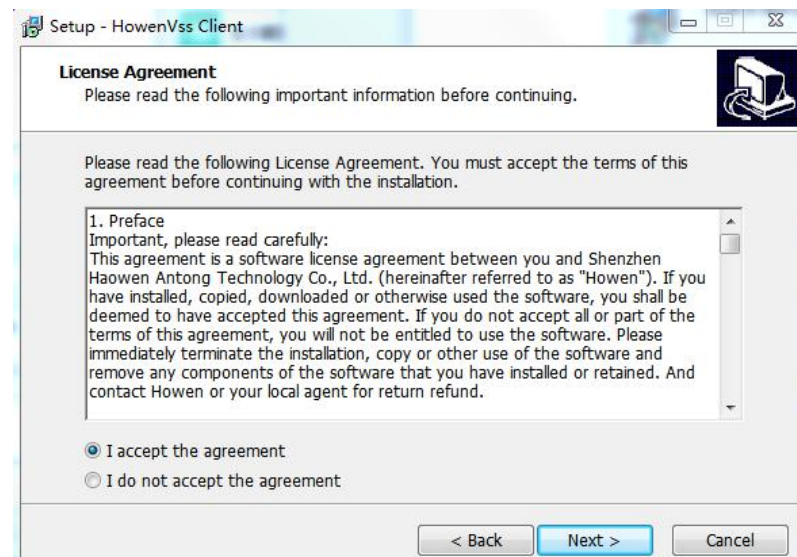
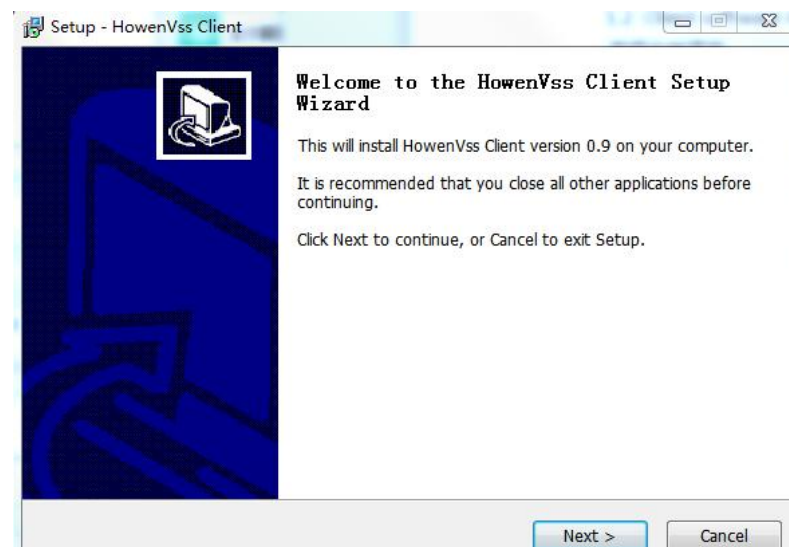
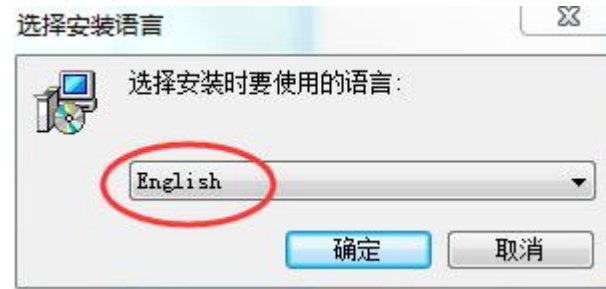


Contents

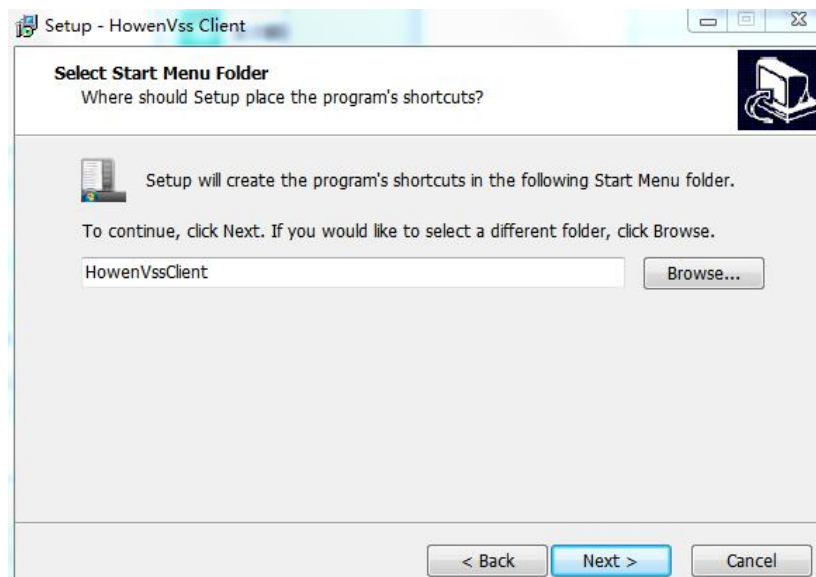
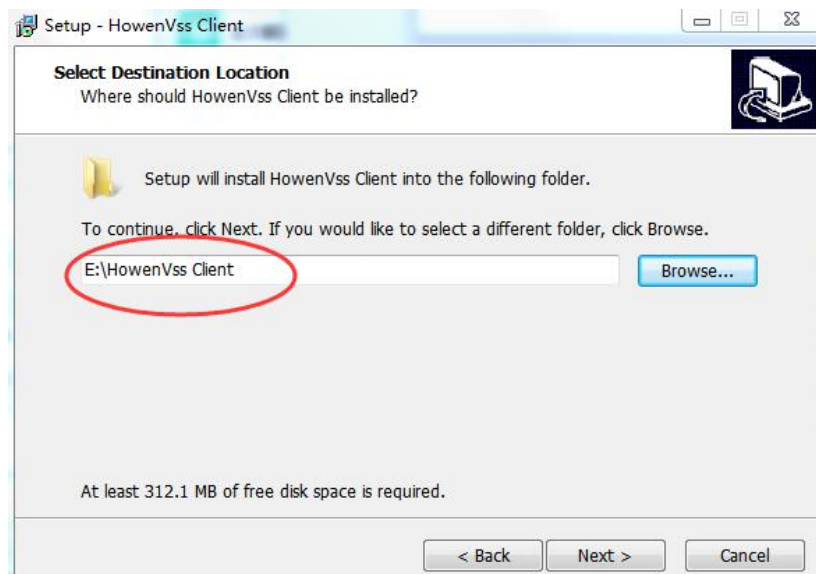
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1. Installation

