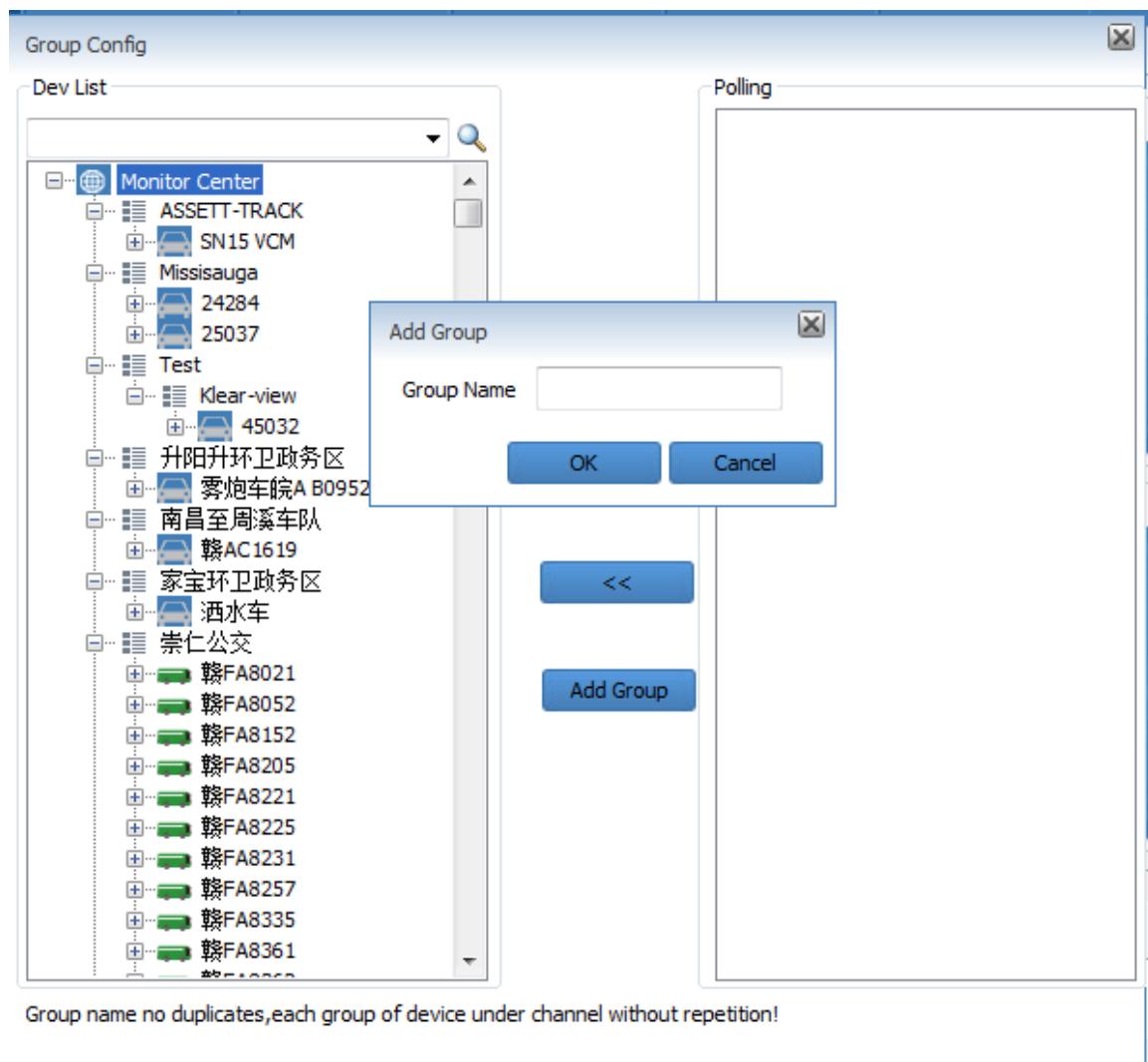


2. Click on "group config" pop up "group config" window, as follow

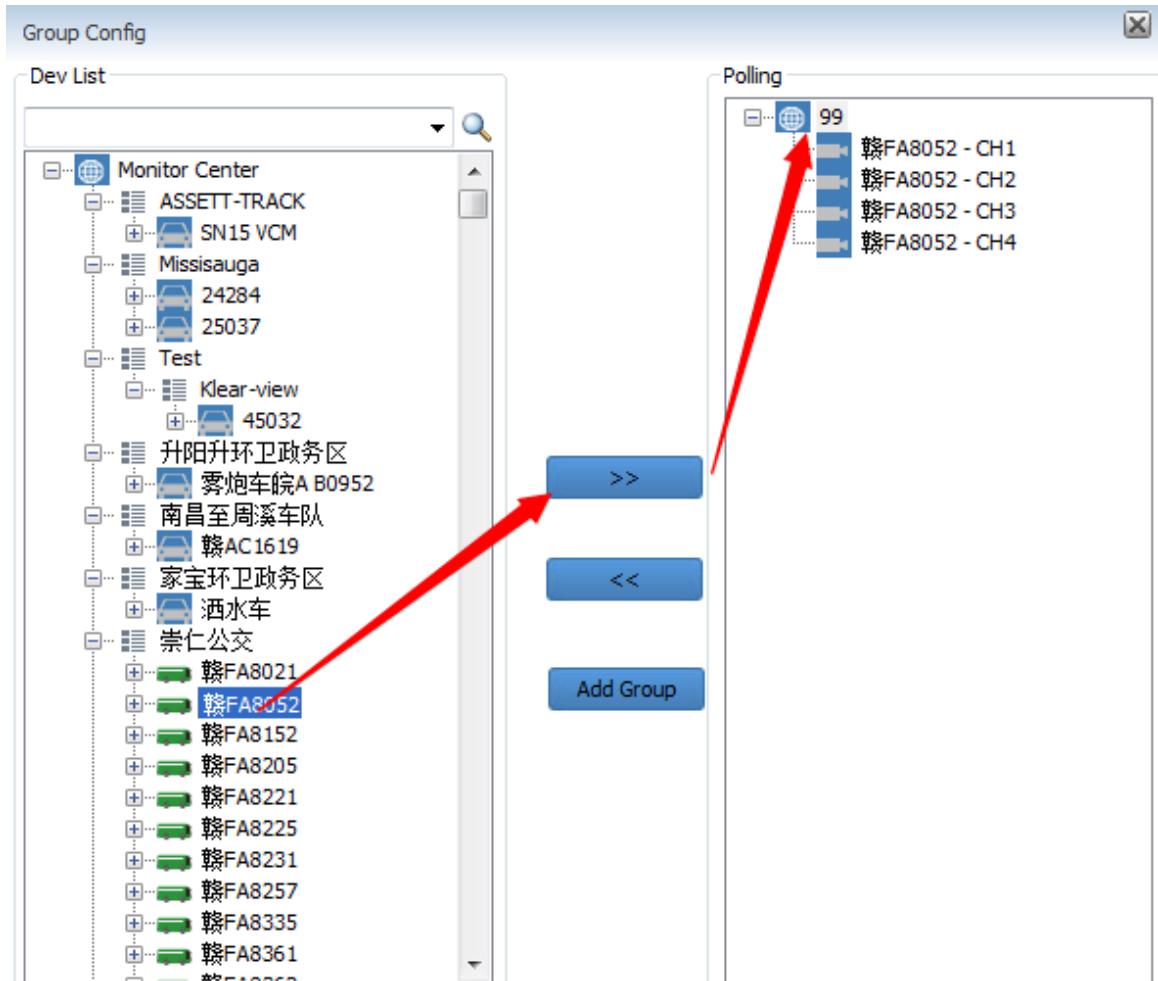




3. Click on "add group", write the name of group

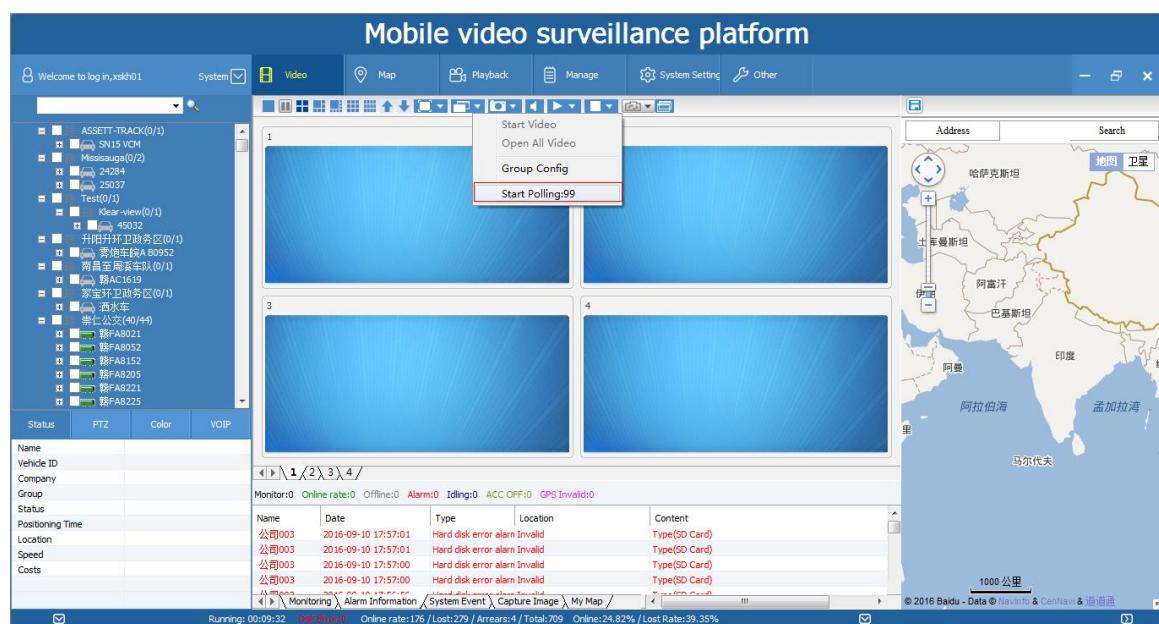


4. Select the devices that you want to assign, click >>, adding the devices successfully, as follow Fig.ture

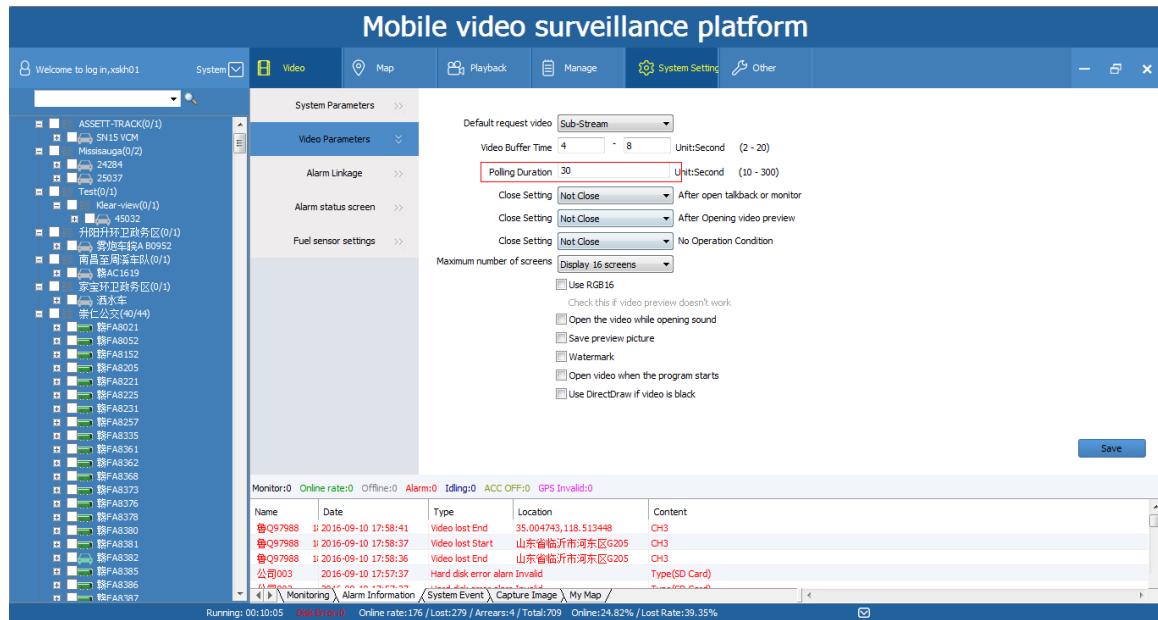


Group name no duplicates, each group of device under channel without repetition!

5. Select the node or select a channel, drag it to the video playback window, start playing round



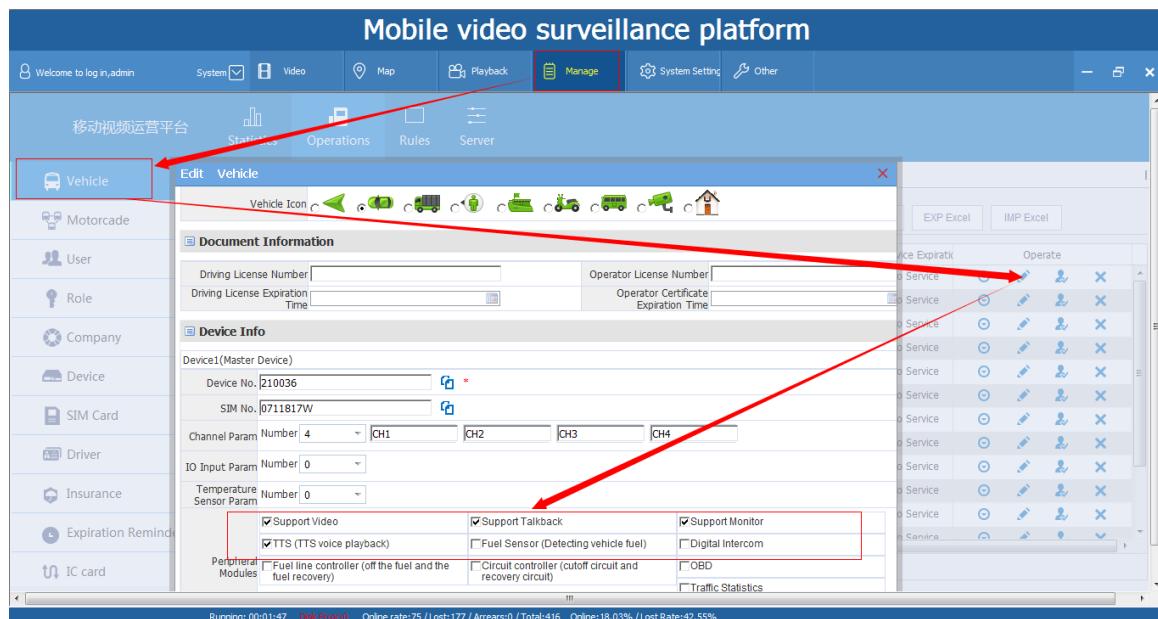
The video polling default interval is 30-second, and you can set the parameter in the "system setting".



5.5 VOIP, Intercom, Monitor, Broadcast

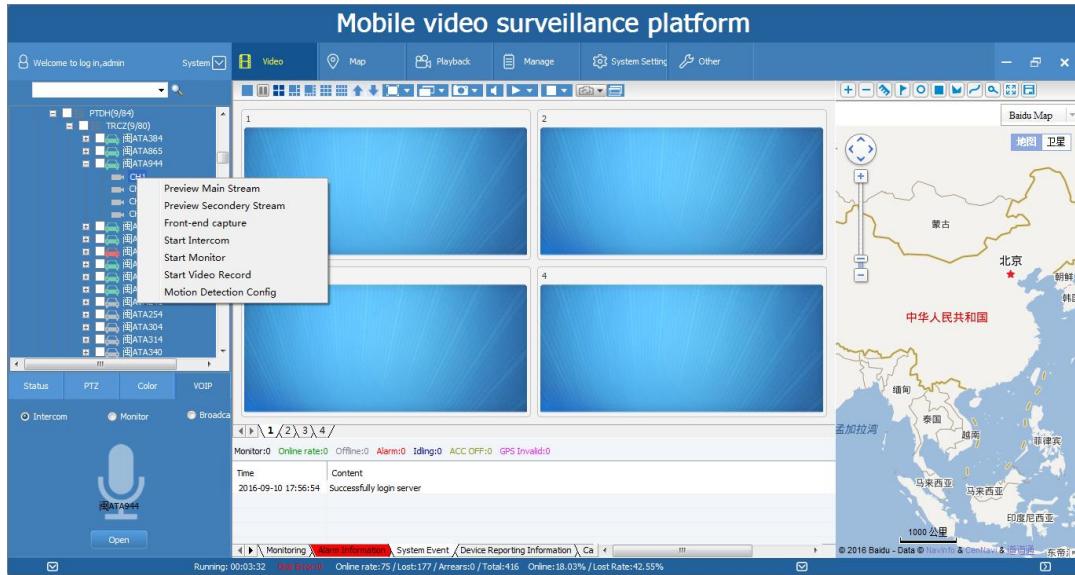
You can intercom and monitor the devices which assign to your account in the client.

Prerequisites To have intercom device , while the peripheral module in the device information on the check

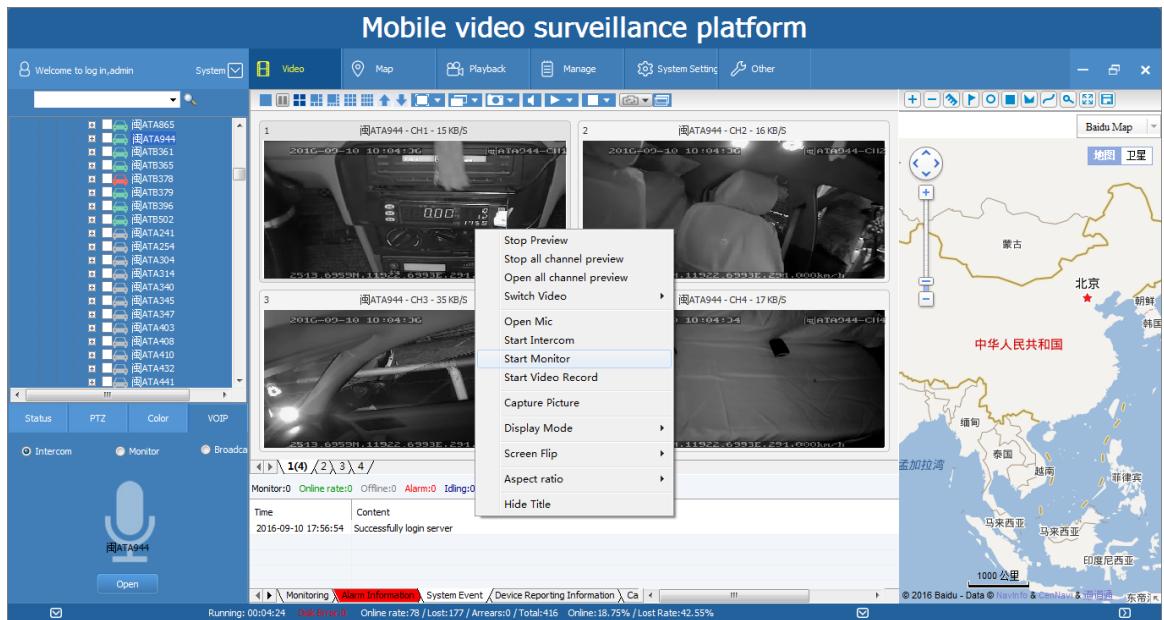


5.5.1 intercom

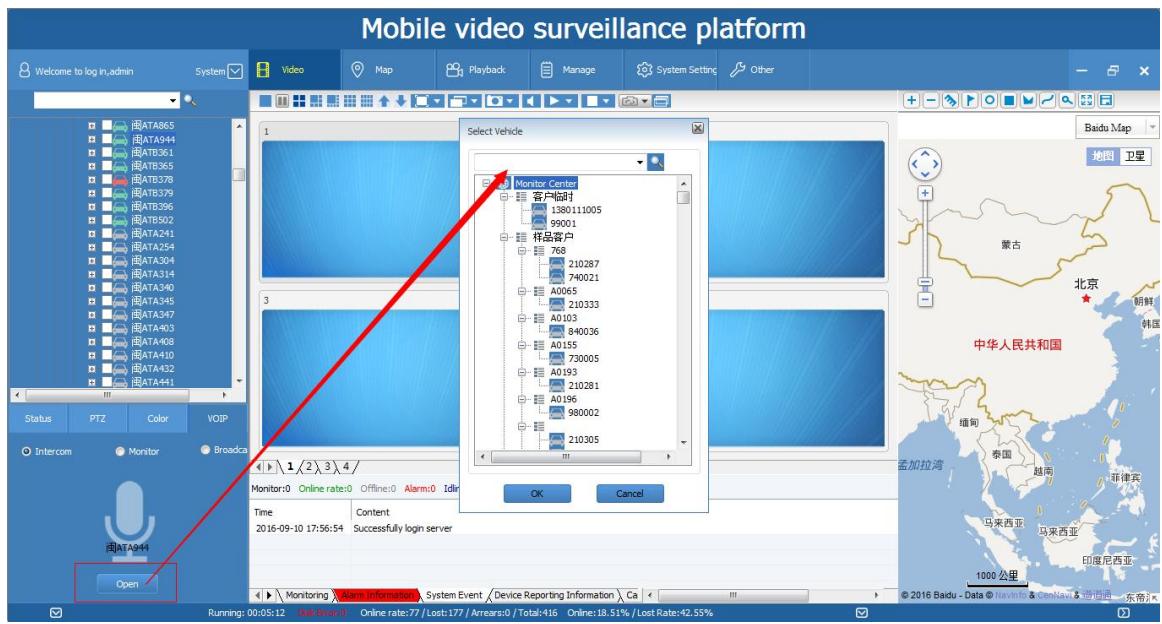
A. Select the terminal list to the talkback channel device, right-click the menu that appears select "start intercom"



B. Open Real-time video preview device, right click, appears menu can also be open intercom

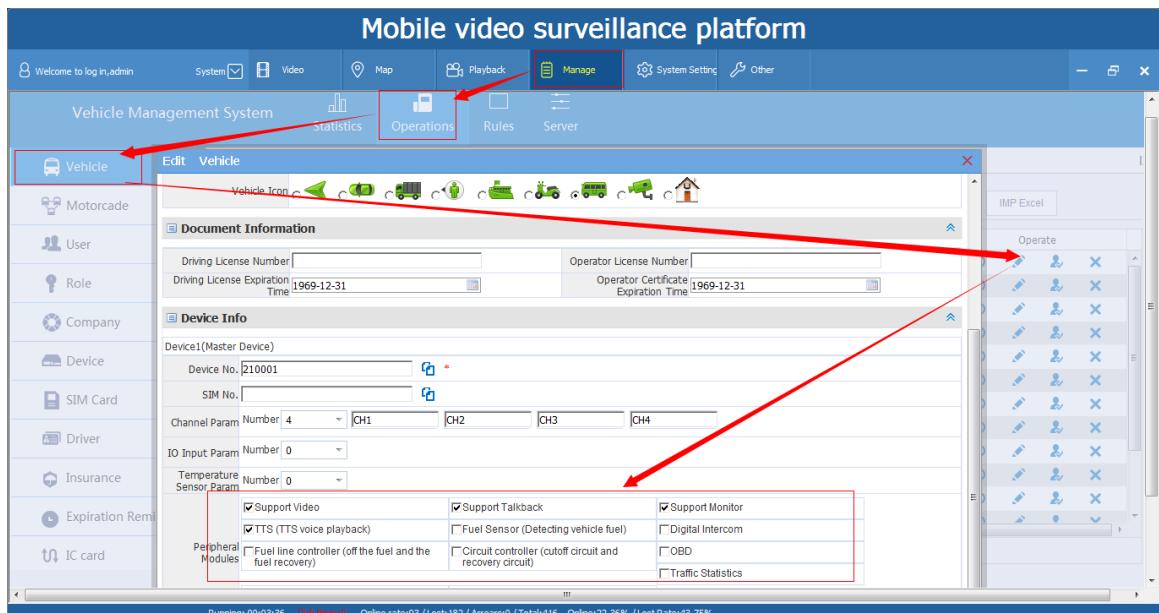


C. First election intercom function, go to select the device



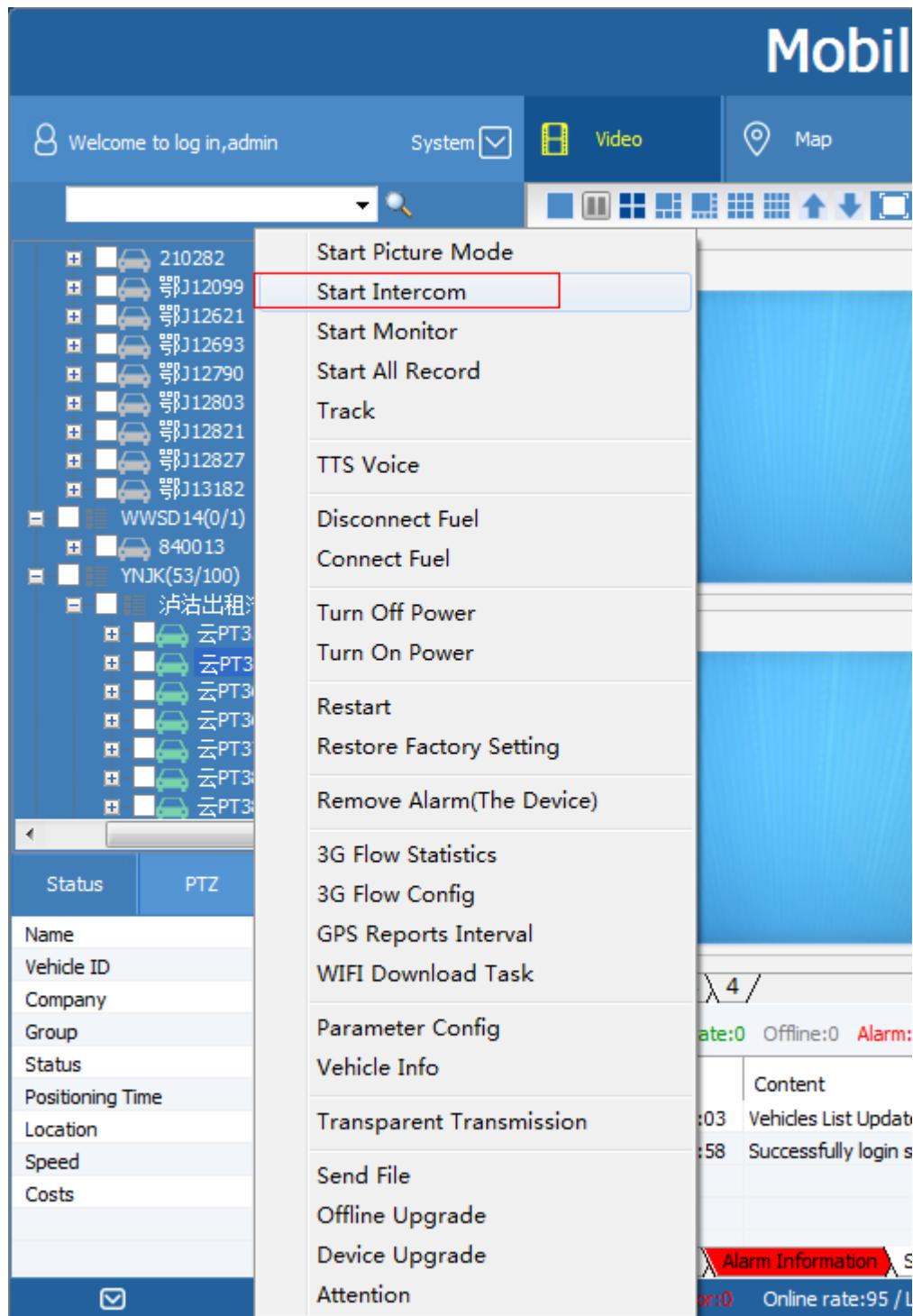
5.5.2 Digital intercom

Prerequisites To end digital equipment intercom equipment, while the peripheral module in the device information on the check.

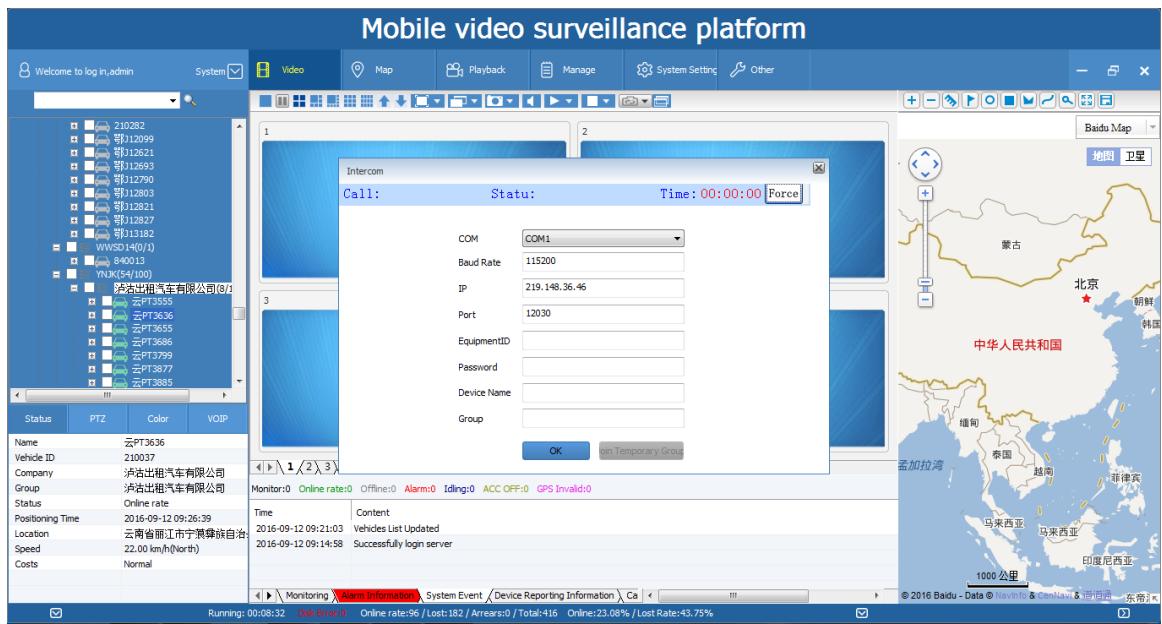


1) client-side digital intercom operation

Select the device, right click, click on "start intercom"

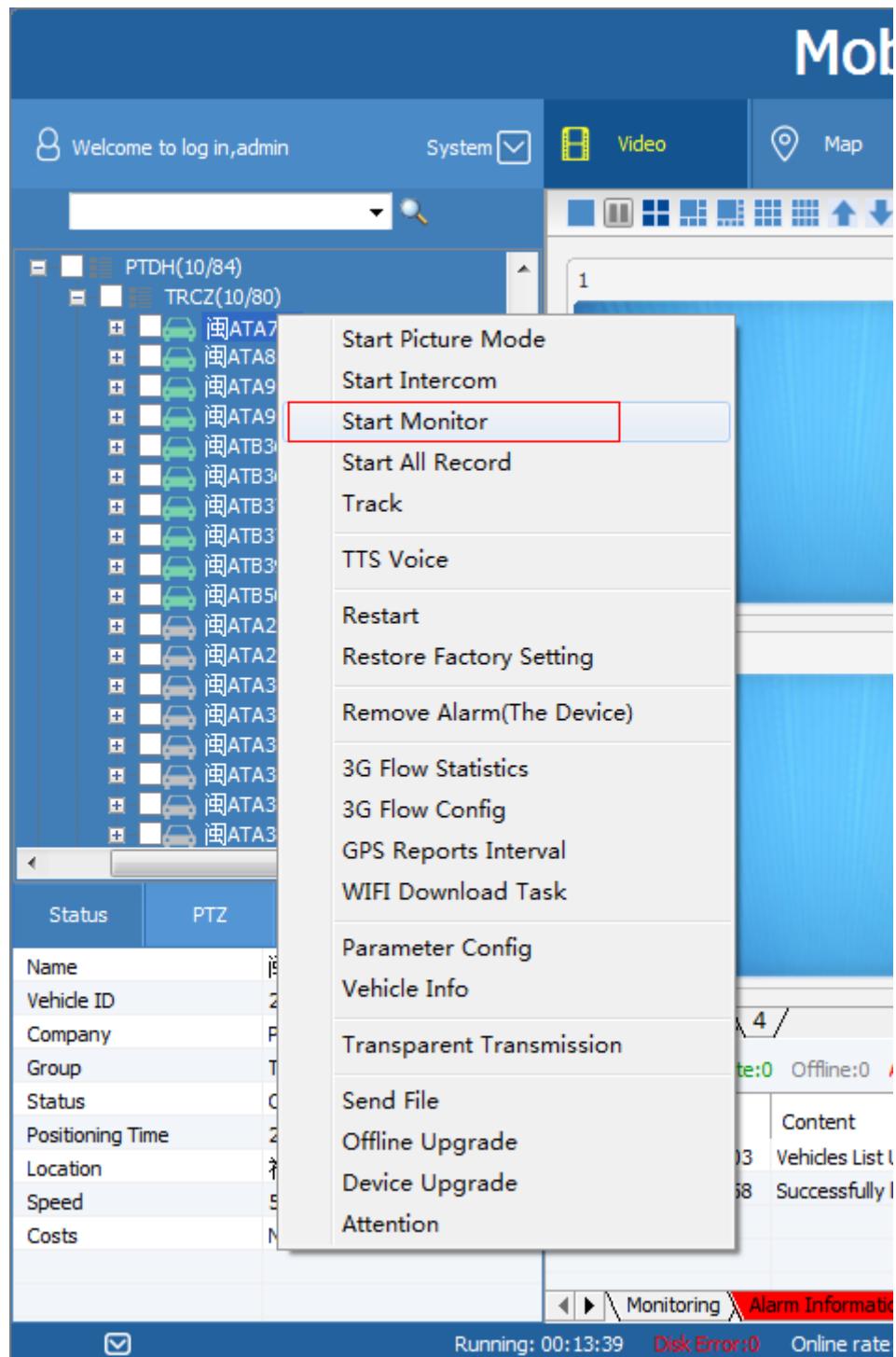


Digital intercom page

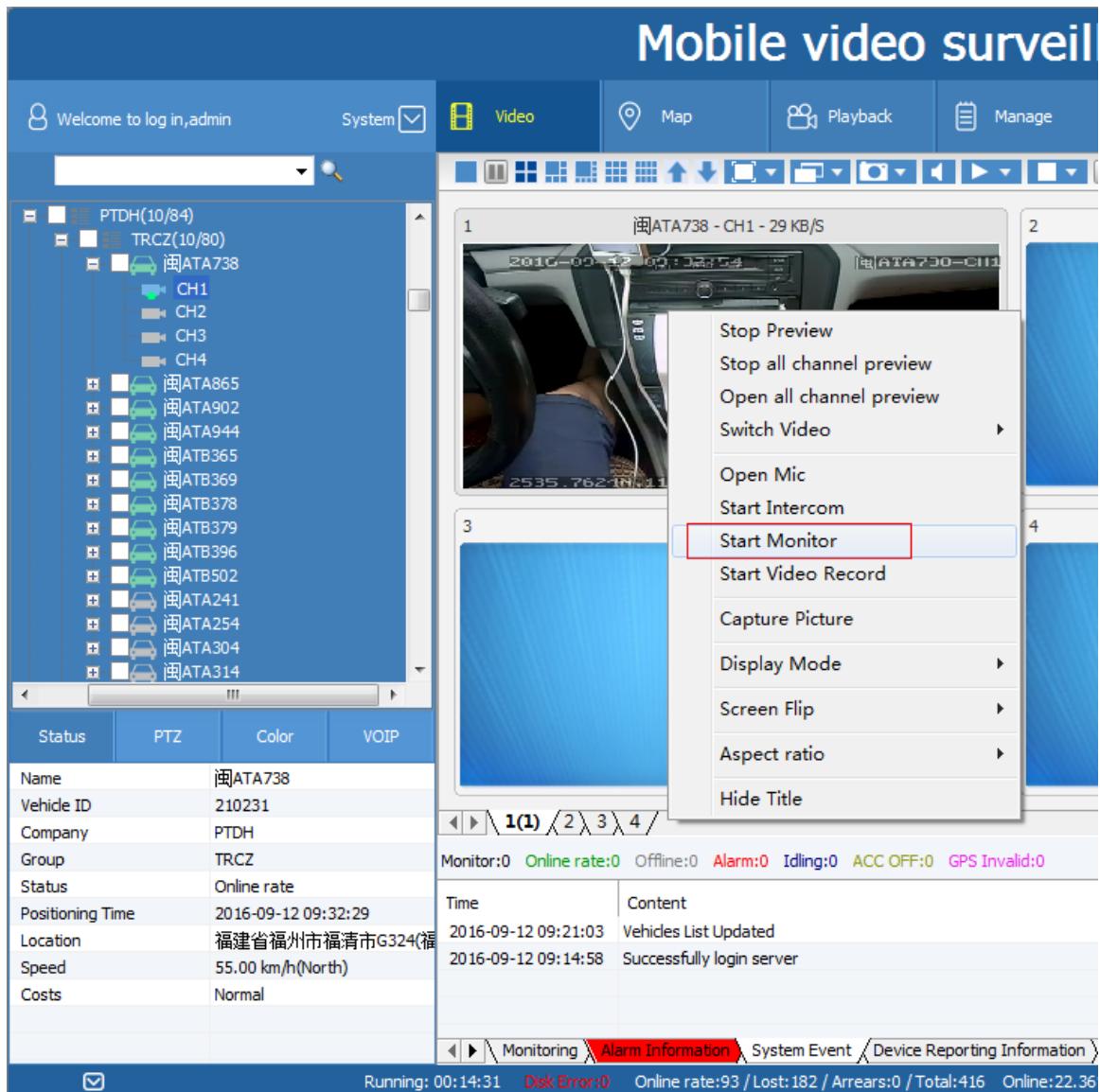


5.5.3 monitor

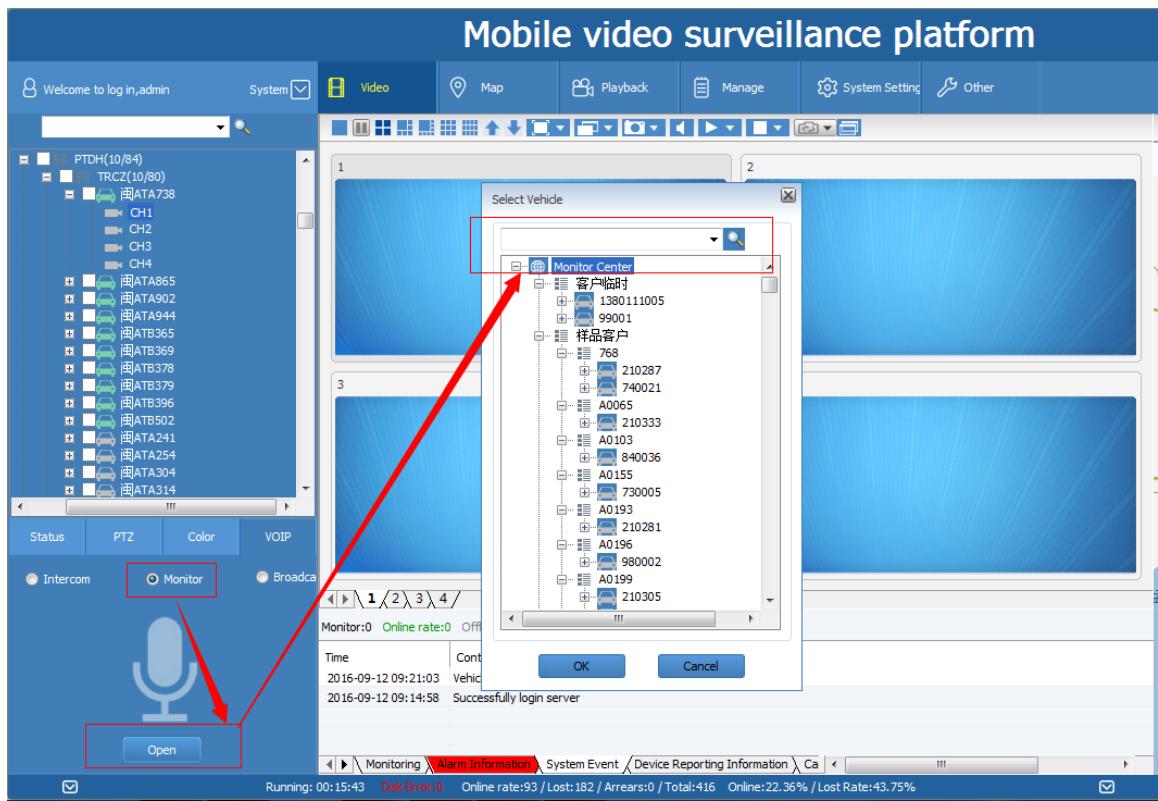
A. Select the device which you want to monitor, right-click select the menu “star monitor”