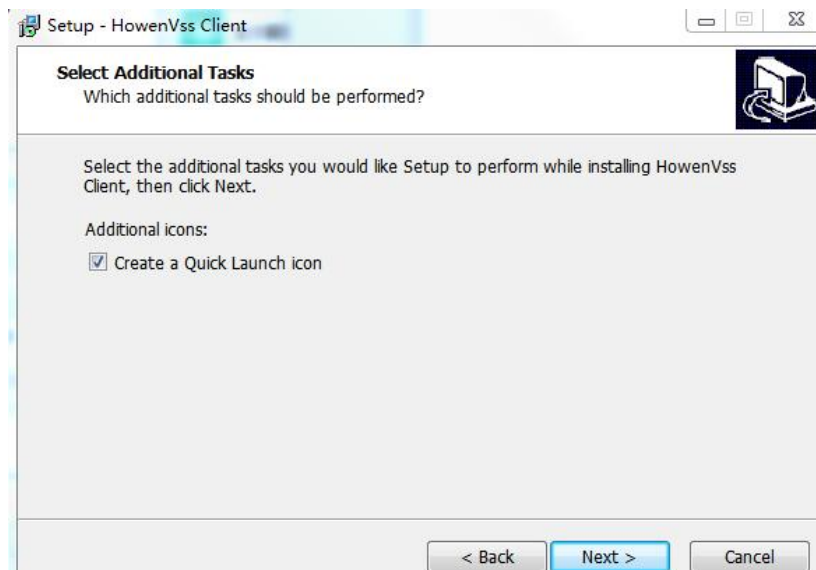
Language switch to English.

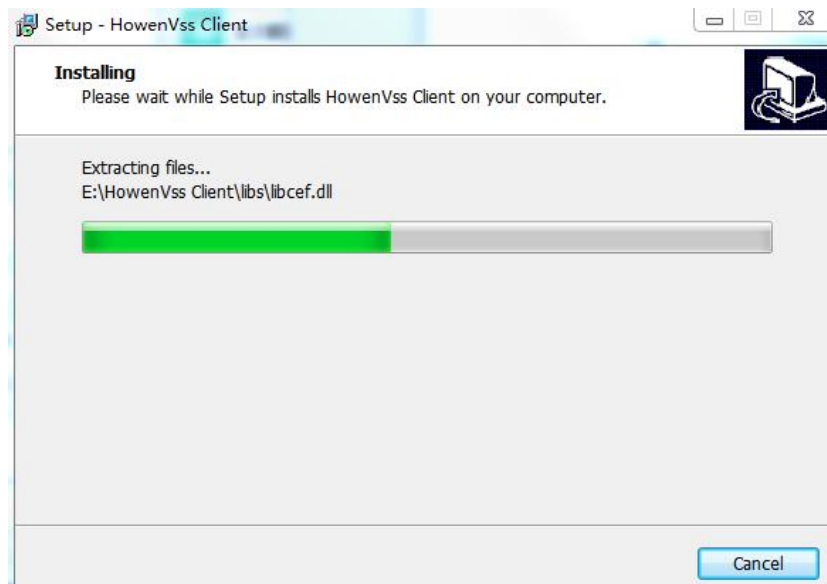


Click next to enter the installation path selection interface.

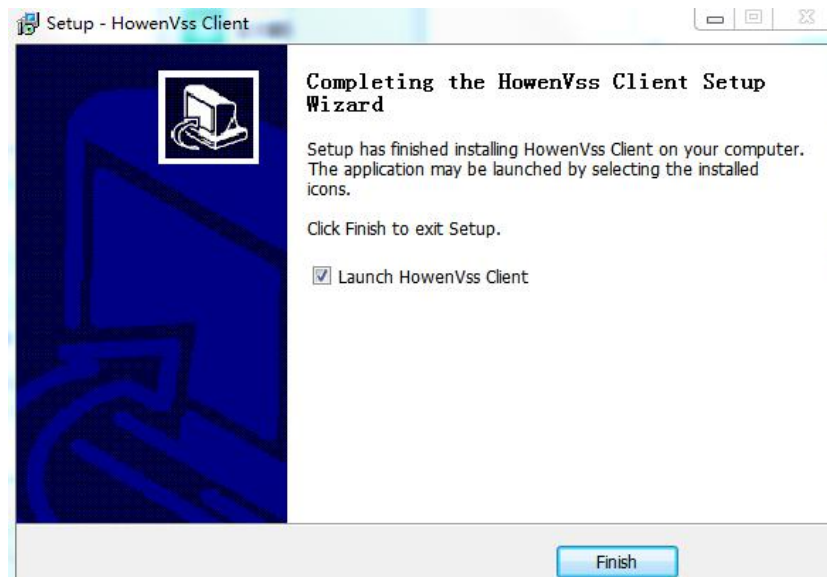


Select additional tasks(create a Quick launch icon),and then click next to continue.





Click Finish to exit setup.



2.Login

Please input **your server PC's address , user name , and password** to login CMS Server.

The default user name and password is **admin/admin**



Server: 127.0.0.1

User: admin

Password:

☐ Save Password

[Log In](#)

V0.9.0.200611 [Language](#) [Setting](#)

Language: Supports Chinese ,Russia , English for current version.

Setting : Manage the IP and ports. Add or clear the list.