B. Open Real-time video preview device, right click, appears menu can also be open to monitor

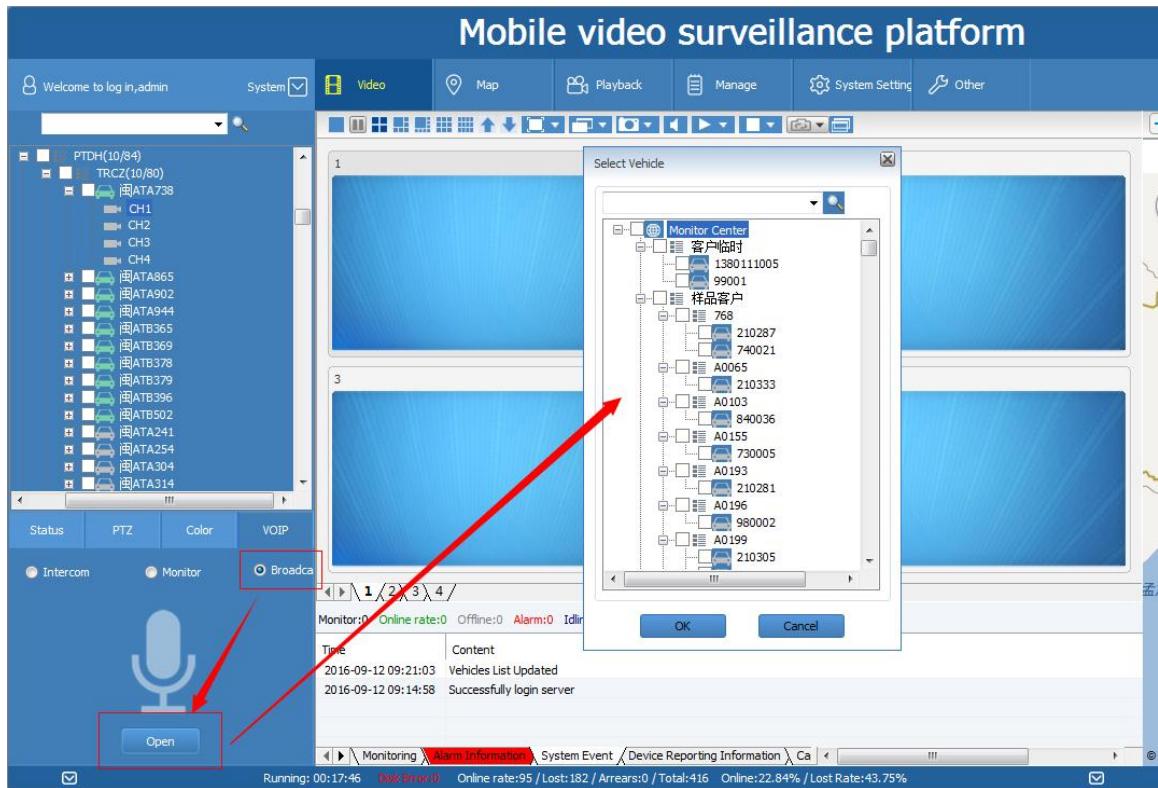


C. First election monitoring function, go to select the device



5.5.4 broadcast

- 1) Select the device which need to broadcast



5.6 playback

The user can specify a device in accordance with the conditions specified track seek, and according to the need for export operations related data



Distance: The interval distance of GPS point, if it is 0, it means do not choose the pitch, the system default data uploaded GPS point every 10 seconds intervals.

parking

0 : All parking gps point of all of the search are displayed

Non-0: If continuous gps parking spots, you just pass a final stopping point gps data to the display platform

Mileage: The current day's total vehicle mileage

Show

Time: If checked on, the vehicle will each GPS point (select every pitch on behalf of a GPS point) of the time display on the right side of the map

Speed: If the check is displayed on the right side of the map for each vehicle GPS points (every selected gap represents a GPS point) travel speed

Speed: The speed control track playback

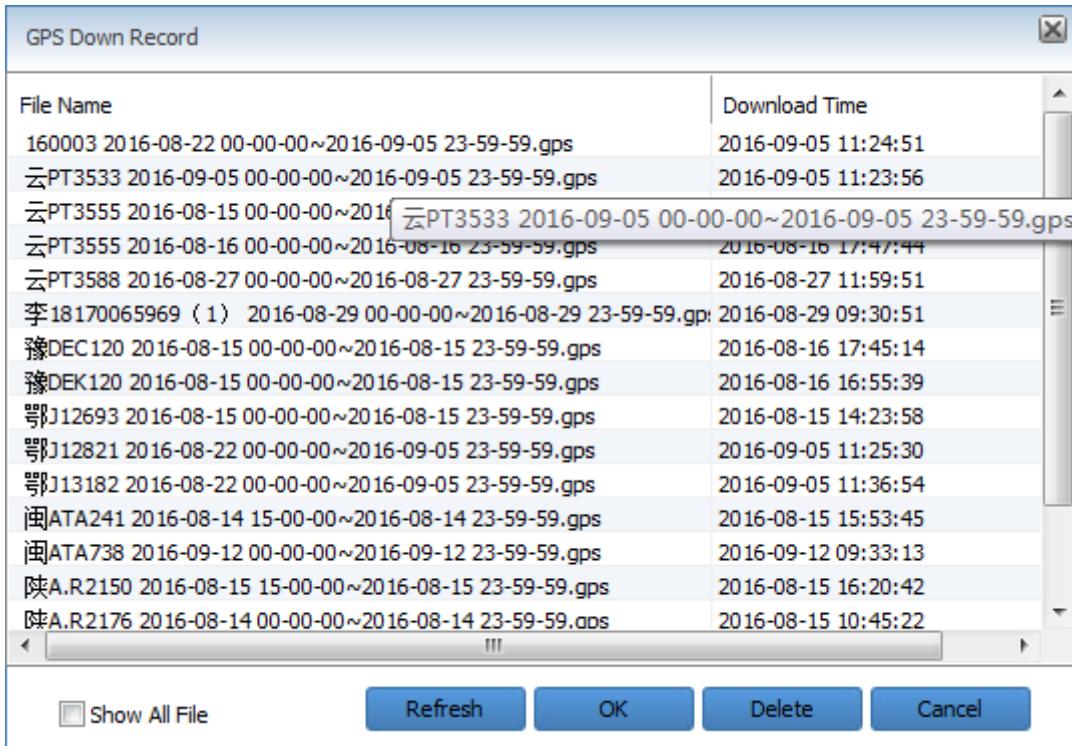
position:

- Line: the white line to blue line, representing the trajectory data download progress
- Drag the button: the track playback progress

ICON	Features

	Open or pause track playback
	Stop track playback
	Delete the GPS track
	Export search GPS track to Excel
	Add the search trajectory into line
	Searched track history list

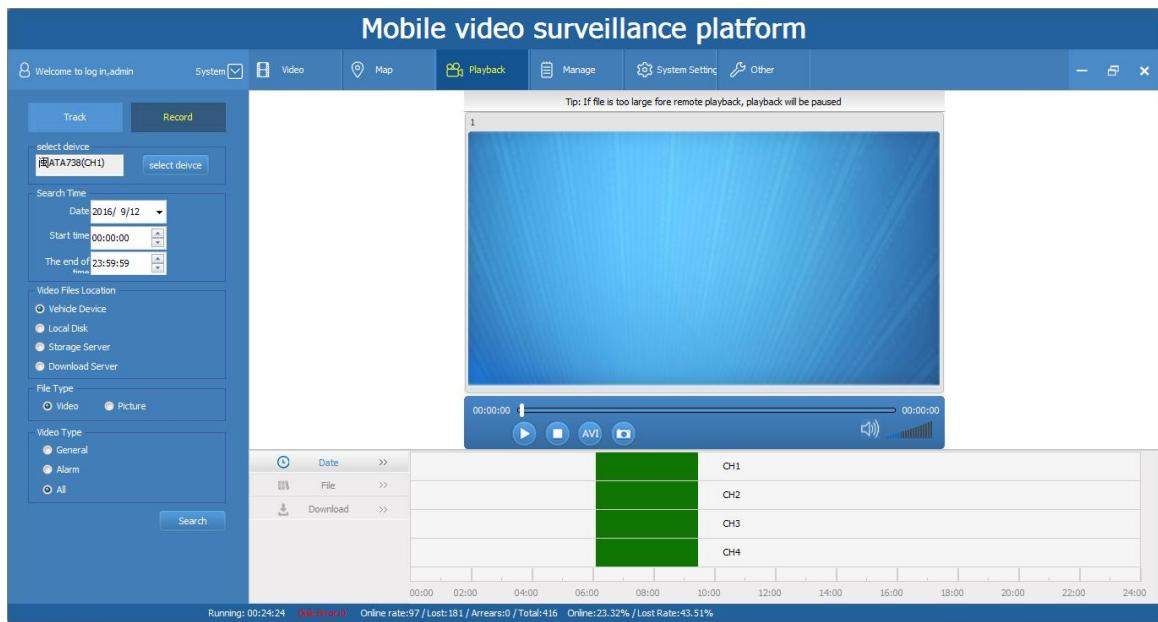
Click on “FILE”



5.7 search history video and playback

5.7.1 search history video

Chick on “Record” on the top of soft, as follow Fig.ture



Video file location

Vehicle device: search video from the device SD storage or from hard disk.

Local disk: Search manual recording to your local computer and have been downloaded to the local video file

Storage server: Device configuration storage plan, to search the recorded video files stored on the server

Download server: Search video files on the download servers

File Type

Video: video file

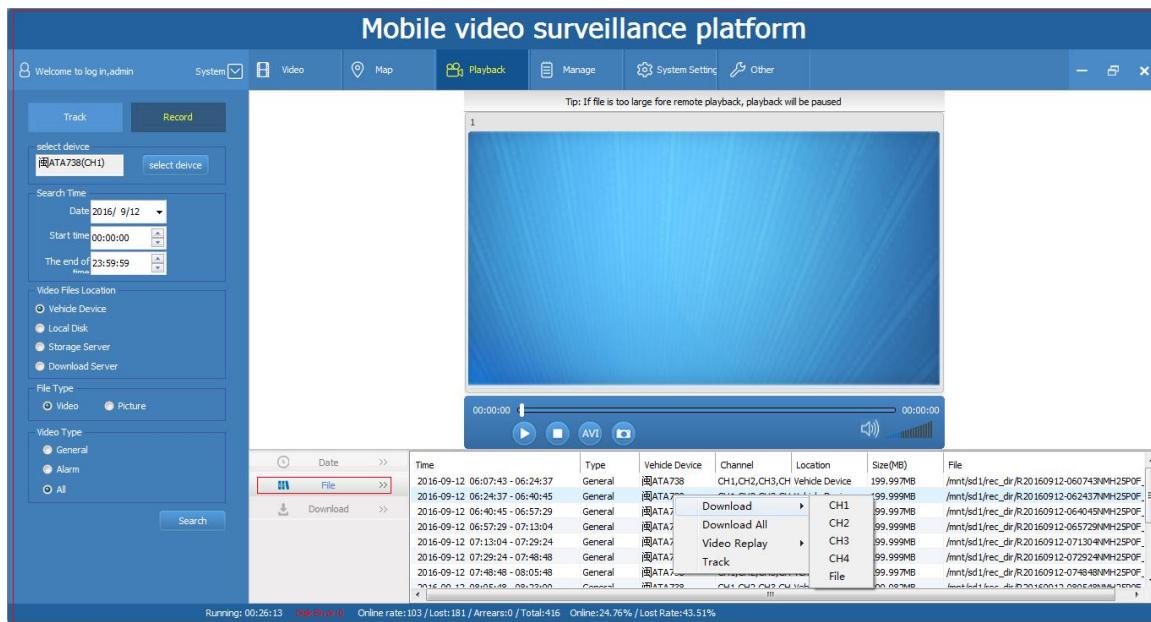
Fig.ture: On the storage server snapshot Fig.ture

video file

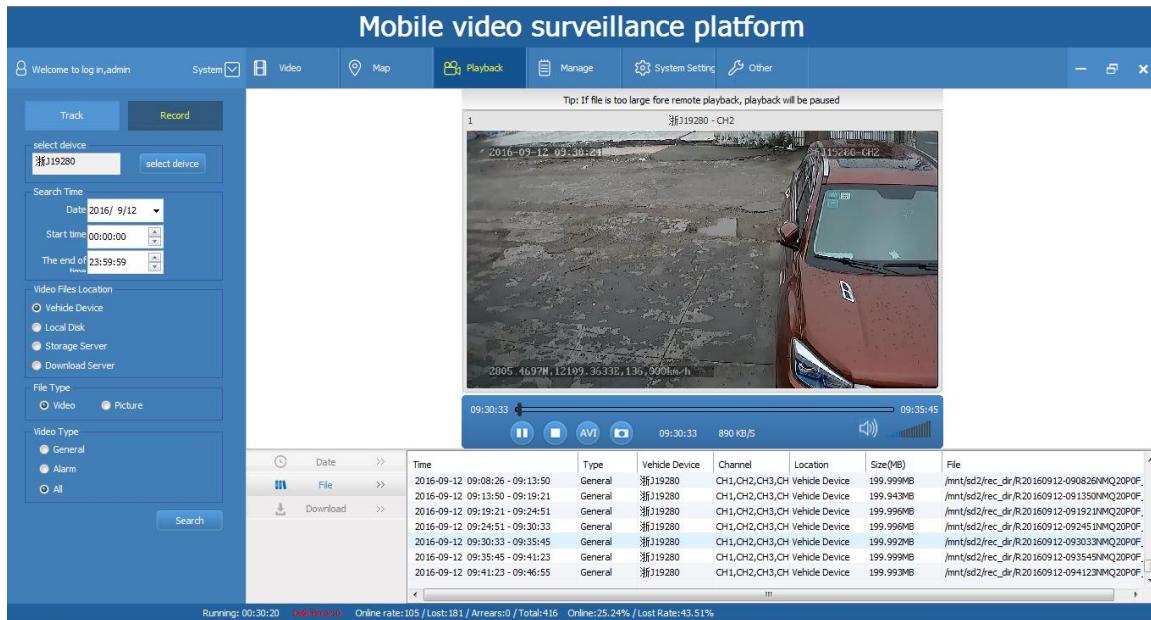
There are three kinds of video: general video, alarm video, all video

5.7.2 Video playback

Specify the search criteria, the bottom there is a list of files to search, as FIG.



After selecting a channel file, right-click, the pop-up menu, click "Playback", as shown



图标功能介绍：

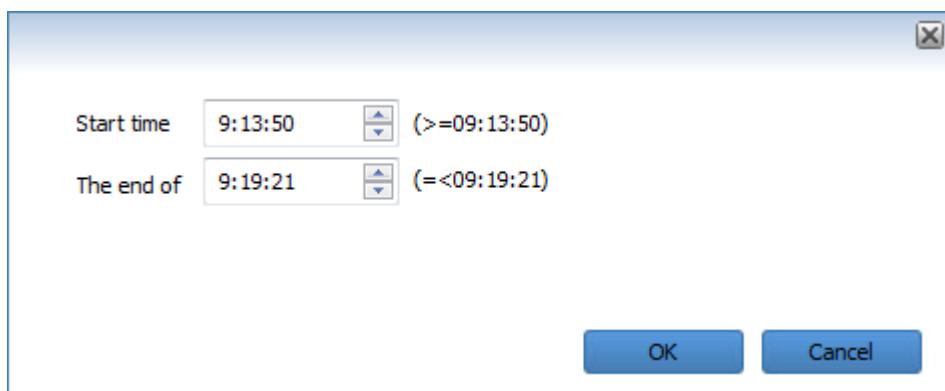
Icon	Features
	Pause playback
	play

	Stop playing
	Image capture
	Sound Control

5.7.3 download video

0:32:55 Disk Error:0 Online rate:108 / Lost:182 / Arrears:0 / Total:416 Online:25.96% / Lost Rate:43.75%

Select a channel file, right-click, the pop-up menu, click "Local Download" (press ctrl key or ctrl + shift key combination for multiple selections)



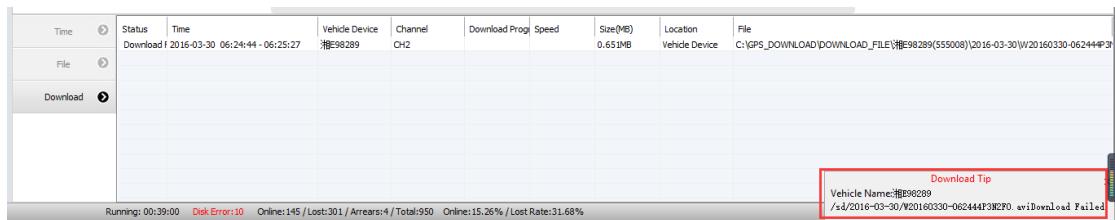
1. Download and other operations

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

Pause, delete, download, download path settings

Note: The file is packaged, it is not to download, but you can remote playback. Download is already packaged only download video files.

download failed



When the download files are too larger or the speed is slow, it will affect the progress of the download files. or even download fails. The video file is not completely downloaded situation also can play (play downloaded video length length).

In case the user does not exit the client list, right-click download menu "continue to download", you can continue to download the video.

5.8 set message to terminal device

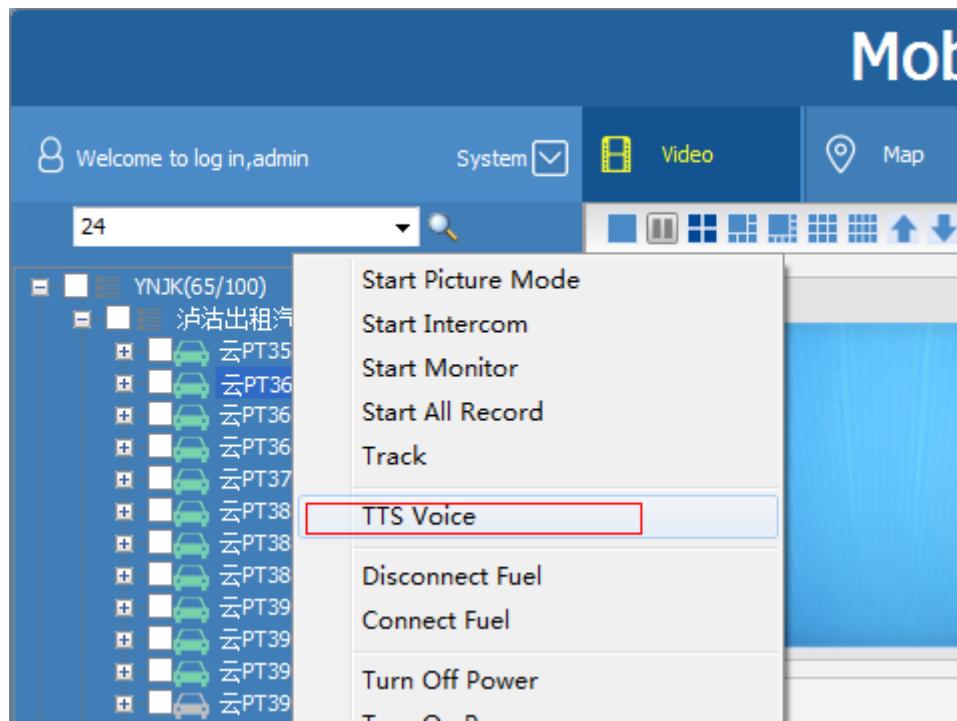
5.8.1 Vehicle Information Management Open TTS voice function

The screenshot shows the 'Edit Vehicle' dialog box. It has tabs for 'Edit' and 'Vehicle'. Under 'Vehicle', there is a 'Vehicle Icon' section with various icons. Below that are two sections: 'Document Information' and 'Device Info'. In 'Device Info', there are fields for Device No. (210037), SIM No. (0711758W), Channel Param (Number 4, CH1, CH2, CH3, CH4), IO Input Param (Number 0), Temperature Sensor Param (Number 0), and a table for Peripheral Modules. The table includes checkboxes for Support Video, Support Talkback, Support Monitor, TTS (TTS voice playback) (which is checked), 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, and TaxiMeter. The 'TTS (TTS voice playback)' checkbox is highlighted with a red box.