Setting

Name	Server	Port	Protocol
------	--------	------	----------

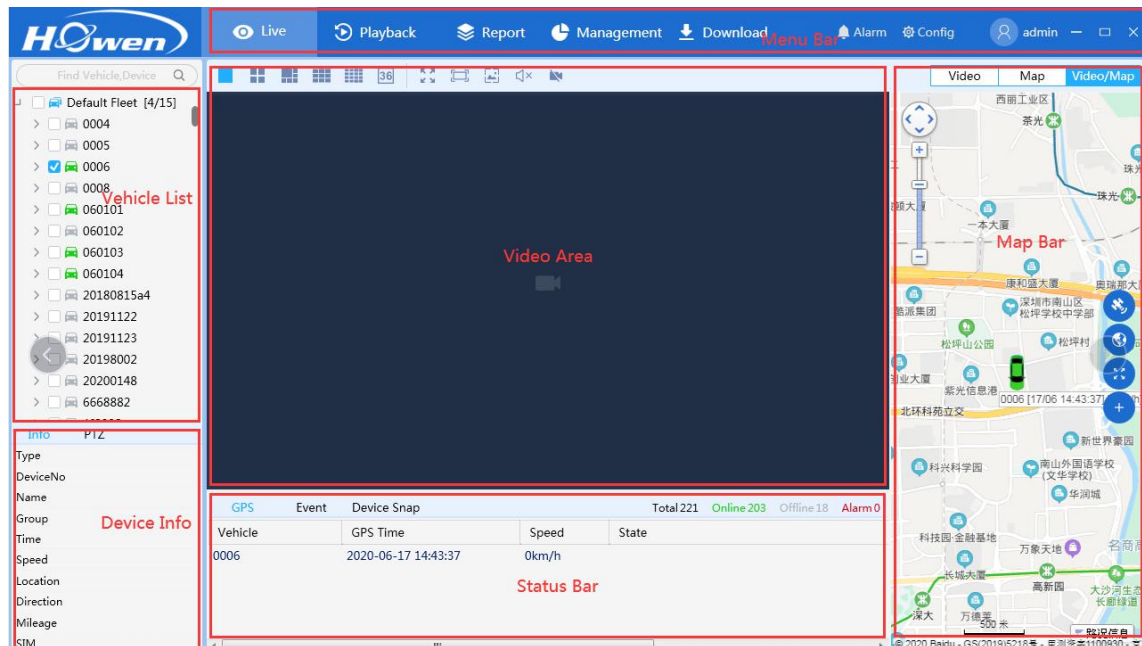
[Add](#) [Clear](#) [Back](#)

Setting

Name	Server	Port	Protocol
127.0.0.1	127.0.0.1	9966	H Protocol
47.115.83.226	47.115.83.226	9966	H Protocol

[Add](#) [Clear](#) [Back](#)

3.Main Interface



It contains menu, vehicle list, device information, status and map.

Menu Bar: live ,playback, management, download, alarm, config.

Vehicle list: It lists all the vehicles, **green** color means online, Grey color means offline, **Red** color means alarm is triggering and device is online.

Device info: Shows the profile of vehicle information.

Status Bar: It contains GPS, event, Device snap info uploaded from vehicles.

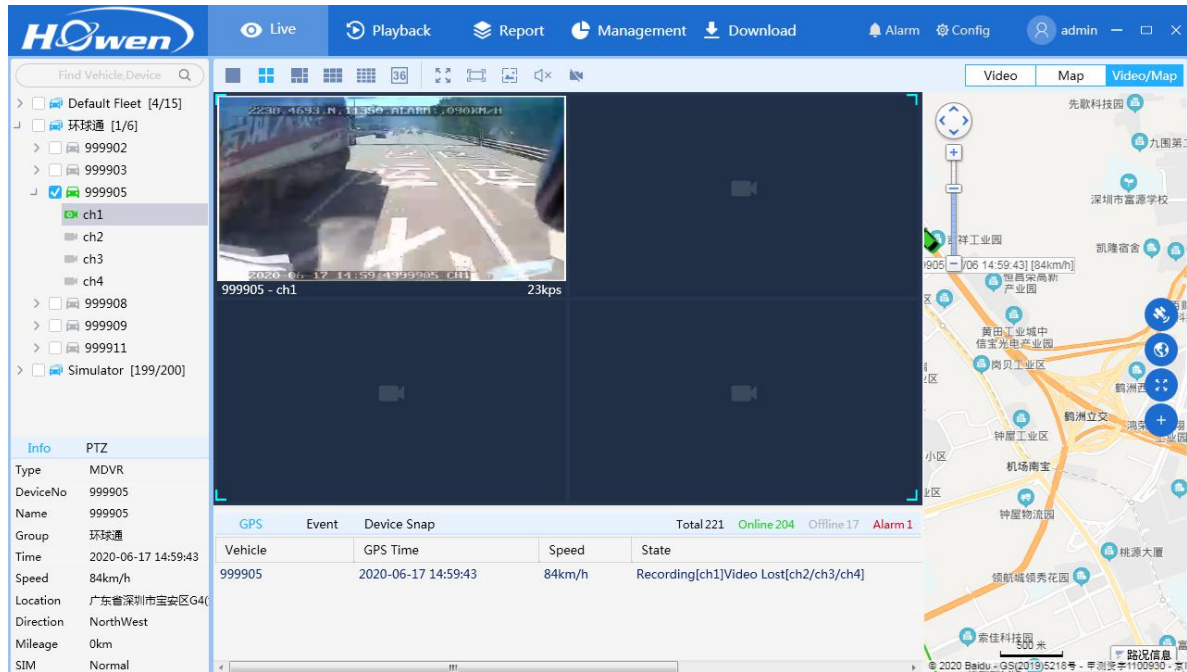
Map Bar: Video, Map, Video&map mode for viewing.

4.Menu

Menu Bar contains live ,playback, Report,management, download, alarm, config.

4.1Live

Double-click on the online(green or red icon) device or channel to view the video.



4.1.1 Tool Bar



View mode for option. The details :



1,4,5,9,16 ,36windows mode.



: Full screen



: Aspect ratio



: Snapshot



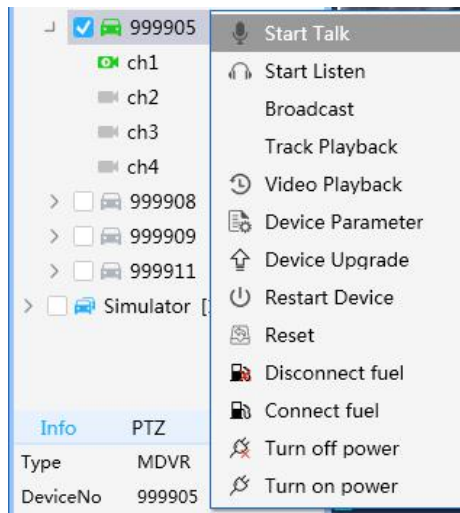
: Sound



: close all windows

4.1.2 Function

Right-click the online vehicle. It will pop-up a menu list .