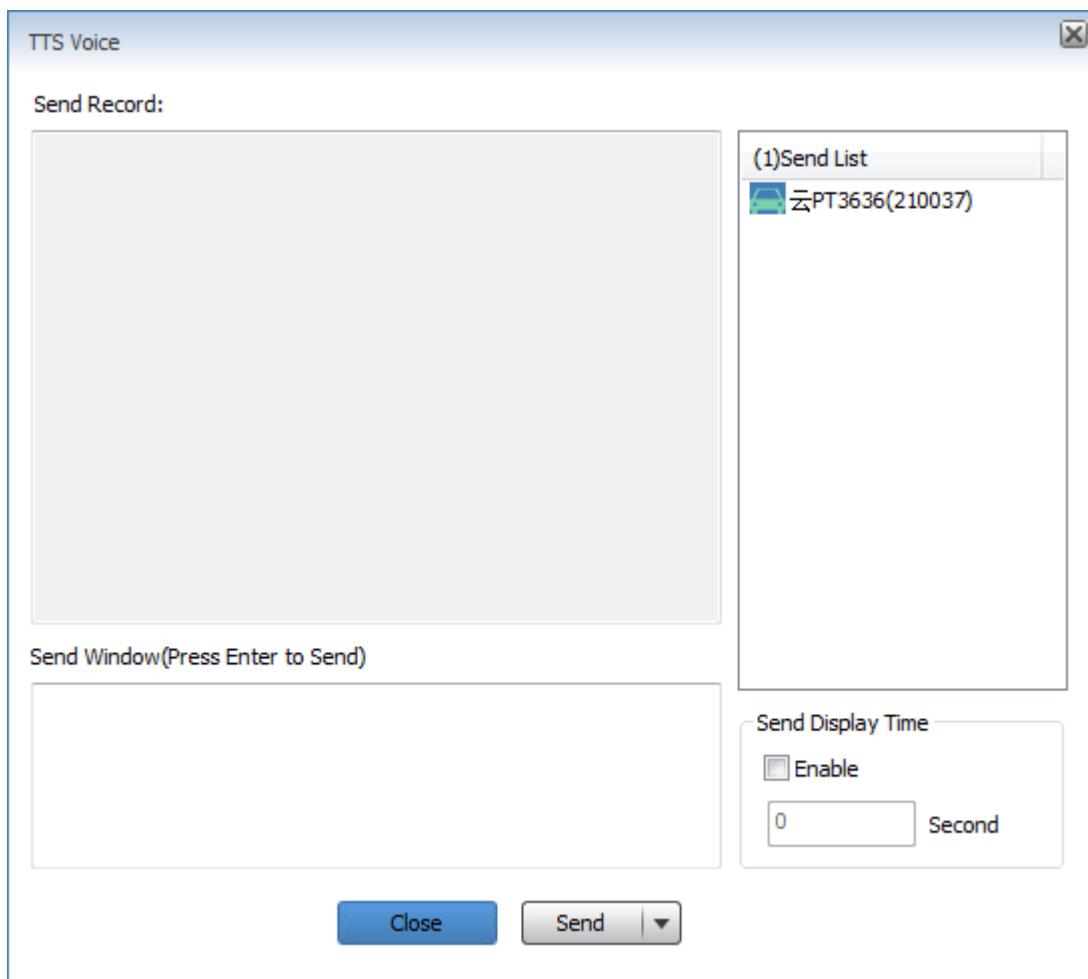
5.8.2 send message to device operation in the client

- document by sending a single device

Select the device, right-click, and select "TTS Voice"

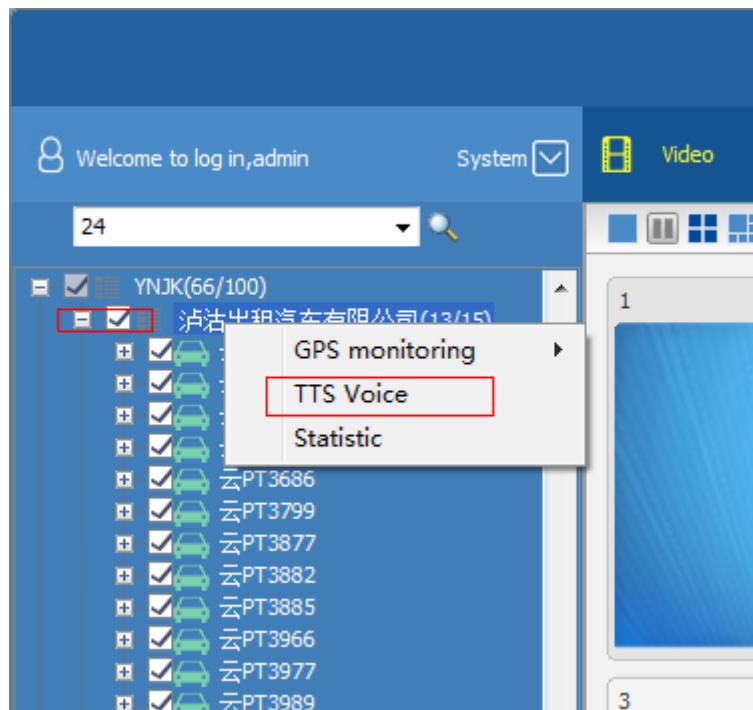


Send TTS voice, as follow Fig.figure



- multiple devices at the same time send the file

Select packets or select the "control center", right-click to open the menu "TTS voice"



5.8.3 Report issued detailed reports information inquiry

Short information issued in the report can also query the time and content information

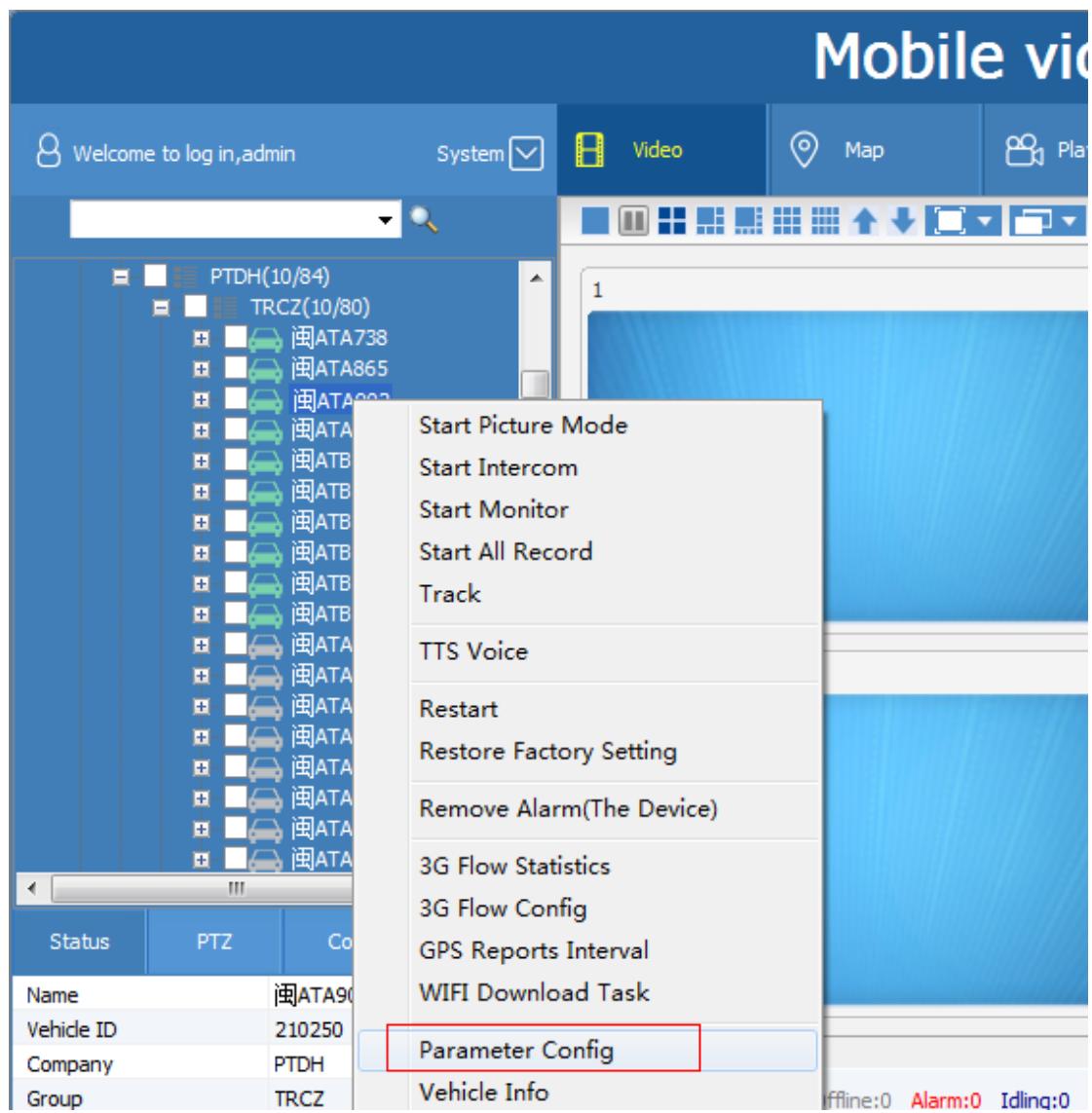
The screenshot shows the 'Mobile video surveillance platform' interface. On the left, there's a sidebar with various reporting options. The 'Issued Info Detail RPT' link is highlighted with a red box and a red arrow points to the main content area. The main content area displays a table titled 'Issued Info Detail RPT' with one record. The table columns are 'Index', 'User', 'Plate No.', 'Plate Color', 'Time', and 'Command'. The data in the table is:

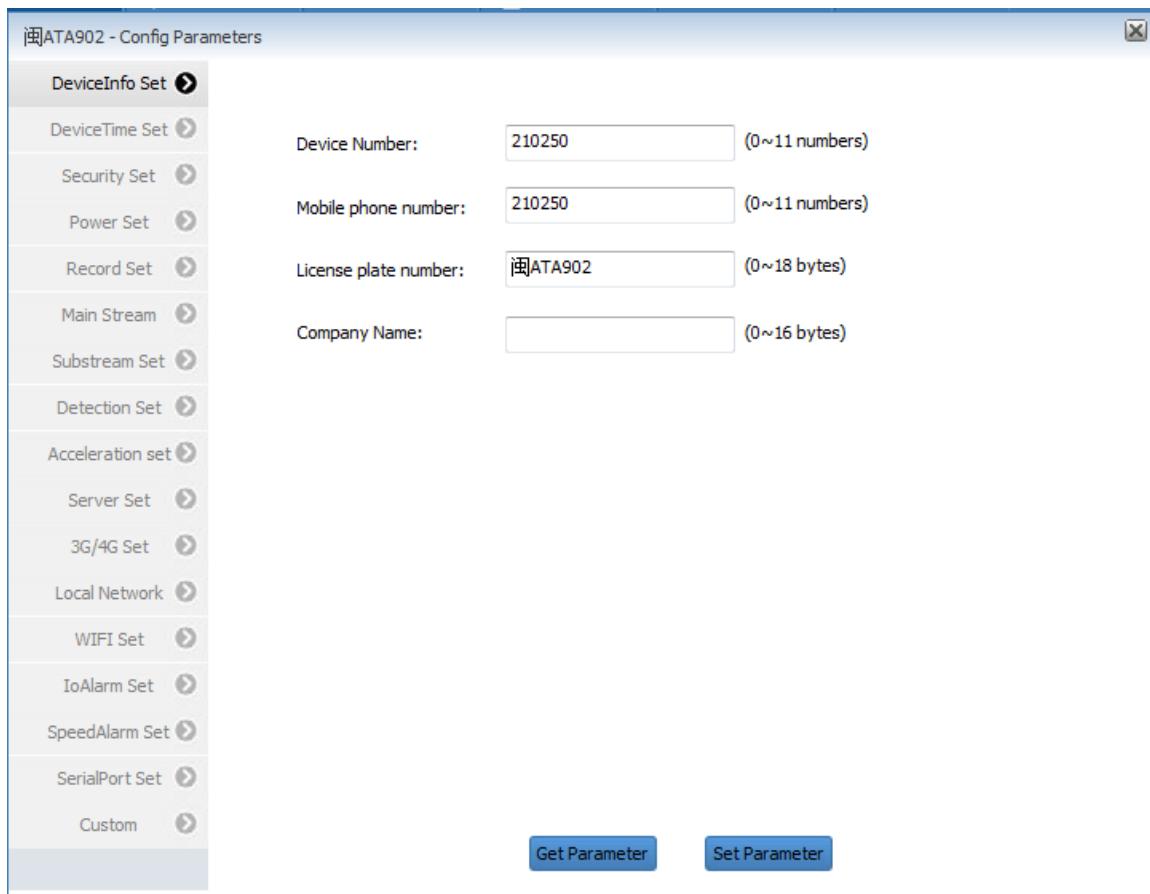
Index	User	Plate No.	Plate Color	Time	Command
1	admin	13	Yellow Card	2016-09-12 10:01:39	HELLO !!!

5.9 setting feature

5.9.1 Configuration parameters: Remote modifying device parameters

Right click, as follow Fig.ture

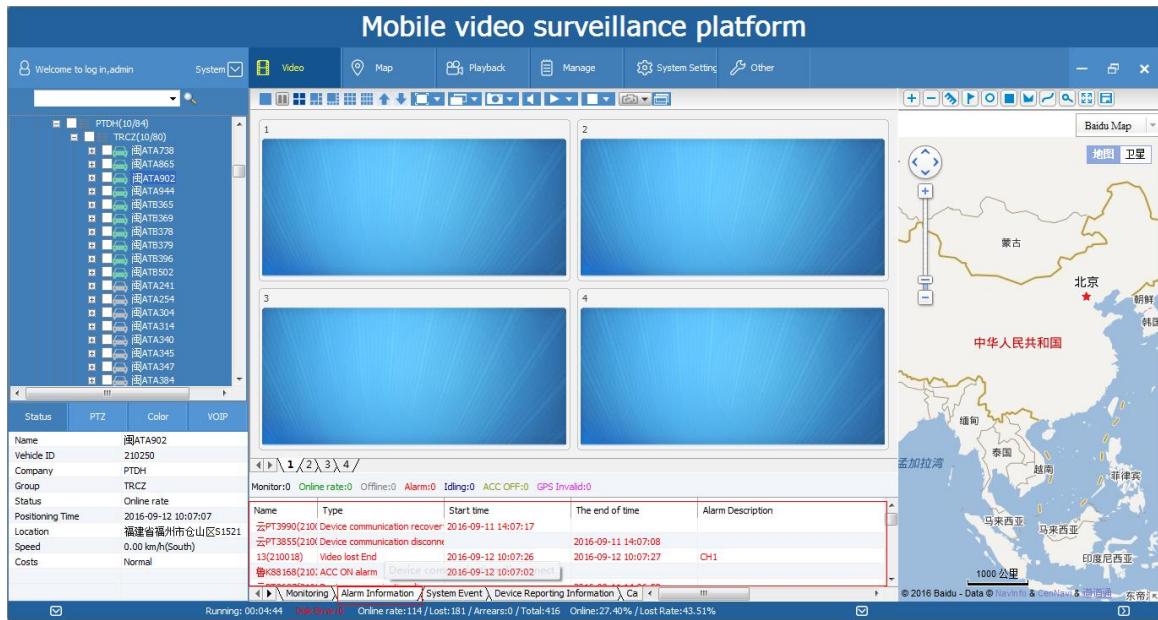




5.10 alarm

5.10.1 alarm information

Once the device has an alarm, the client "alarm" column shows the alarm list, as shown below



5.10.2 web alarm report query

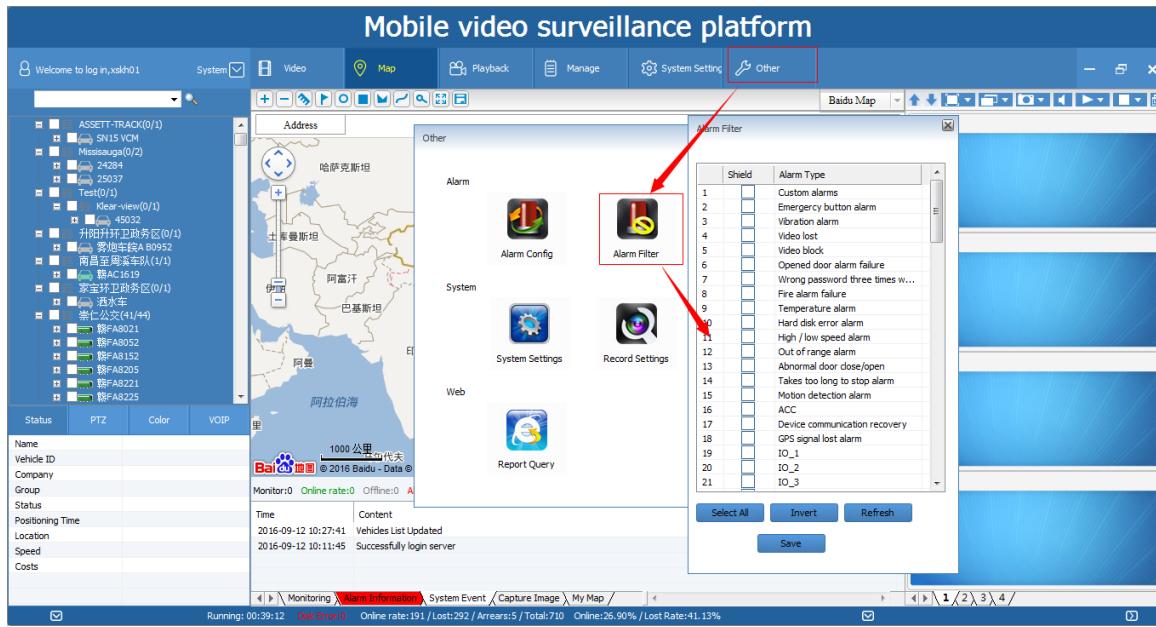
This screenshot shows the 'Manage' tab selected in the top navigation bar. In the sidebar, the 'Alarm RPT' section is highlighted. The main content area displays an 'Alarm Query RPT' table with columns for Index, Plate No., Plate Color, Alarm Type, Alarm Source, Start Time, End Time, Alarm Duration, Start Speed/KM/H, and End Speed/KM/H. The table lists 15 records of vehicle alarms from September 12, 2016. A red arrow points to the 'Alarm RPT' link in the sidebar.

5.10.3 Shielded alarm information

If you select the alarm list on the shield, the client "alarm" column will not have the alarm display.

A. Click on "Other", then click "Alarm Filter".

B. Click on "alarm filter" on the menu of "setting", open "alarm filter" window, as follow Fig. ture



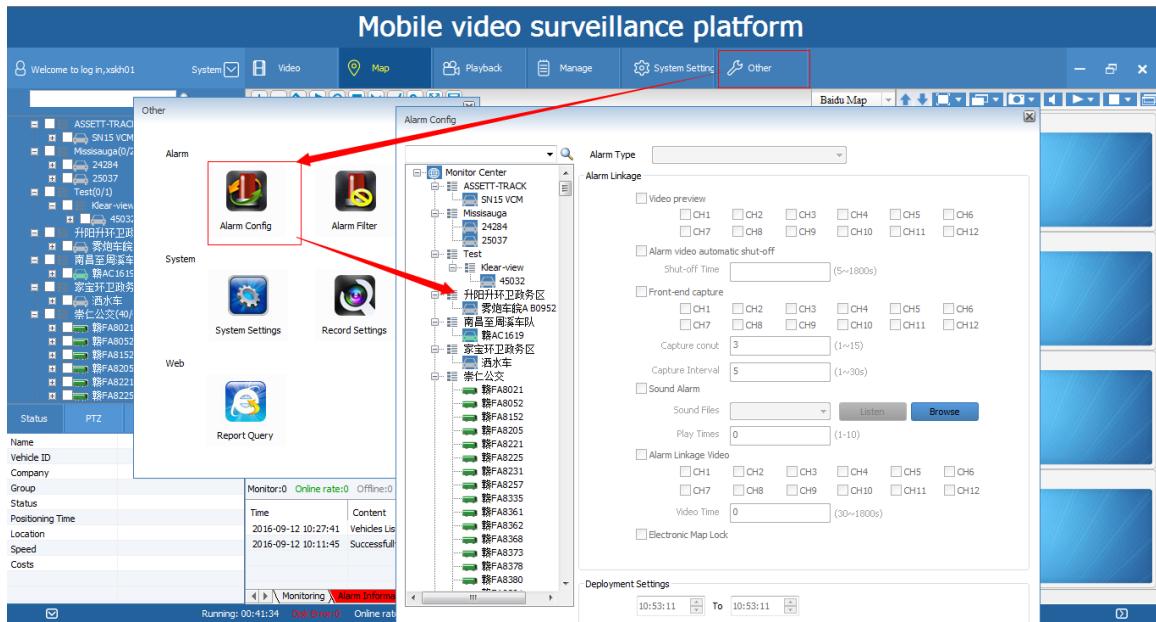
Check on the unwanted alarms.

5.10.4 Clients alarm linkage

The device alarm linkage function configure in the client, you can set to pop-up alarm video window, electronic maps lock and so on when the one or more type of alarm is on.

A. First to click “other”, then click “alarm config” .

B. Click “alarm config” in the menu of “setting” , then open the “alarm config” window, as follow Fig.ture



Open the default settings window alarm linkage, left panel functionality for uneditable, only under the selected device, the status of the right panel will become editable. Here you can set the alarm linkage for various types of equipment for each alarm.

Alarm Type: Select the alarm device associated with the alarm type (only device alarm type and alarm type set here is the same, will perform the operation).

Video preview: When an alarm, the device will pop up the video channel (stream type current version only supports sub-stream).

Front-end capture: When an alarm, the device will capture the front end of the channel image.

Sound alarm: Set the number of linkage alarm sounds and the Sound.

Play Rule: If you are playing alarm sound, then came a new alarm needs to play a sound, the sound playback stops before the alarm, change displays the latest alarm sounds.

Alarm linkage video: After the alarm linkage, alarm recording will be recorded on the local computer. sound.

Electronic map lock: When related equipment are changed, the device has been monitored in the map centered.

Deployment setting: After that time period enabled alarm linkage for the device to be effective.

Save: Save the linkage alarm device currently configured.

Save to other: the current alarm linkage configuration is saved to other devices.

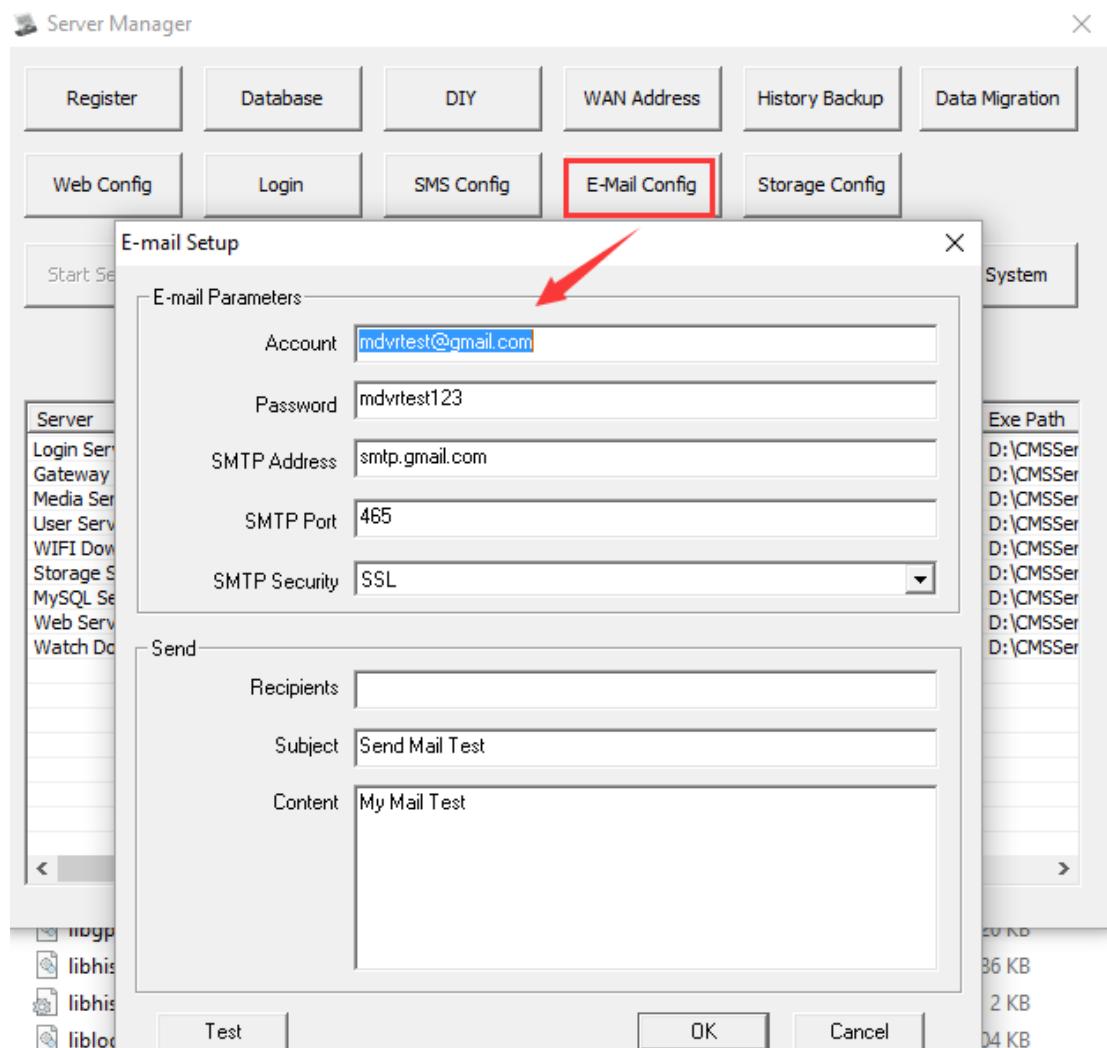
Save to default: the configuration settings for the alarm device is currently linked to the default configuration, linkage alarm device is not configured to load the default configuration.

Load default : the current device to load the default configuration.

5.10.5 Server alarm linkage

5.10.5.1 Configure e-mail server and SMS

1) Configuring e-mail

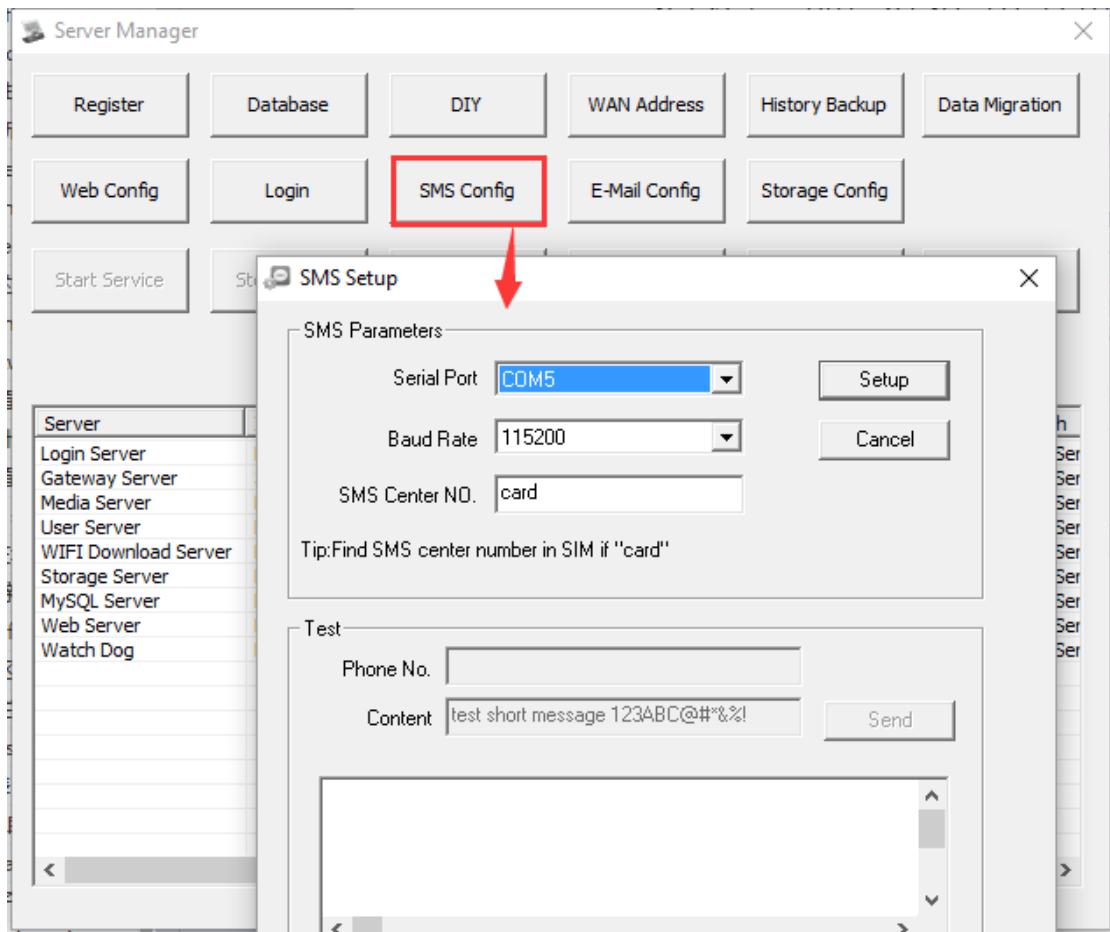


E-mail configuration:

The account and password is the email's.

Note: The use of overseas customers, you can not use the default e-mail, you need to fill out an application at a local mailbox and the mailbox password, and then restart the gateway server. Hong Kong to install the server, but also to replace the mailbox.

2) Configuration SMS Configuration



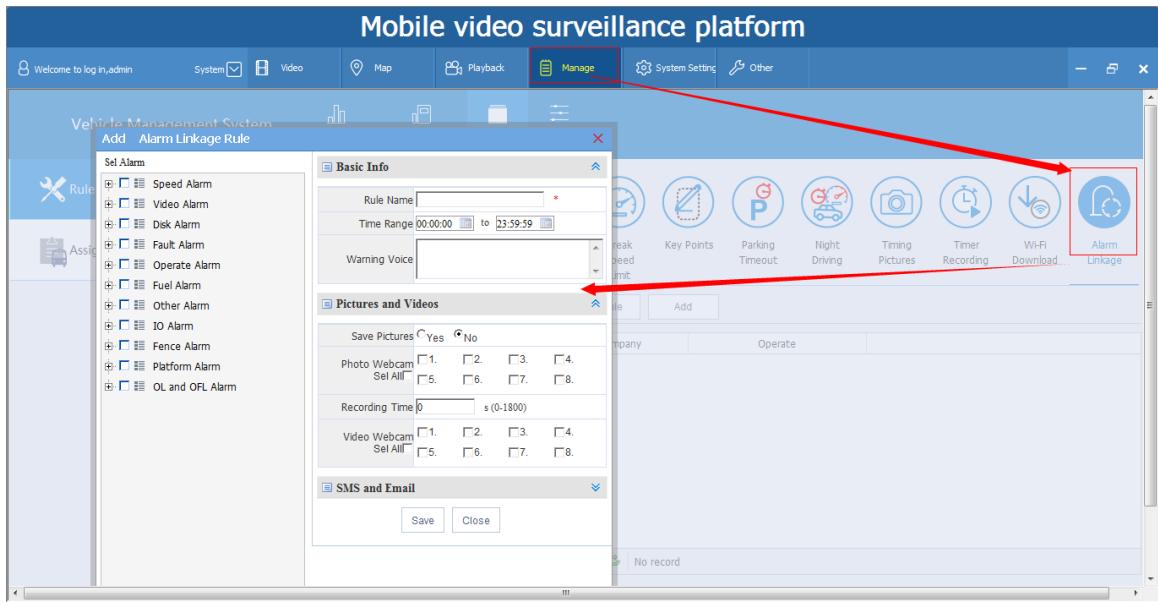
If you want to send message in the sever, you should add the SMS model to the server hardware and set up serial driver and setup the port, click on “setup” .

If you don't add SMS model hardware, you can send message in the server.

5.10.5.2 Rule management configuration alarm linkage

When the vehicle alarms occur, the cellphones and Emails which have been matched will sent the message automatically by the server.

1, Configuration Rules



2. Allocation rule

Index	Plate No.	Company	Operate
1	90734	axiaadmin	
2	90740	tbxadmin	
3	90735	tbxttest	
4	90736	tbxttest	
5	90737	axiaadmin	
6	90738	BSJ	
7	90739	tbxttest	
8	90741	tbxadmin	
9	90742	ttttest	
10	90743	ttttest	

5.11 cut off oil and power

5.11.1 open the function of cutting off oil and power from web client

Login in the web client, open the information management, select the devices which will be cut off oil and power in the information of vehicles. Operating as follow figure, checking up the function, and restart the client.

Edit Vehicle

Service Start Date	2015-08-11 17:04:05	Service Period(On Monthly Basis)
Vehicle Icon		
Driving License Number	Operator License Number	
Driving License Expiration Time	Operator Certificate Expiration Time	

Document Information

Device Info

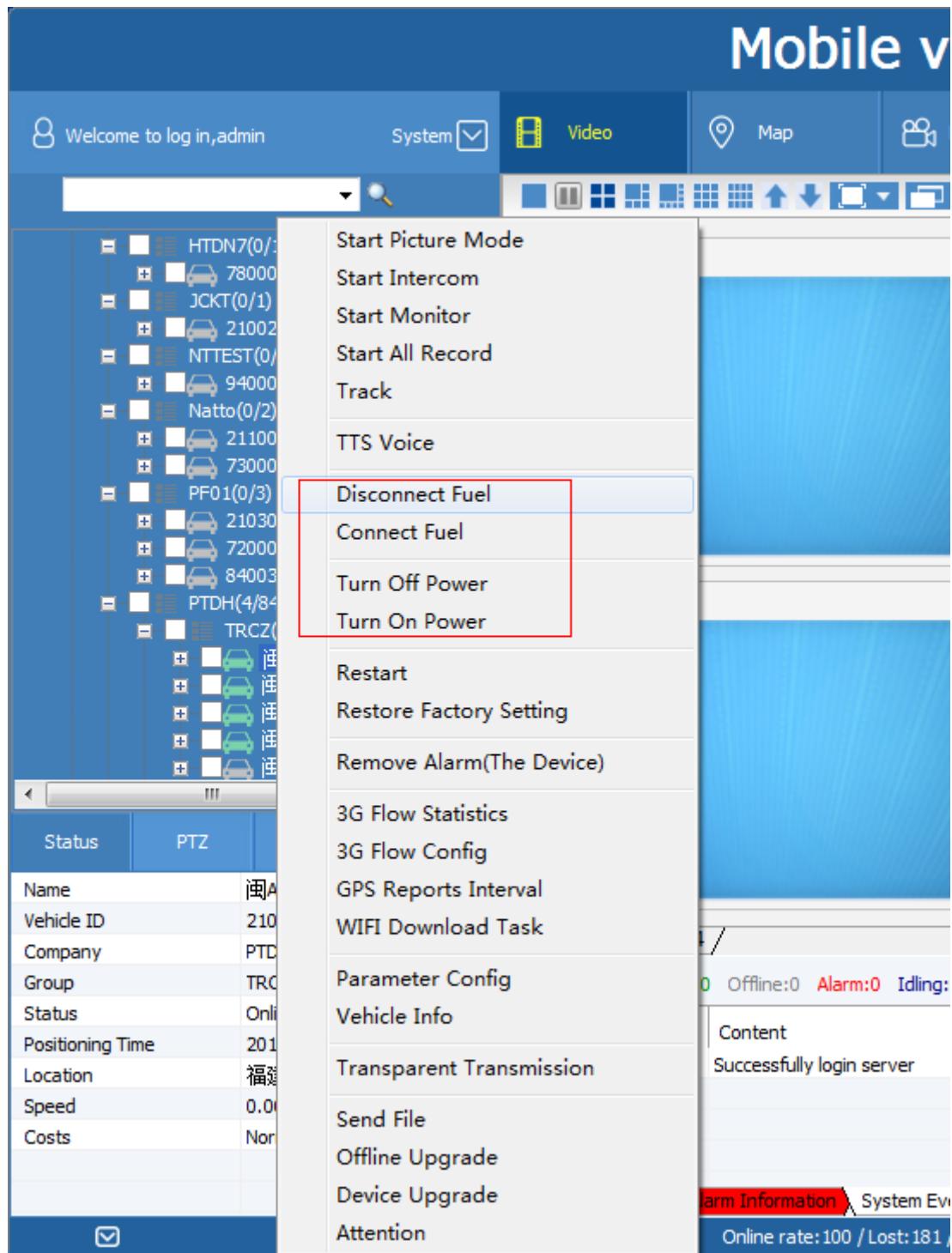
Device1(Master Device)

Device No.	8888888	*
SIM No.		
Channel Param	Number 4	CH1 CH2 CH3 CH4
IO Input Param	Number 0	
Temperature Sensor Param	Number 0	
Peripheral Modules	<input checked="" type="checkbox"/> Support Video <input checked="" type="checkbox"/> Support Talkback <input checked="" type="checkbox"/> Support Monitor <input checked="" type="checkbox"/> TTS (TTS voice playback) <input checked="" type="checkbox"/> Fuel Sensor (Detecting vehicle fuel) <input checked="" type="checkbox"/> Digital Intercom <input checked="" type="checkbox"/> Fuel line controller (off the fuel and the fuel recovery) <input checked="" type="checkbox"/> Circuit controller (cutoff circuit and recovery circuit) <input checked="" type="checkbox"/> OBD <input checked="" type="checkbox"/> Traffic Statistics	

Save **Close**

5.11.2 cut off oil and power in client

Select the vehicle which need to be cut off oil and power, right-click, as follow Fig.ture



Please click the menu of "disconnect Fuel", "connect Fuel," , "turn off power", "turn on power", the pop up the operation window, as follow Fig.figure



Note: it is required to put into password, and the password is the account's password.

Whether the operation was successful, you can see the prompt at the bottom right PC.

5.12 Oil Detection

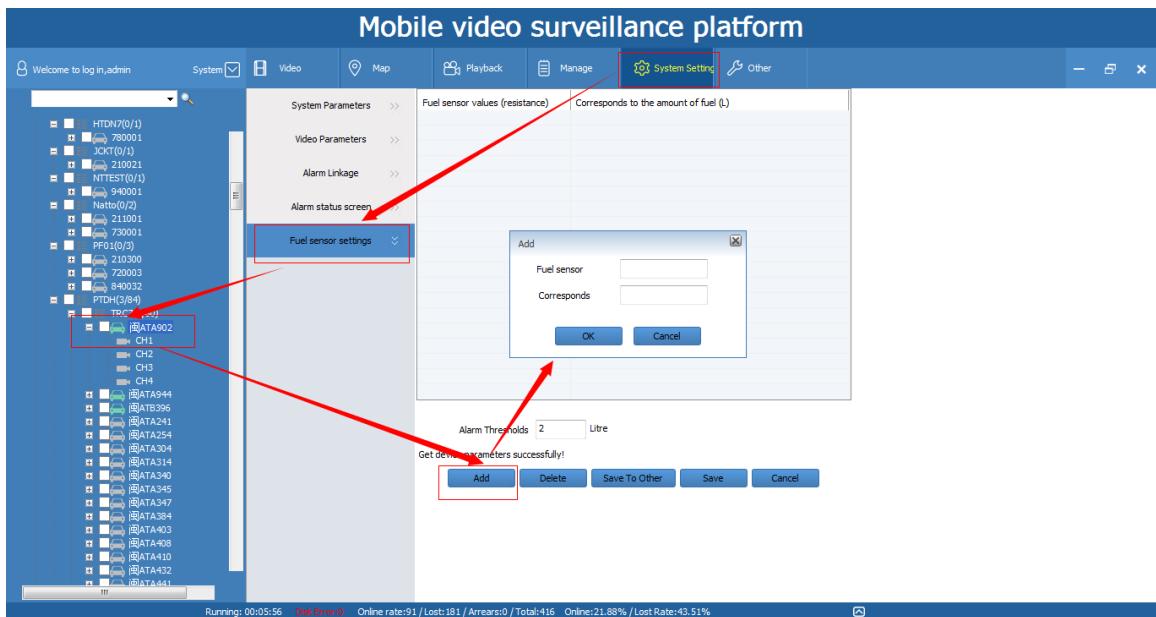
This feature is for device which have been used docking fuel sensors

5.12.1 Configuring oil

With fuel sensor function devices can be configured to be in the oil parameters and vehicle information on the hook peripheral modules.

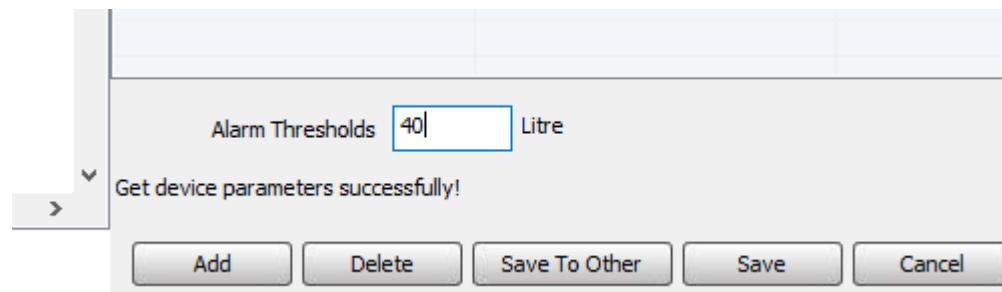
The screenshot shows the 'Edit Vehicle' configuration dialog. At the top, there are fields for 'Service Start Date' (2015-08-11 17:04:05) and 'Service Period(On Monthly Basis)'. Below this is a row of vehicle icons. The 'Document Information' section contains fields for Driving License Number, Expiration Time, Operator License Number, and Operator Certificate Expiration Time. The 'Device Info' section includes fields for Device No. (8888888), SIM No., Channel Param (Number 4, CH1, CH2, CH3, CH4), IO Input Param (Number 0), and Temperature Sensor Param (Number 0). The 'Peripheral Modules' section contains several checkboxes: Support Video, Support Talkback, TTS (TTS voice playback), Fuel Sensor (Detecting vehicle fuel), Fuel line controller (off the fuel and the fuel recovery), Circuit controller (cutoff circuit and recovery circuit), Support Monitor, Digital Intercom, OBD, and Traffic Statistics. The 'Fuel Sensor (Detecting vehicle fuel)' checkbox is highlighted with a red border.

Oil configuring: setting》fuel sensor settings 》select the vehicle,add a resistance value corresponding to the amount of oil 》Setting the alarm threshold



Fill rules: 1. Fill the sensor means corresponding to the minimum pass over the oil money. 2. Fill pass over the sensor corresponding to the maximum value of the oil. 3. Fill in the middle of the maximum and minimum values corresponding to the value of oil. (Fill in the data, the more data that is collected more points, the more accurate statistics)

Set the alarm threshold: When the oil change suddenly more than or less than the threshold set alarm is generated. Meanwhile in the report will record the alarm information.



5.12.2 fuel RPT

Summary table of oil, fuel dynamic detail RPT, fuel abnormal detail RPT

Mobile video surveillance platform

The screenshot shows the 'Fuel Dynamic Detail RPT' interface. On the left, there's a sidebar with various reporting options. The 'Fuel RPT' section is highlighted with a red box and an arrow. Within 'Fuel RPT', the 'Fuel Dynamic Detail RPT' option is also highlighted with a red box and an arrow. The main area displays a line graph titled 'Fuel / Velocity Profile'. The x-axis is labeled 'Time' and shows dates from 2016-09-07 to 2016-09-11. The y-axis has two scales: 'Fuel Curve (L)' on the left (0.00 to 300.00) and 'Velocity Change (km/h)' on the right (0.00 to 300.00). The graph shows a series of sharp vertical spikes in fuel consumption, indicating stops or rapid acceleration.

1, Oil Summary: Record oil and end oil vehicle within a certain time began, we have walked miles with total fuel consumption.