Start Talk: Talk to drivers by intercom.

Start Listen: Listen from the vehicle (the camera supports microphone).

Broadcast: Speak to the device (device should have a loudspeaker).

Track playback: Play the GPS info on the map.

Video Playback: Playback the history files in the device.

Device Update: Upgrade the firmware remotely. But we suggest upgrade the firmware by USB driver on the device directly.

Device Parameter: You can remotely change some parameters at VSS client. It's the same as MDVR's menu. After change, click **Apply** to save.

Version			
UBoot	V16072701	Kernel	V16100901
App	T200612A0	MCU	V19082701
FileSystem	T18112003		
Hardware	38		

Base Setting			
DeviceNo	123456	设备ID	999905
Terminal	10	Factory ID	10
Province	13	City	755
Server1 Protocol	T Protocol	GPS Report Interval	10 Second
Server2 Protocol	H Protocol	GPS Report Interval	10 Second

Clock			
DateTime Format	yyyy/MM/dd	Time Sync	GPS
Time Zone	GMT+08 0M	NTP	www.ntp.com 123
Timeout	60	Buzzer	开启

Power Management			
Power Mode	ACC	Delay Off	3 Minute
Power On	00:00:00	Power Off	23:59:59
ACC Off Record	CH1 CH2 CH3 CH4	Screen Time	3 Minute
		Record Delay	3 Minute

Restart device: Re-boot the device.

Reset: Reset most of the settings on the device, please be attention!

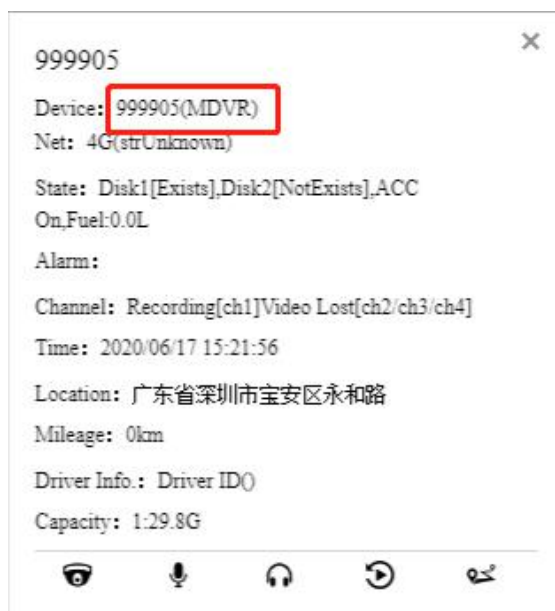
Disconnect/connect fuel, Turn on/off power: These function should work with external

relays & circuit and output sensor1 &2 of MDVR.



Select a specific channel, right-click and select **Device Snap** to capture directly. **Operation success** will be displayed on the screen.

4.1.3 Short-cut Key



Click the vehicle on the map, you can also get info from vehicle.



: Live



: Talk



:Listen

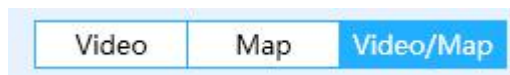


: Video playback



:Track Playback

4.1.4 View Mode



Switch among these mode.

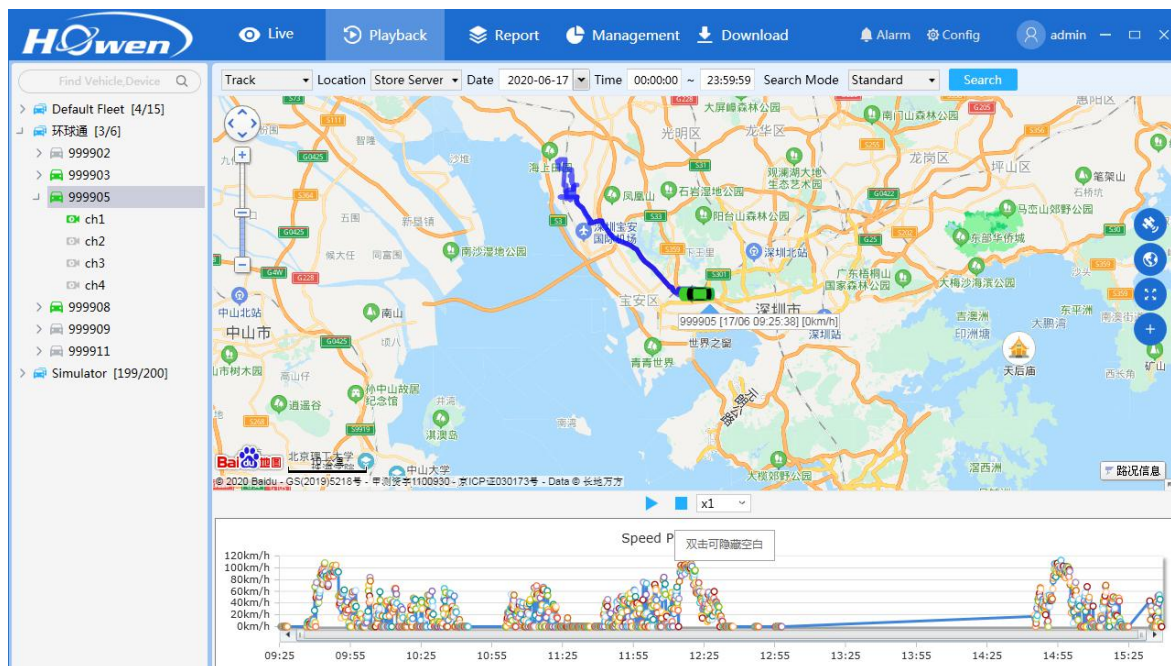
4.1.5 Status Bar

GPS	Event	Device Snap	Total 221 Online 205 Offline 16 Alarm 6				
Vehicle	Device	Time	Location	Speed	Event Type	Description	
999903	999903	2020/6/17 15:33:43		0km/h	Device Online		
999905	999905	2020/6/17 15:33:17	广东省深圳市宝安区永和路	4km/h	Device Online		
999905	999905	2020/6/17 15:25:05	广东省深圳市宝安区永和路	4km/h	Device Offline		
999903	999903	2020/6/17 15:19:20		0km/h	Device Offline		

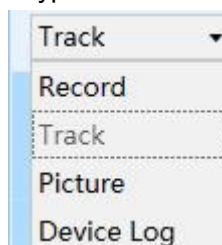
Include GPS info,event info,device snap.