The screenshot shows the 'Summary Table Of Oil' report. The sidebar on the left has a red box around the 'Fuel RPT' section. The main content area displays a table titled 'Summary Table Of Oil' with the following data:

Index	Driver Name	Plate No.	Plate Color	Start Time	End Time	Oil Starting Time	Oil End Times	The Amount	Total Mileage (km)	Total Consumption (lit)	Amount Of P
1		123123	Yellow Card	2016-02-18 10:51:54	2016-03-05 12:47:23	39.92	0	0	290.396	1.29	0
2		100666	Blue Card	2016-02-23 16:14:19	2016-03-28 13:28:57	11.83	0	0	186.703	0.54	0
3		8888888	Yellow Card	2016-03-28 13:52:58	2016-03-30 18:33:54	0	0	0	3422.253	0	0

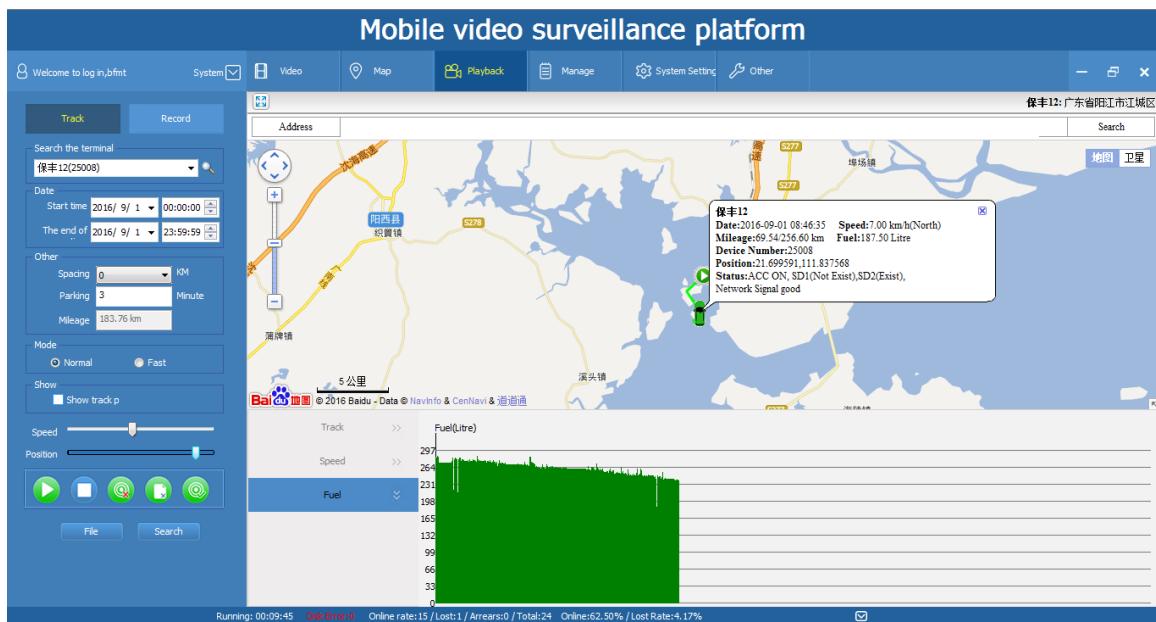
2, Fuel dynamic detail RPT: Instant Upload with GPS synchronization of the value of oil.

3, fuel abnormal detail RPT: Only alarm recording will be produced on the table. (Mentioned above to set the alarm threshold)

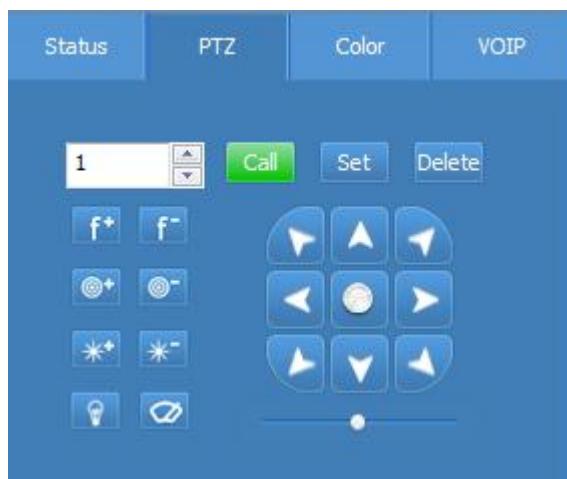
Statistical time and oil change:

Changes within the specified "statistical time" occurrence of oil exceeds the set "oil change" value, the client will have fuel alarm display.

5.12.3 Client oil curve track



5.13 PTZ control



Through this control interface, you can focus on the video screen control. Equipment such as "GW1589" then head of Channel 2, when the viewing device "GW1589" Channel 2 video on the video window, the video window is selected, then the operating head, the channel can be controlled.



Auto Cruise: Click the arrow icon in the orientation point, let the head set to the specified direction of rotation (This feature requires support equipment and PTZ);



Focus: Click on the icon, you can reduce or enlarge the video on the focal length distance;



Aperture: Click on the icon , you can reduce or enlarge the image size of the aperture;



Focus: Click on the icon , you can adjust the video forward or backward focus size.



Lighting: Click the icon , you can turn on or turn off video lighting.

Call / Set / Delete: These are for the purposes of pre-set point can be set up within 64 interface.

Setting preset rules:

1. They are provided for each different preset auto cruise lines, and then call each preset separately to confirm the settings if set.

2. Find instructions in the PTZ auto cruise Prospectus

PTZ auto cruise ships instructions are 98 or 95, of course the head of the manufacturers instruction vary. After the find command can be run.

5.14 Network traffic statistics

5.14.1 Network traffic profiles

Select a device, right-click "Network Traffic Configuration", as shown in the pop-up network traffic configuration interface

Data Plan Counter	
Today	0.12 MB
Remaining	67.07 MB
Remaining	19 Day
Total Used	2.93 MB

3G Flow Config		Flow Limit Alert	
Data Counter:	Open	Daily Limit:	50 %
Bill Date	30	Month flow remind	50 %
Monthly Data Plan	70 MB	Open	
Daily Limit	2 MB		

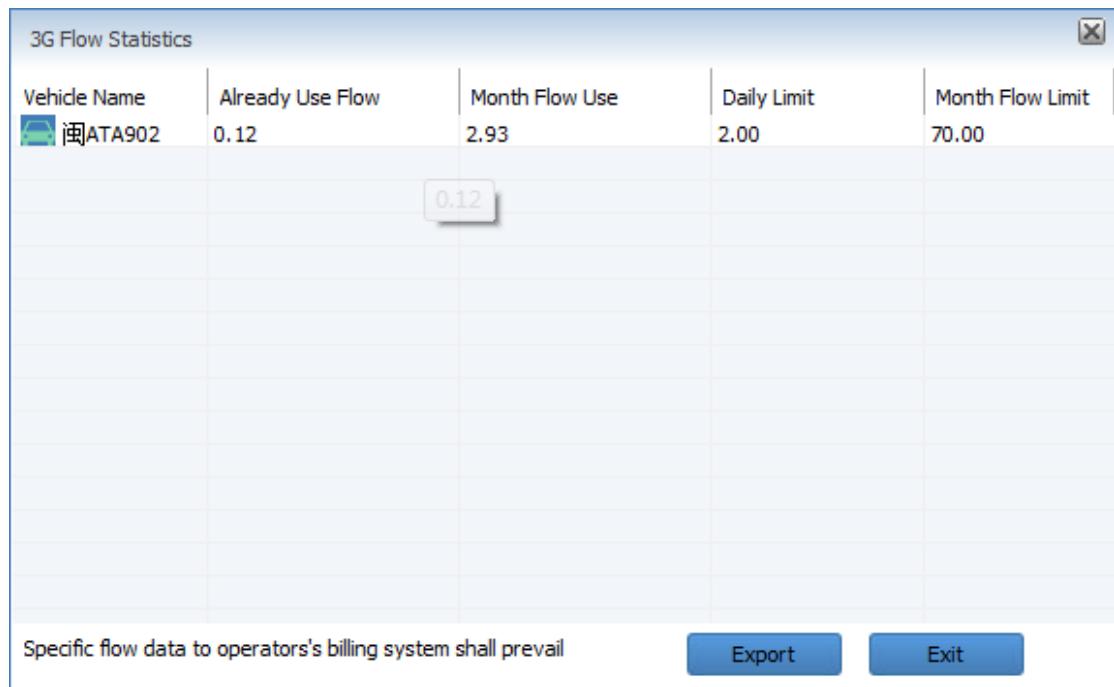
Obtain device 3G information successfully!

Save Refresh Exit

First we have to open traffic monitoring, then the relevant parameters

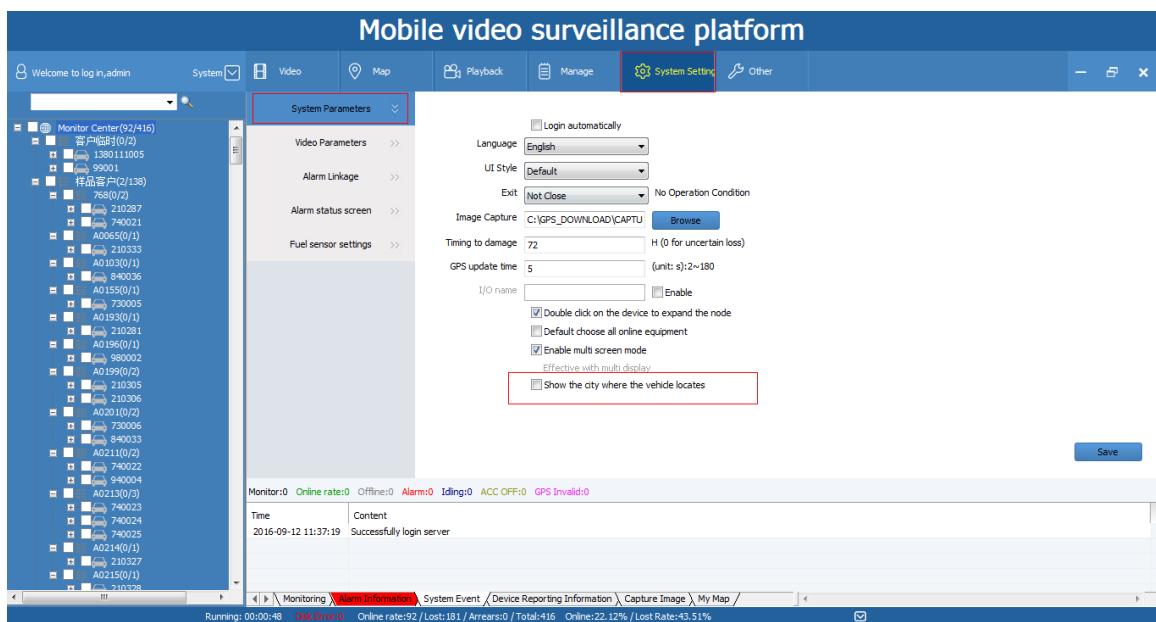
5.14.2 Network traffic statistics

- Select the device, right-click “3G flow statistics”, pop-up the window

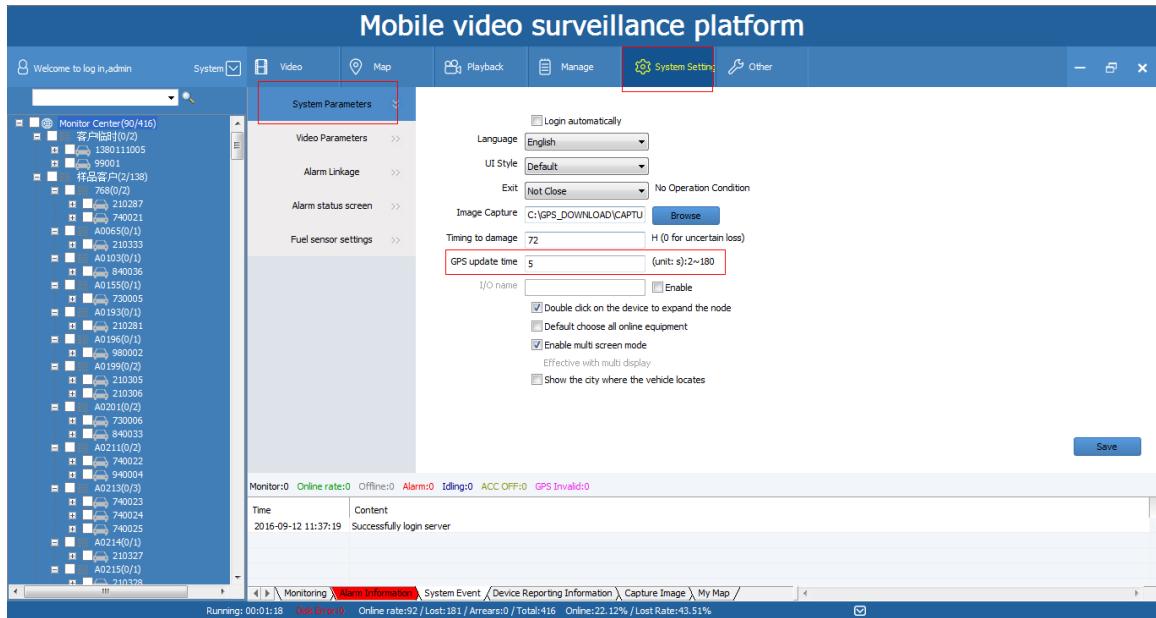


5.15 system setting

5.15.1 display the vehicle of the city



5.16.2 the GPS update time



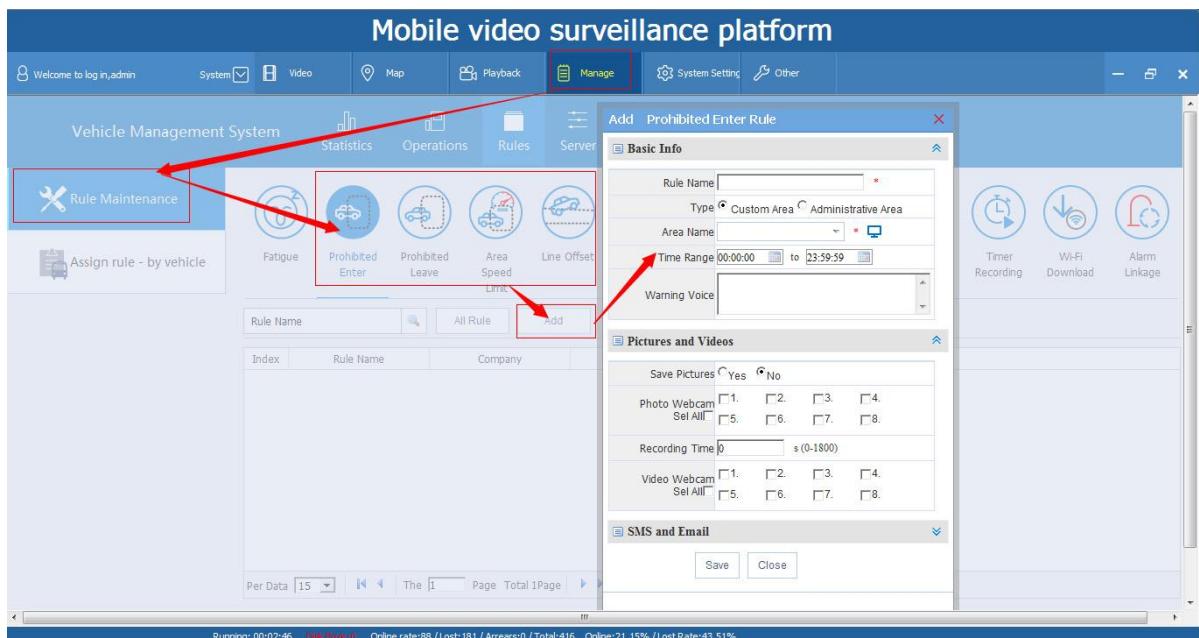
5.16 electric fence

5.16.1 client zone configuration

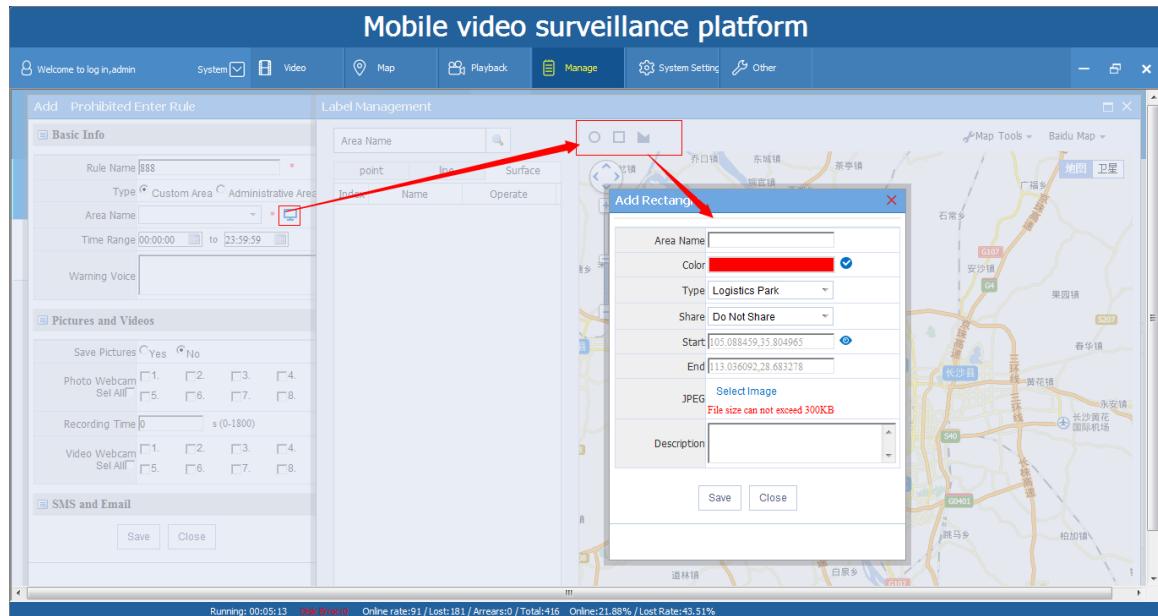
(Operation see section 5.3.2)

5.16.2 configuration of the electronic fence alarm.

Manager » rule maintenance » prohibited enter, prohibited leave, prohibited limit, prohibited offset

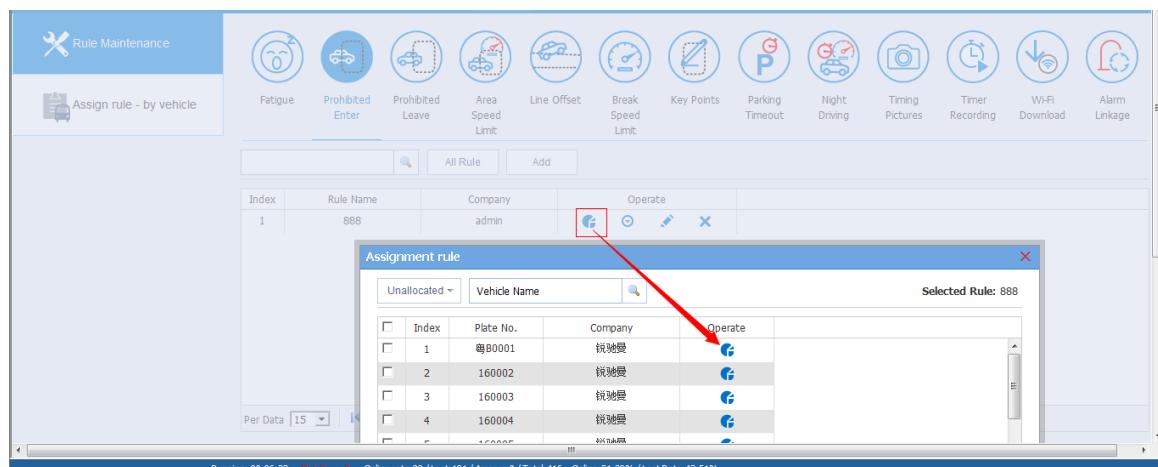


Area name can refer to section 5.18.2 drawn area on the map, you can also draw in the rules governing the management, the following figure



5.16.3 assignment rule

Assign the prohibited limited vehicles to the rule



After you have configured, the vehicle alarm is generated, the client will have a corresponding alarm information is displayed.