4.2 Playback

We can playback GPS track, files from online device or server in this page. And we can export files after search.



Type



Record : Recorded videos.

Track :GPS info (stored in channel 1 only).

Picture: Snapshot by alarm or scheduled snapshot.

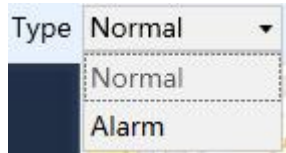
Device log : Log info.

Location



Download server : Stored in WIFI download server.

Device: Files on the SD card or HDD from MDVR.



4.2.1 Recode

It will show the whole files sorted by timeline, double-click to play.



Tool bar : Snapshot, full screen, Cut, view mode, sound ,play ,stop, channels.



:Capture.



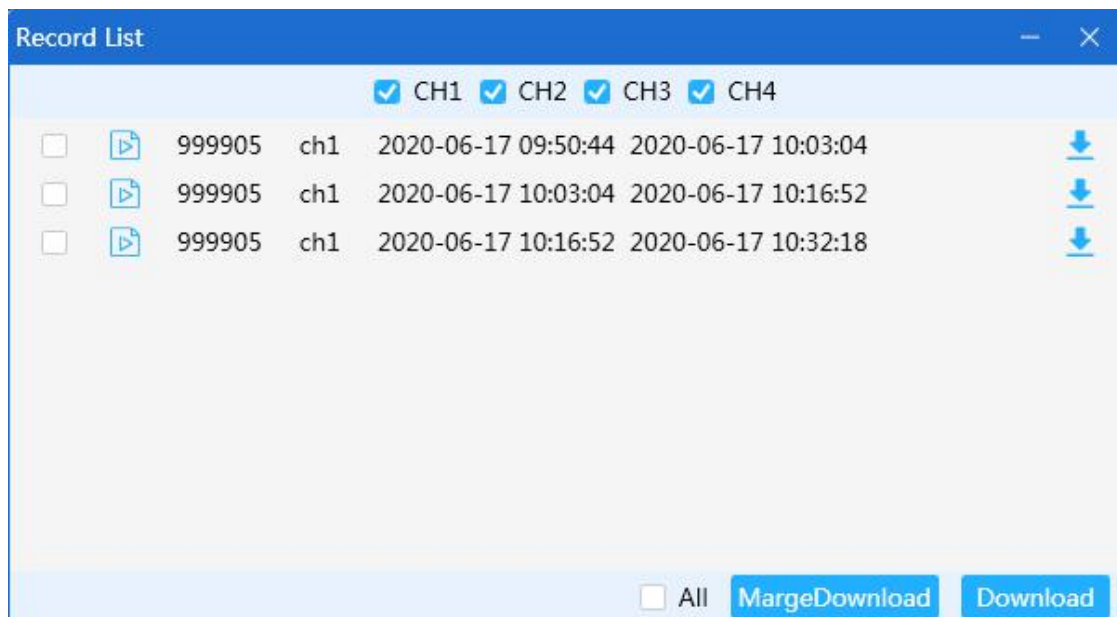
:FullScreen,press “esc” to restore.



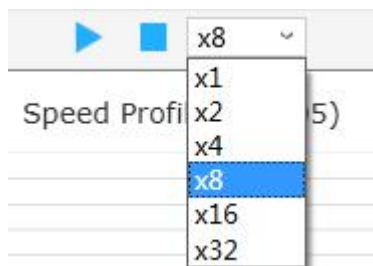
:Hold on the left-key of mouse to cut the videos.it will pop-up this windows.



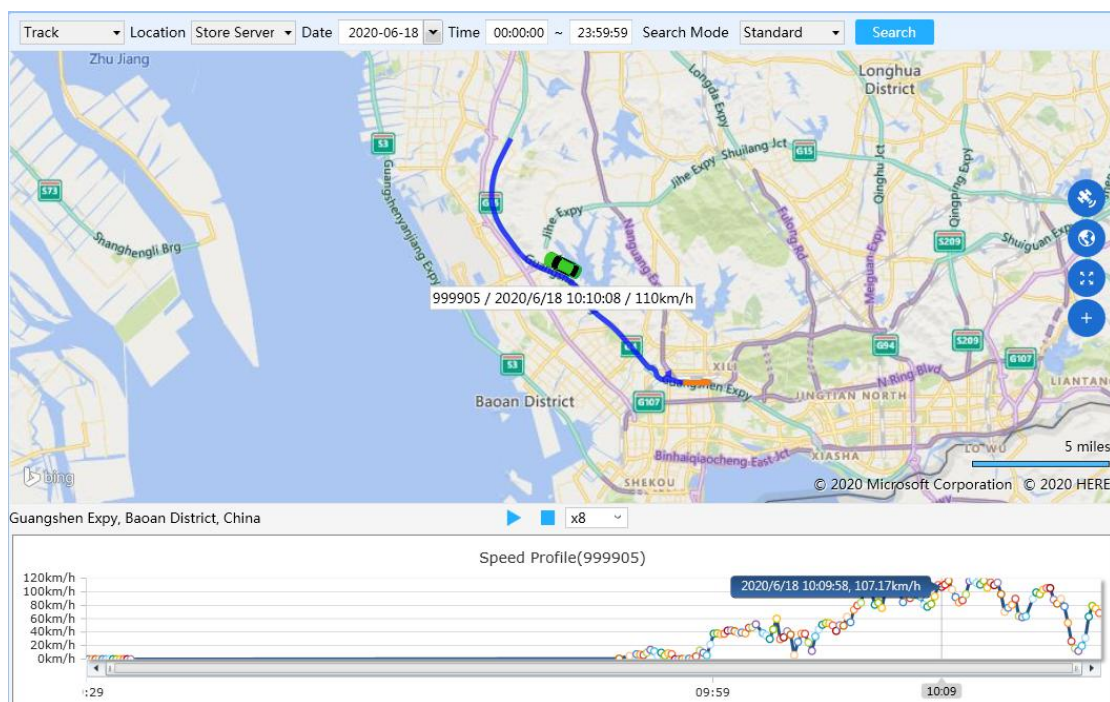
:Screen Split.