If you have configured overspeed or TTS voice prompts when the alarm will be automatically applied to the device TTS voice

5.16.4 Electronic fence RPT

Chick on “statistics”, then chick “electronic fence RPT”, open the report of fence

Mobile video surveillance platform

Vehicle Management System

- Statistics
- Operations
- Rules
- Server

Electronic Fence Statistics RPT

Sel Time: Custom Time Start Time: 2016-08-29 00:00:00 End Time: 2016-09-12 23:59:59 Query EXP File Format

Vehicle: All Vehicle

Index	Plate No.	Plate Color	Start Time	End Time	Cross-border Alarm/Proc	Area Overspeed Alarm/Pr	Out of Area/Processed	Out of Line/Processed	Roads an
Per Data	15		The 1	Page Total 1 Page					
No record									

Running: 00:07:50 Disk Error:0 Online rate:91 / Lost: 181 / Arrears:0 / Total:416 Online:21.88% / Lost Rate:45.51%

5.17 Line offset rules, sub-limit rule

5.17.1 Drawing the line

Drawing the line on the map or using the locus of the vehicle have been played back track. You can draw it accordance with charter 5.17.2

Playback is recommended to take the track line, as follows

Mobile video surveillance platform

Playback

Address: 保丰12:广东省阳江市江城区

Search

Add Line

Name: [] Color: [] Type: [] Share: View to all users Mark: []

Start: 111.840144,21.724009 End: 21.708112,堤岸路1

OK Cancel

option: 09-01 08:46:35 Speed:7.00 km/h(North) Mileage:99.53/256.59 km Fuel:240.66 Litre
9.54/256.60 km Number:25008 1.699591,111.837568 C ON, SD1(Not Exist), SD2(Exist), gnal good

Number: 5923, 5924, 5925, 5926, 5927, 5928, 5929, 5930, 5931, 5932

Speed: >> Fuel: >>

File Search

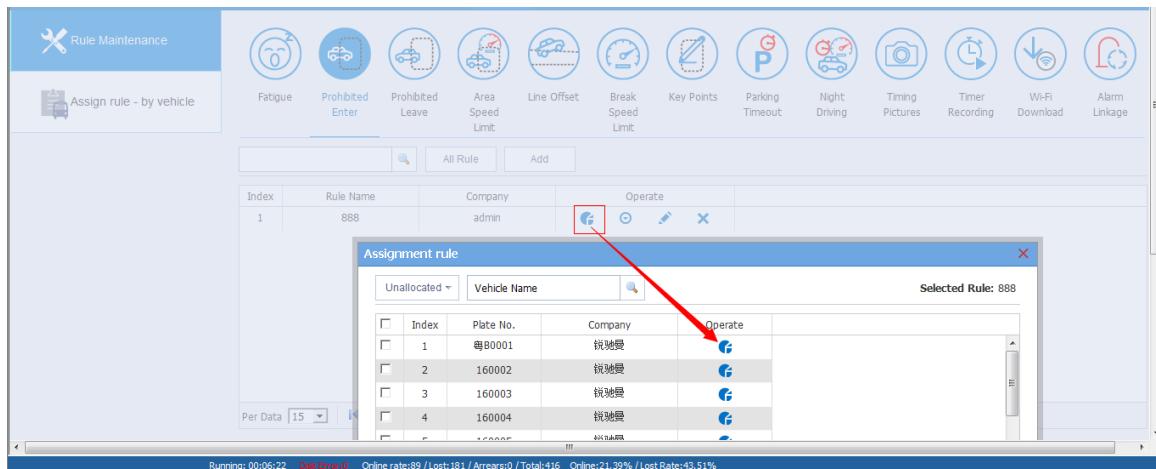
Running: 00:34:38 Disk Error:0 Online rate:8 / Lost: 1 / Arrears:0 / Total:24 Online:33.33% / Lost Rate:4.17%

5.17.2 Configuring alarms of the electronic fence.

Manger » rules » prohibited enter, prohibited leave, area speed limit, line offset

5.17.3 assignation rules

Assign the vehicle to prohibited enter

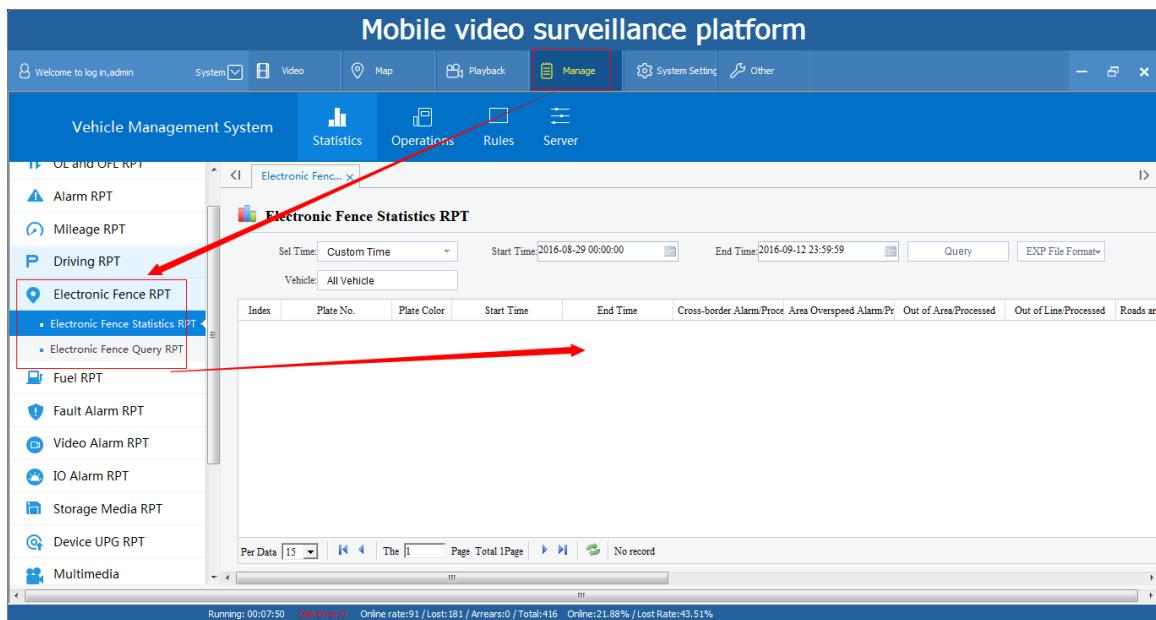


After you have configured, the vehicle alarm is generated, the client will have a corresponding alarm information is displayed.

If you have configured over speed or TTS voice prompts when the alarm will be automatically applied to the device TTS voice

5.17.4 Electronic fence Reports

Chick “statistics” , then chick “electronic fence RPT” , open the report, search by the keyword.



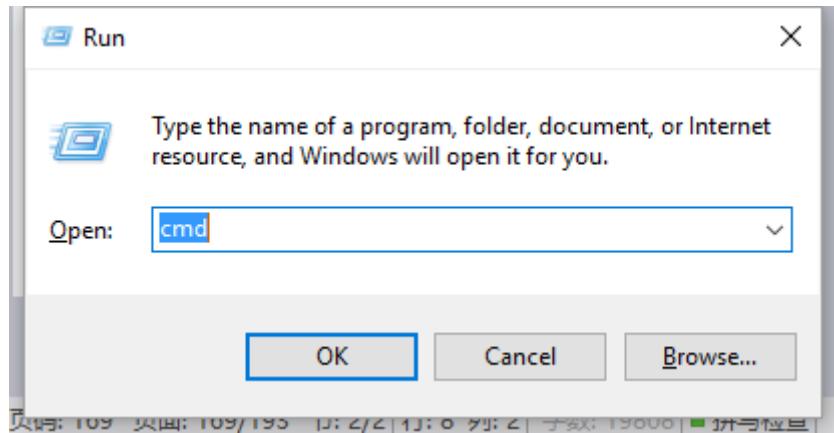
5.18 questions and answers

Question 1: After reporting device, the user can see the device online, but do not see the device's video

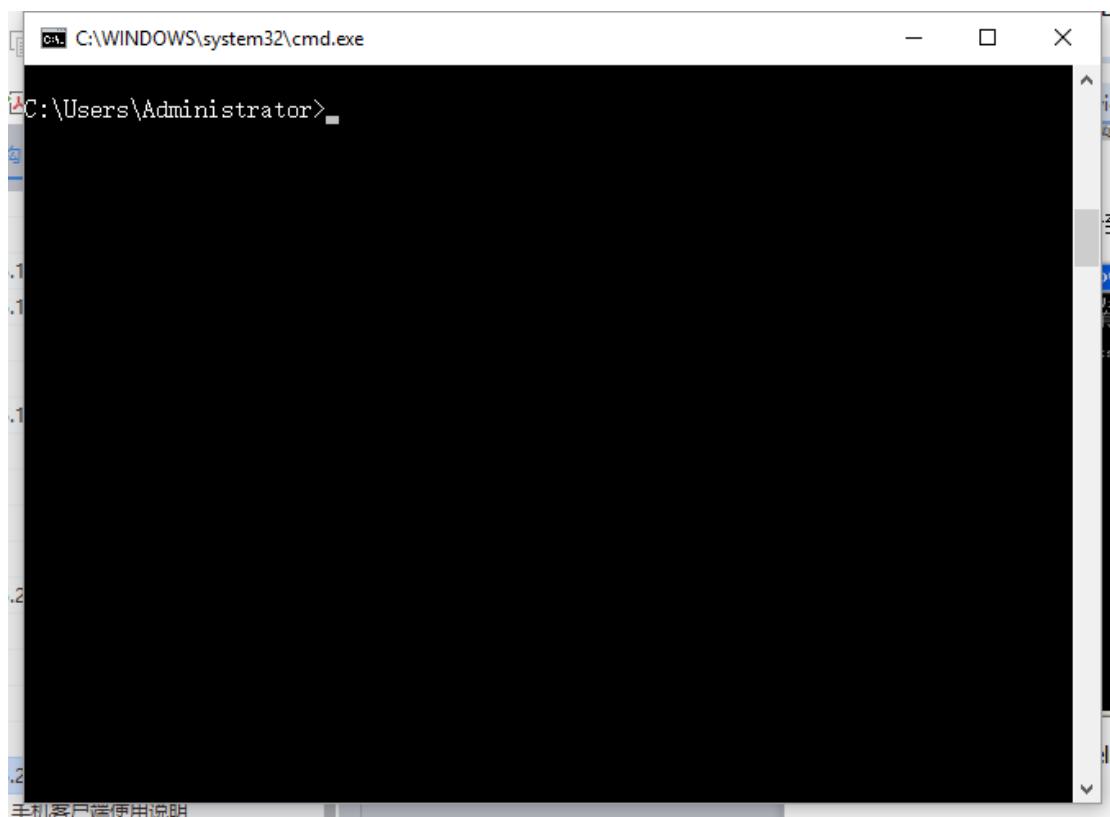
Solution

1. Make sure of the normal working of the RMVS media server.
2. If the RMVS media server is OK, please check the port (6602) of the serves is mapping.

Detection methods: enter "cmd" in the Run command, click the "OK" button.

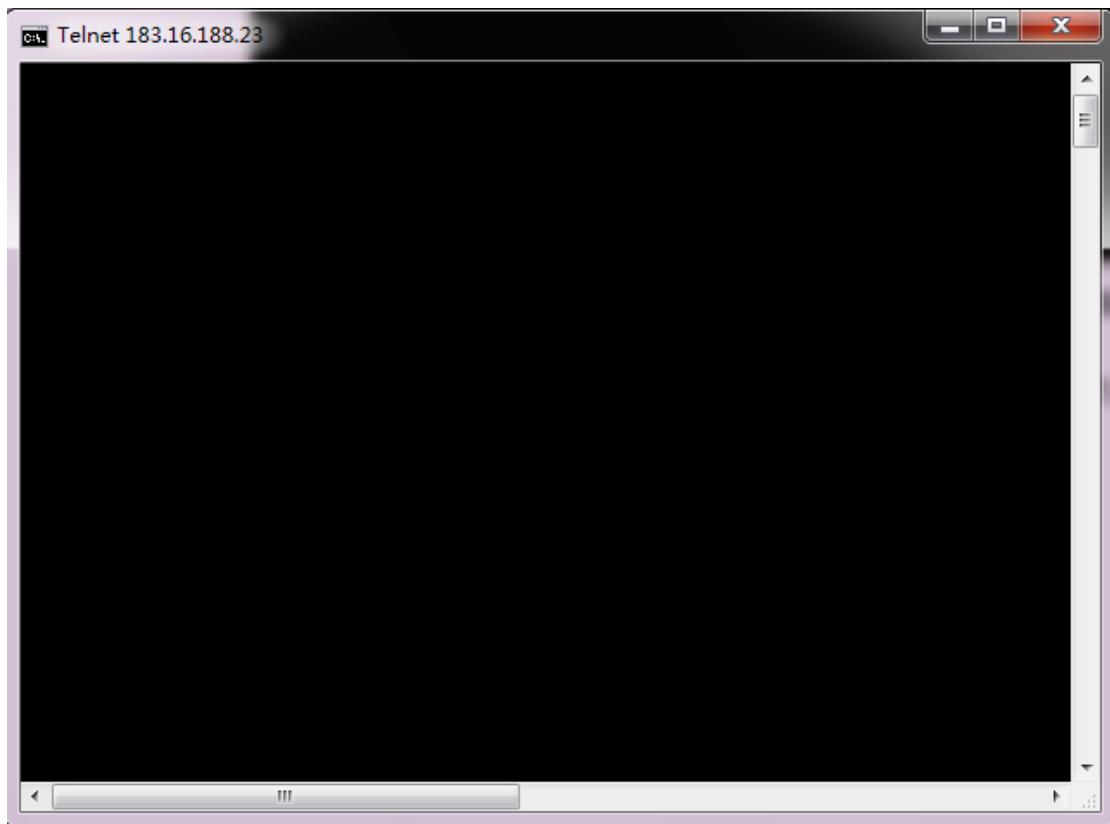


After the operation, see the operation of the interface as follows



Then enter "telnet 183.16.188.23 6602", 183.16.188.23 is to install the CMS server public network IP, 6602 is the port number.

If the port is open, the interface appears as shown in Figure 1, if the port is not open, the interface appears as shown in Figure 2.



Without making port mapping

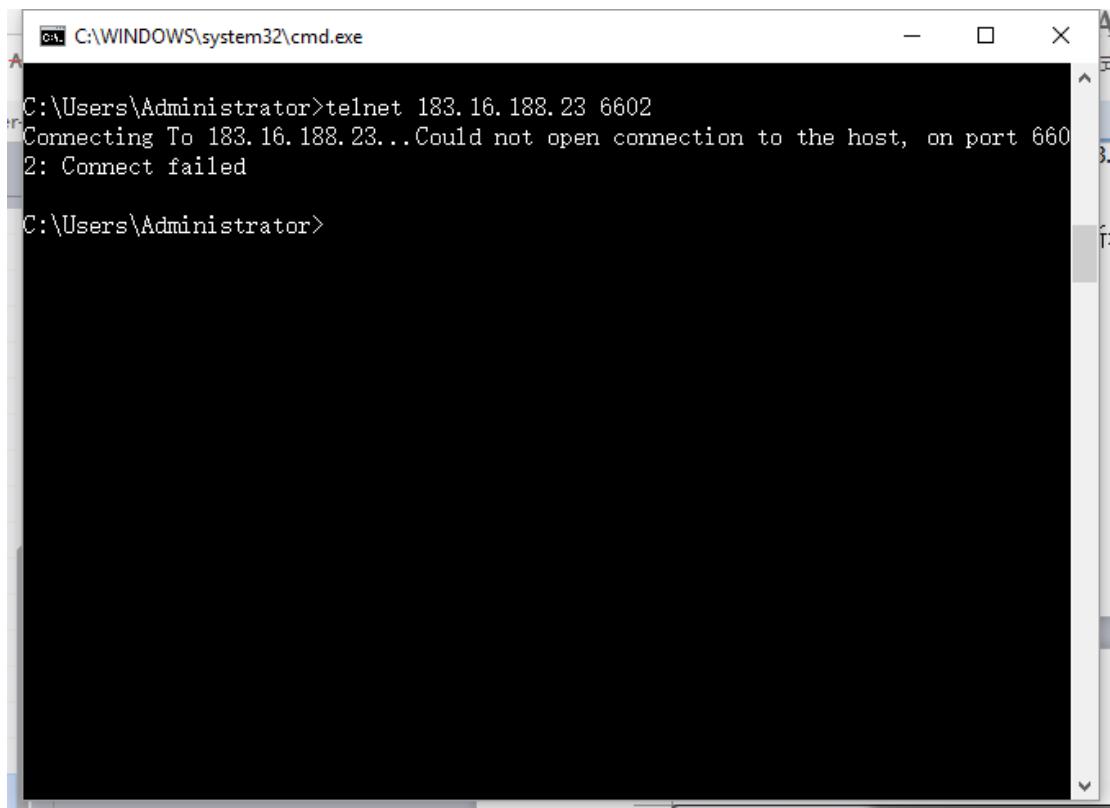


Figure 2 without making port mapping

If you did not do port mapping, into the router will do the next TCP port mapping, clients will be able to watch the video

Question 2: Get device information, device parameter information failed

the reason:

TyFig. ally the client device to obtain information or device parameter information failed for three reasons:

1. RMVS network equipment and server are disconnected;
2. Device speed is poor;

solution:

1. Check the network connection status and RMVS server are disconnected when the client device or see online, wait about 3 minutes until the client device into offline state;
2. Due to the poor speed, failure to obtain information prompt will appear for a long time can not get the information when you close the form reacquire a try;

Question 3: PTZ auto cruise invalid

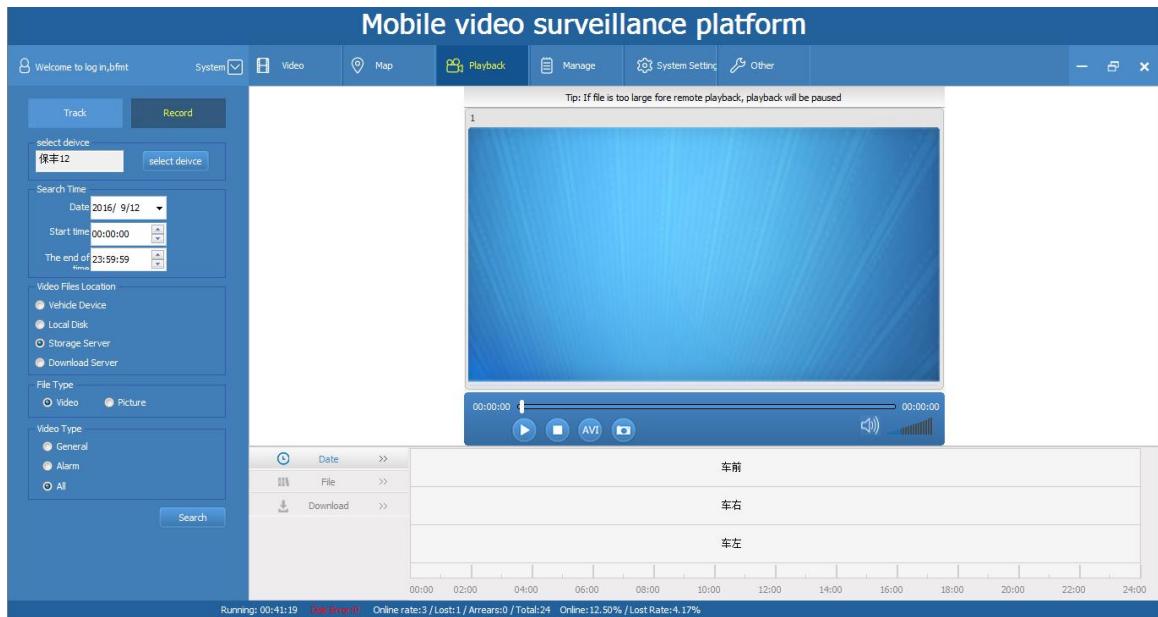
the reason:

PTZ auto cruise equipment is often in a relationship with.

solution:

1. PTZ does not support auto cruise function;
2. The device does not support PTZ auto cruise function;
3. The automatic cruise function is not turned on

question 4: capture and recording schedule A reconfigured% 2C not TT and client searches the file in the STI is empty

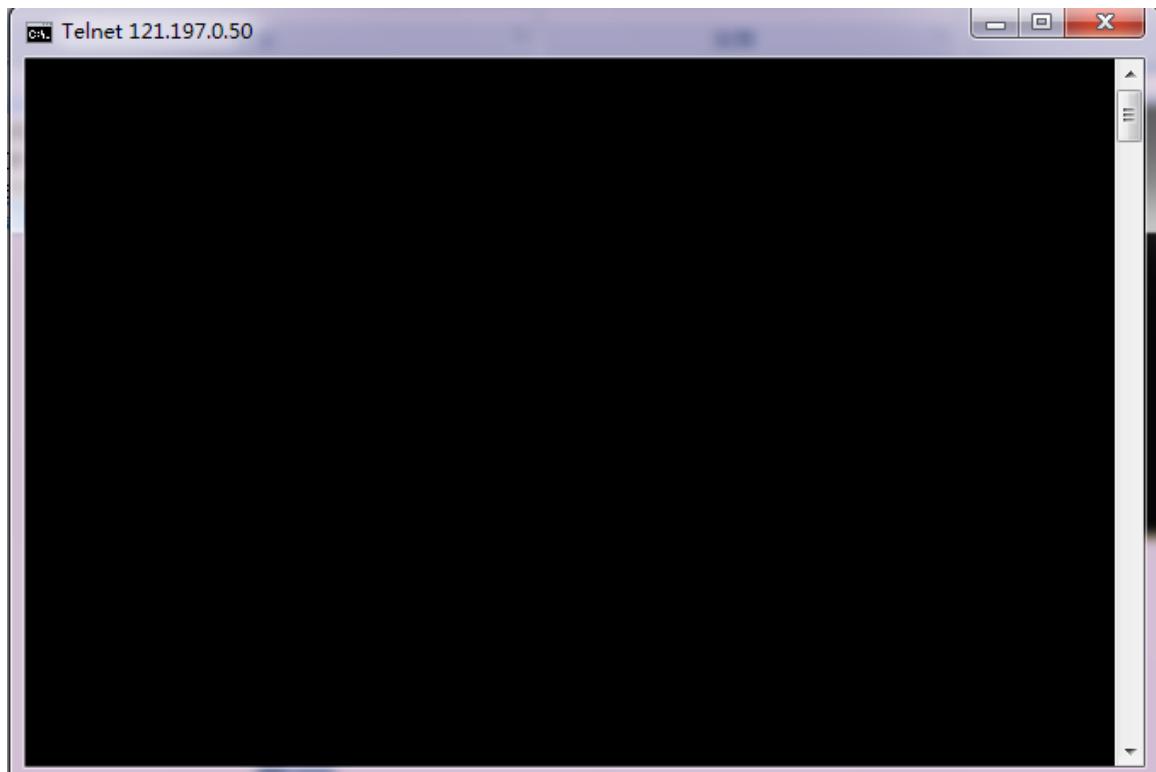


method:

1. Test storage server port used (6611 6612) is open, if not open, you need to enter the two-port router open
 - a. Menu - running , put in "cmd" then put in "telnet 124.228.174.201 6612", the flower feature is not opened the port.

```
C:\> C:\WINDOWS\system32\cmd.exe
2: Connect failed
C:\> telnet 124.228.174.201 6612
Connecting To 124.228.174.201... Could not open connection to the host, on port 6612: Connect failed
C:\>
```

- b. Menu - running - put in "cmd" put in "telnet 121.197.0.50 6612", the follow feature is opened the port



2. If the port is opened. You can login the web manager center, check the sever IP and port configuration.

Number	Status	Lan	WAN(Device)1	WAN(Device)2	Port(Device)	WAN(Client)1	WAN(Client)2
S1	Line	127.0.0.1	114.55.118.196	114.55.118.196	6612	114.55.118.196	114.55.118.196

Question 5: Download files from storage server fails?