4.2.2 Track

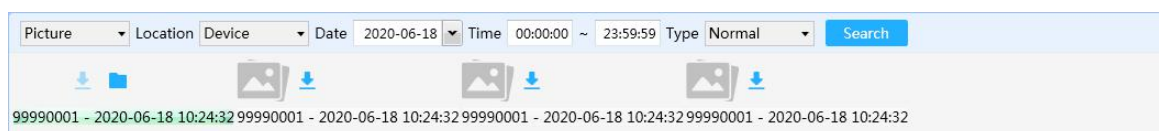


You can choose the playback speed, **x1,x2,x4,x8,x16,x32**.



Click a point on the **speed profile** map to display the location of the vehicle at this time. The specific location is displayed in the status bar at the upper left corner.

4.2.3 Picture

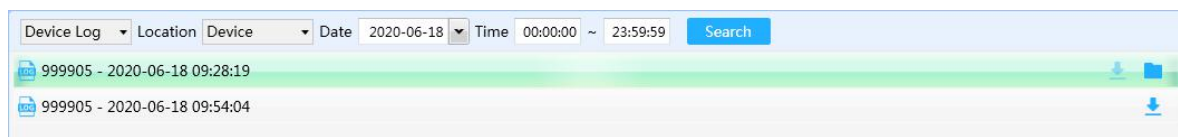


Snapshot include **normal** and **alarm**.location space is divided into **Store Server** and **Device**.

After selecting a specific channel to complete the capture(Operate in **live**.), the **picture** will be displayed here.

Click the download button, the display bar of the picture file will turn green, and you can click the file icon to view.

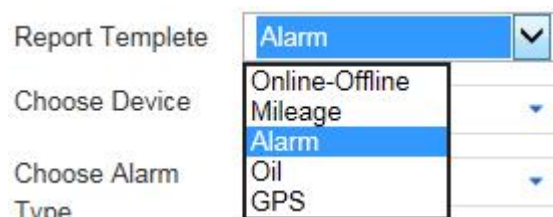
4.2.4 Device Log



Click the download button, the display bar of the downloaded log file will turn green, and you can click the file icon to view.

4.3 Report

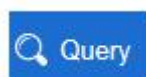
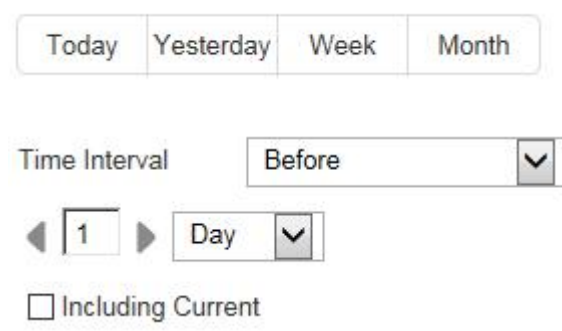
The drop-down box for Report Template includes Online-Offline, Mileage, Alarm, Oil, GPS.



Choose **Appointed Time**, set Begin Time and End Time. You can search related reports during this period.



Choose **Before**, Manually enter the number and select the time unit, and optionally check **including Current**.



:Query report directly.



:Export to Excel file, file format is XLS.

4.3.1 Online-Offline

<div> Live Playback Report Management Download Alarm Config admin </div>				
Report Template	Online-Offline	No	Device No	Access Mode
Choose Device	0006	1	0006	Offline
Today Yesterday Week Month		2	0006	Wifi
Time Interval	Appointed Time	3	0006	Offline
Begin Time	2020-06-18 00:00:00	4	0006	Wifi
End Time	2020-06-18 23:59:59	5	0006	Offline
Query		6	0006	Wifi
Export To Excel				
Page Size: 100 / 1 Total Size: 6				

4.3.2 Mileage

<div> Live Playback Report Management Download Alarm Config admin </div>				
Report Template	Mileage	No	Device No	Mileage
Choose Device	0006	1	0006	0
Today Yesterday Week Month		2	0006	0
Time Interval	Appointed Time	3	0006	0
Begin Time	2020-06-18 00:00:00	4	0006	0
End Time	2020-06-18 23:59:59	5	0006	0
Query		6	0006	0
Export To Excel		7	0006	0
		8	0006	0
		9	0006	0
		10	0006	0
		11	0006	0
		12	0006	0
		13	0006	0
		14	0006	0
		15	0006	0
		16	0006	0

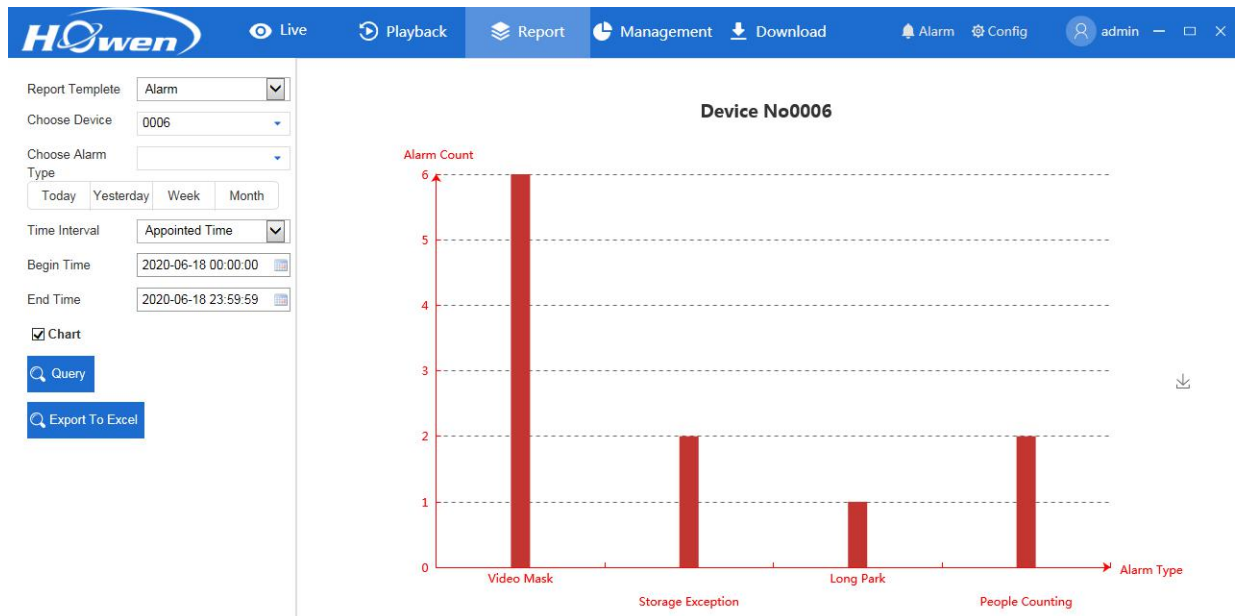
4.3.3 Alarm

Choose Alarm type, include **All**, **Video Lost**, **Motion Detection**, **Video Mask**, **Input Trigger**, **Emergency**, **Low Speed**, **Over Speed**, **Low Temperature**, **High Temperature**, **Humidity**, **Long Park**, **Shake**, **EZone Defence**, **Eline** etc.

H Owen							
Live Playback Report Management Download Alarm Config admin							
Report Template	Alarm	No	Device No	Alarm Type	Create Time	Alarm Start/End	Takeup User
Choose Device	0006	1	0006	Video Mask	2020-06-18 13:31:18	End Alarm	
Choose Alarm		2	0006	Video Mask	2020-06-18 13:31:03	Start Alarm	
Type	All		0006	Video Mask	2020-06-18 12:25:42	End Alarm	
Today Yesterday	Video Lost		0006	Video Mask	2020-06-18 12:25:27	Start Alarm	
Time Interval	Motion Detection						
Begin Time	Video Mask		0006	People Counting	2020-06-18 09:24:29	End Alarm	
End Time	Input Trigger		0006	People Counting	2020-06-18 09:24:28	End Alarm	
Chart	Emergency		0006	Long Park	2020-06-18 09:23:52	Start Alarm	
Query	Low Speed		0006	Storage Exception	2020-06-18 09:23:50	End Alarm	
Export To Excel	Over Speed		0006	Storage Exception	2020-06-18 09:23:50	End Alarm	
	Low Temperature		0006	Video Mask	2020-06-18 08:24:36	End Alarm	
	High Temperature		0006	Video Mask	2020-06-18 08:24:21	Start Alarm	
	Humidity						
	Long Park						
	Shake						
	EZone Defence						
	ELine						
	Illegal Open Door						
	Storage Exception						
	Fatigue Driving						
	Oil Exception						
	Acc Invalid						
	Gps Exception						
	Front Panel Open						

Page Size: 100 Go To: 1 / 1 Total Size: 11

Select **chart** to display the alarm type and specific alarm times of the Device.



4.3.4 Oil

<div> <div> Live Playback Report Management Download </div> <div> Alarm Config <div>admin</div> </div> </div>					No	Device No	Oilmass	Create Time
<div> <div>Report Template: Oil</div> <div>Choose Device: 0006</div> <div> <div>Today</div> <div>Yesterday</div> <div>Week</div> <div>Month</div> </div> <div>Time Interval: Appointed Time</div> <div>Begin Time: 2020-06-18 00:00:00</div> <div>End Time: 2020-06-18 23:59:59</div> <div>Query</div> <div>Export To Excel</div> </div>					1	0006	0	2020-06-18 14:49:38.0
					2	0006	0	2020-06-18 14:49:35.0
					3	0006	0	2020-06-18 14:49:32.0
					4	0006	0	2020-06-18 14:49:29.0
					5	0006	0	2020-06-18 14:49:26.0
					6	0006	0	2020-06-18 14:49:23.0
					7	0006	0	2020-06-18 14:49:20.0
					8	0006	0	2020-06-18 14:49:17.0
					9	0006	0	2020-06-18 14:49:14.0
					10	0006	0	2020-06-18 14:49:11.0
					11	0006	0	2020-06-18 14:49:08.0
					12	0006	0	2020-06-18 14:49:05.0
					13	0006	0	2020-06-18 14:49:02.0
					14	0006	0	2020-06-18 14:48:59.0
					15	0006	0	2020-06-18 14:48:56.0
					16	0006	0	2020-06-18 14:48:53.0

4.3.5 GPS

Howen

Live

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Alarm

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admin

Report Template

GPS

Choose Device

99990005

Today

Yesterday

Week

Month

Time Interval

Appointed Time

Begin Time

2020-06-18 00:00:00

End Time

2020-06-18 23:59:59

Query

Export To Excel

No	Device No	Longitude	Latitude	Altitude	Create Time	Speed	Precision	Direct	Satellite	Location Mode	Oil mass	Record State	Video Lost State	Video Mask State	Io State	Over Speed	Low Speed	Urgency	Acc State
1	9999000	114.12022	54.162	170	2020-06-18 14:50:32	0	50	121	0	1	0	15	0	0	0	0	0	0	1
2	9999000	114.12022	54.142	270	2020-06-18 14:50:24	26	50	121	0	1	0	15	0	0	0	0	0	0	1
3	9999000	114.11922	54.079	974	2020-06-18 14:50:12	34	50	121	0	1	0	15	0	0	0	0	0	0	1
4	9999000	114.11922	54.031	1413	2020-06-18 14:50:02	24	50	121	0	1	0	15	0	0	0	0	0	0	1
5	9999000	114.11822	53.992	360	2020-06-18 14:49:52	11	50	166	0	1	0	15	0	0	0	0	0	0	1
6	9999000	114.11822	53.981	187	2020-06-18 14:49:42	0	50	121	0	1	0	15	0	0	0	0	0	0	1
7	9999000	114.11722	53.951	1900	2020-06-18 14:49:32	18	50	121	0	1	0	15	0	0	0	0	0	0	1
8	9999000	114.13722	57.122	565	2020-06-18 14:49:22	60	50	76	0	1	0	15	0	0	0	0	0	0	1
9	9999000	114.13722	56.962	2086	2020-06-18 14:49:12	64	50	76	0	1	0	15	0	0	0	0	0	0	1
10	9999000	114.13722	56.811	1882	2020-06-18 14:49:02	59	50	76	0	1	0	15	0	0	0	0	0	0	1
11	9999000	114.13722	56.672	109	2020-06-18 14:48:52	54	50	76	0	1	0	15	0	0	0	0	0	0	1
12	9999000	114.13722	56.561	1164	2020-06-18 14:48:42	54	50	315	0	1	0	15	0	0	0	0	0	0	1
13	9999000	114.13922	56.441	1758	2020-06-18 14:48:32	62	50	315	0	1	0	15	0	0	0	0	0	0	1
14	9999000	114.13922	56.334	3	2020-06-18 14:48:22	63	50	315	0	1	0	15	0	0	0	0	0	0	1