Solution:

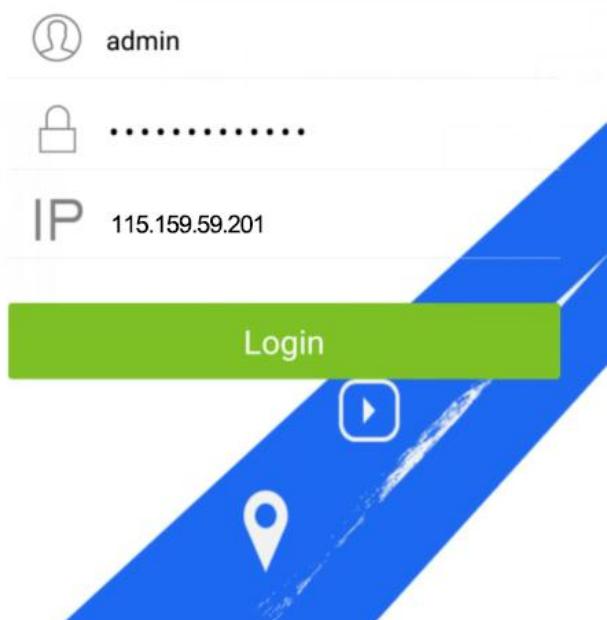
The first case: video files are packaging.

The second case: check weather the IP and port of the serve is right ? And then check the storage server is OK? (For details, see Question 4)

6. Mobile client instructions

6.1 Mobile client of android

6.1.1 LOGIN UI



6.1.2 Map

Functions: List of vehicles, vehicle monitoring real-time location maps, real-time vehicle status information, setting the GPS refresh time.



click  to view the detail of vehicle

 粤AE2969

IDNO.:55007

Time:2016-03-31 18:04:02

Mileage:61960.317KM

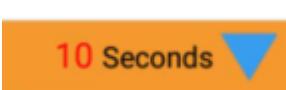
Speed:0.0 km/h (South)

Driver:

Alarm:

Status:ACC On,GPS Module Normal,Disk
1Normal,Disk 2No Exist,Net Signal
Poor,Static(0:0:8)

Address:广东省广州市白云区横二路

 10 Seconds

setting the GPS refresh time.

Select The Refresh Interval

10 Second

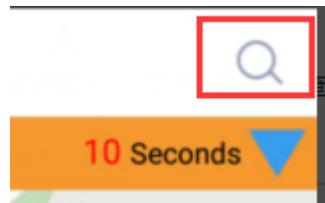
30 Second

1 Minute

2 Minute

3 Minute

Searching the vehicle in the list bar



6.1.3 preview video

Select vehicle from the list to preview video



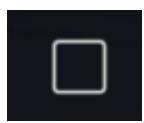
ICON function introduction



PTZ



stop



pause / play

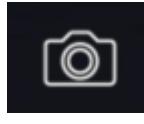
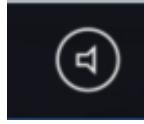
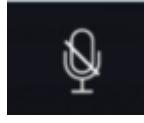


image capture



the real-time voice from camera



intercom

6.1.4 rack back



< Search Trajectory

Select Vehicle	>
Select Date	2016-03-31
Start Time	14:21:26
End Time	18:21:26

Search



6.1.5 playback





Search Record

Select Vehicle >

Location

Terminal >

Channel

All Channel >

Type

All File >

Select Date

2016-03-31

Start Time

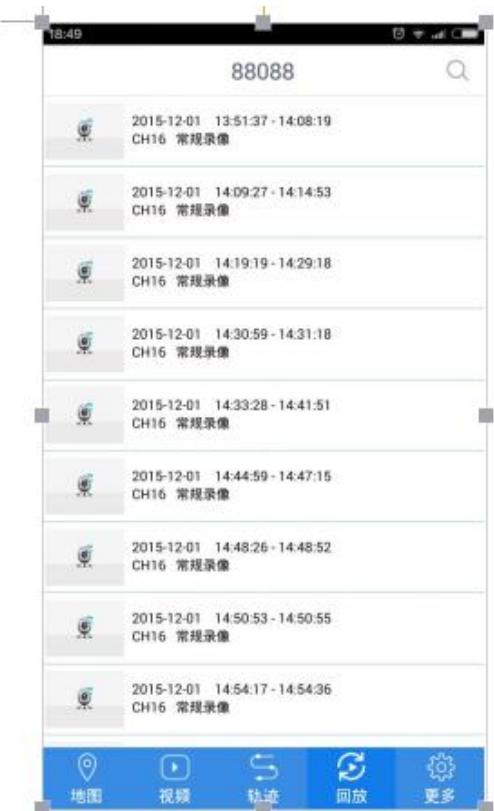
00:00:00

End Time

23:59:59

Search

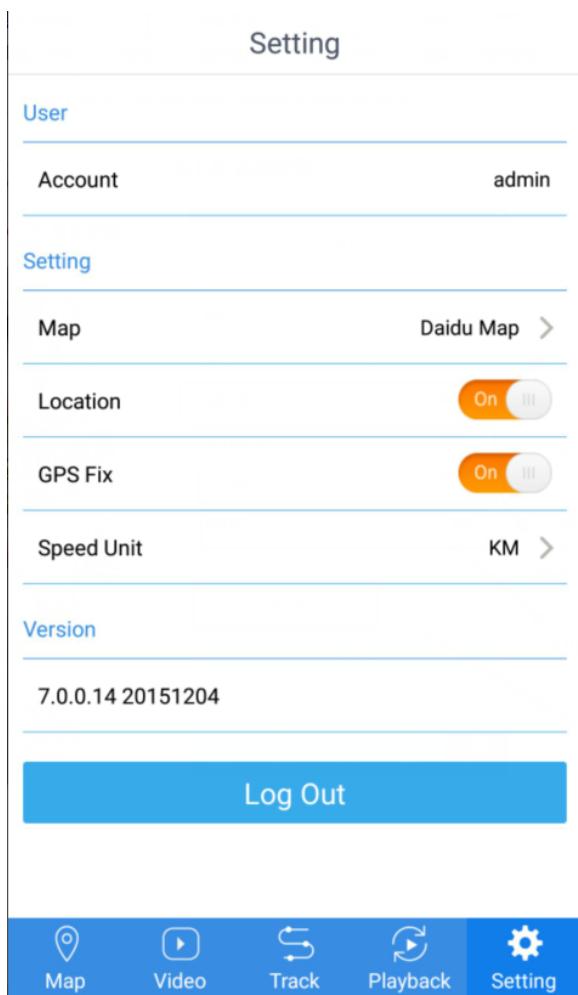
Select the files of playback



playback video



6.1.6 system setting



setting introduction

-
- Map Daidu Map >
-
- Type of map: baidu map, google map
-
- Location On
-
- Location resolve
-
- GPS Fix On
-
- GPS fix

Speed Unit KM >

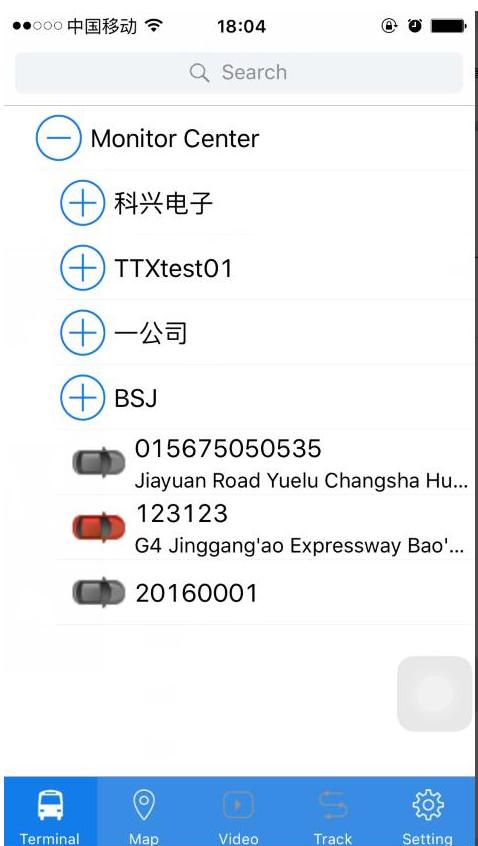
Speed unit setting: kilometer inch

6.2 Mobile client for IOS

6.2.1 LOGIN



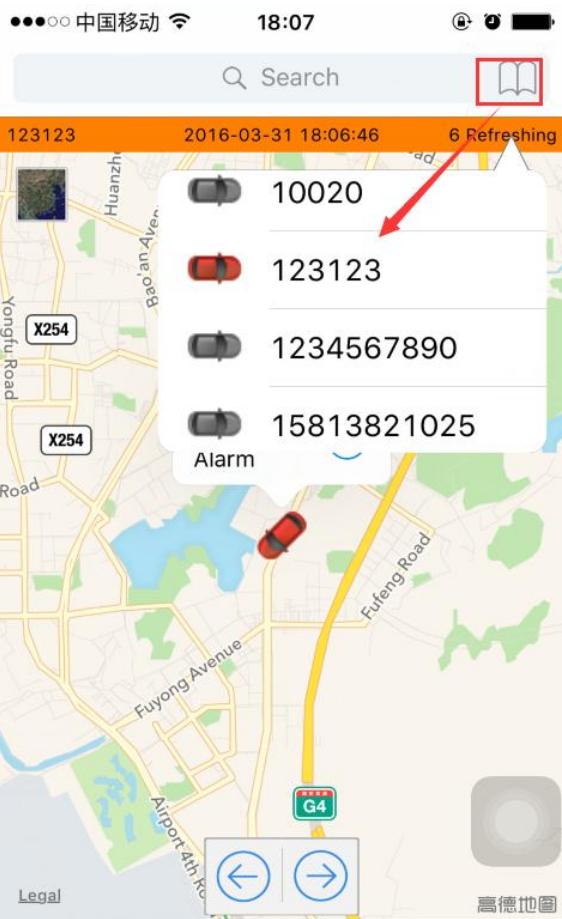
6.2.2 vehicle terminal



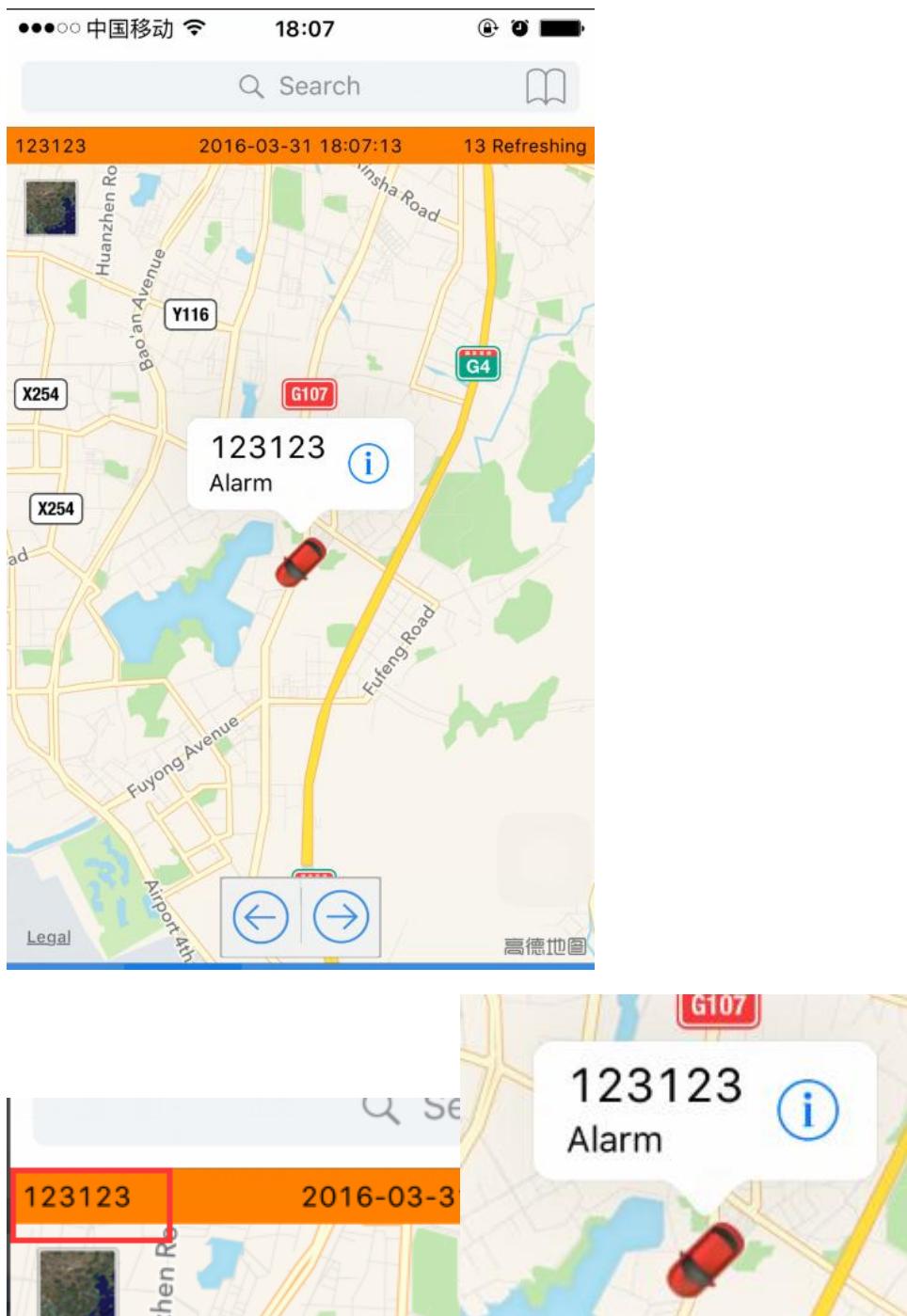
6.2.3 select the vehicle then open the operation for monitoring



Search the vehicle from vehicle list



6.2.4 Map



fine the car status

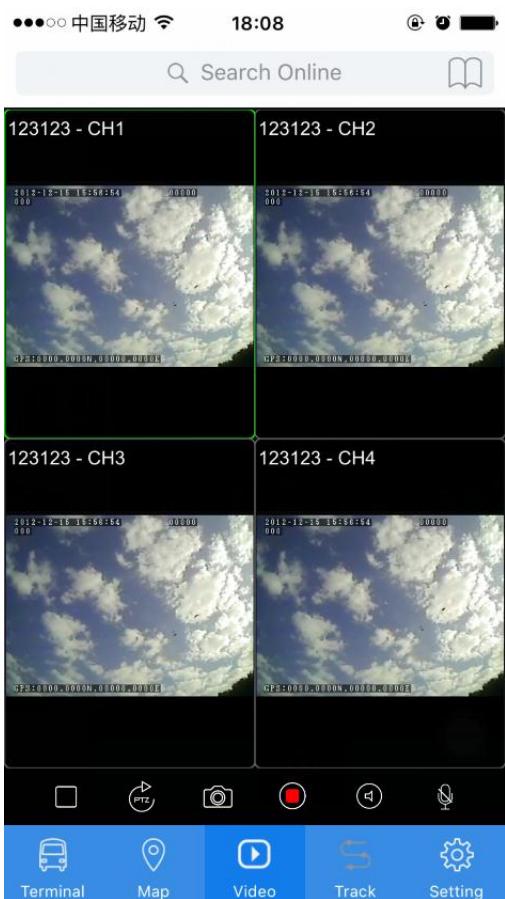
[Back](#)

123123

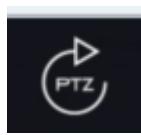
Time:2016-03-31 18:07:13
Mileage:121223.601KM
Speed:62.0 km/h(Southwest)
Driver:
Alarm:Idle
Status:ACC On,Disk 1Normal,Disk
2Normal,Network Signal Good

Address:Bao'an

6.2.5 video monitoring



Icon feature



PTZ



stop



pause play

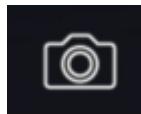
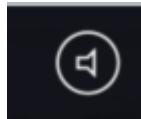
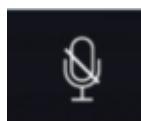


image capture

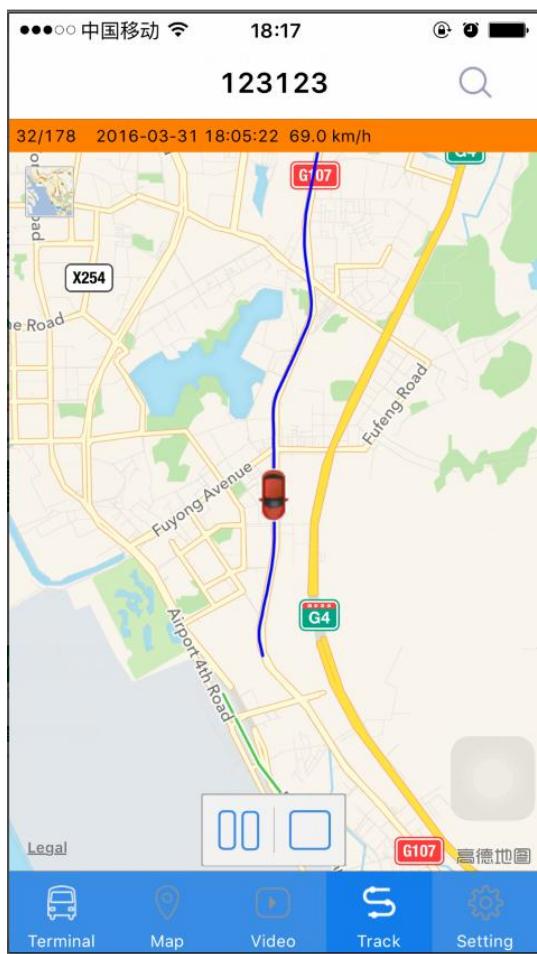


voice of the device's camera

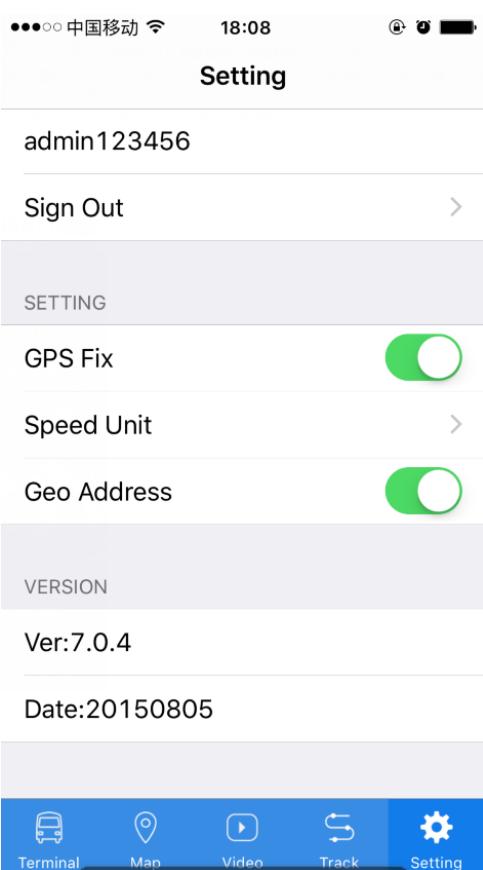


intercom

6.2.6 track monitoring



6.2.7 system setting



设 set description