4.4 Management

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admin

Fleet(3)

+ Add Fleet

Batch Delete

Role(1)

Default Fleet(15)

Rule(1)

环球通(6)

Simulator(200)

+ Add Vehicle

Batch Add Vehicle

Batch Delete

Device No:

Search

	Device No	Is Online	Last Online Time	Last Offline Time			
	0004	Offline	2020-06-15 16:08	2020-06-15 16:35			
	0005	Offline	2020-06-17 21:22	2020-06-17 21:25			
	0006	Wifi	2020-06-18 11:36	2020-06-18 11:35			
	0008	Offline	2020-06-17 12:00	2020-06-17 12:00			
	060101	Wifi	2020-06-18 05:44	2020-06-18 05:42			
	060102	Offline	2020-06-01 17:15	2020-06-01 17:15			
	060103	Wifi	2020-06-18 05:44	2020-06-18 05:42			
	060104	Wifi	2020-06-18 14:43	2020-06-18 14:41			
	20180815a4	Offline	2020-06-04 11:32	2020-06-04 11:32			
	20191122	Offline	2020-06-09 20:08	2020-06-09 20:09			
	20191123	Offline	2020-06-17 10:17	2020-06-17 10:19			
	20198002	Offline	2020-06-04 15:34	2020-06-04 15:36			

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4.4.1 Fleet

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admin

Fleet(3)

+ Add Fleet

Batch Delete

Role(1)

Default Fleet(15)

Rule(1)

环球通(6)

Simulator(200)

+ Add Vehicle

Batch Add Vehicle

Batch Delete

Device No:

Search

	Device No	Is Online	Last Online Time	Last Offline Time			
	0004	Offline	2020-06-15 16:08	2020-06-15 16:35			
	0005	Offline	2020-06-17 21:22	2020-06-17 21:25			
	0006	Wifi	2020-06-18 11:36	2020-06-18 11:35			
	0008	Offline	2020-06-17 12:00	2020-06-17 12:00			
	060101	Wifi	2020-06-18 05:44	2020-06-18 05:42			
	060102	Offline	2020-06-01 17:15	2020-06-01 17:15			
	060103	Wifi	2020-06-18 05:44	2020-06-18 05:42			
	060104	Wifi	2020-06-18 14:43	2020-06-18 14:41			
	20180815a4	Offline	2020-06-04 11:32	2020-06-04 11:32			
	20191122	Offline	2020-06-09 20:08	2020-06-09 20:09			
	20191123	Offline	2020-06-17 10:17	2020-06-17 10:19			
	20198002	Offline	2020-06-04 15:34	2020-06-04 15:36			

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Fleet part

+ Add Fleet

Batch Delete

TEST(1)

Default Fleet(0)

 **Add Fleet** :

 **Batch Delete** :



:Modify

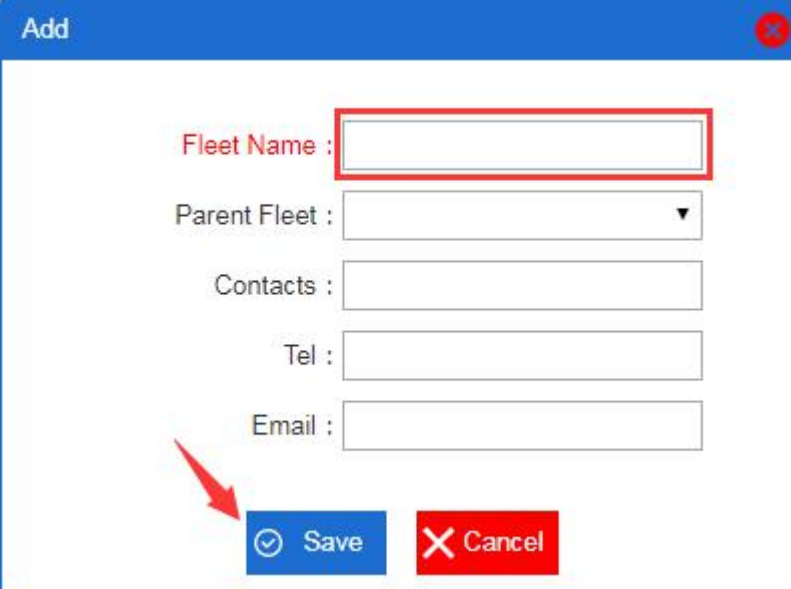


:Delete



:Copy

Click **Add Fleet**,add Fleet Name and more details.



4.4.2 Vehicle

Fill in **Device No**,click to **show more**,add the vehicle to **fleet**.

Add

Icon:

Device No:

Device Name:

Device Type: Hero-ME41-04 ▼

Audio-video Number:

Speaker Number:

Input Number:

Output Number:

Channel Name:

Click to show more

Add

Channel Name:

Sim:

imei:

imsi:

phone:

Stream Server: Streaming ▼

Storage Server: Storage ▼

Gateway Server: Gateway ▼

Fleet: Default Fleet ▼

Engine No:

Chassis No:

Plate No:

Identity No:

Vehicle Type: A1 ▼

Manager:

Device No. The device ID.

Device Name: You can input plate number.

Device Type: Select one the type.

Audio-video Number: Channels.

Input/Output: Input the as device type.

Click to show more info about device.

Batch add vehicles, fill in **prefix**, quantity **range**, add vehicle to **fleet**.

Automatically fill in the Audio-video Number and other information according to the selected Device type.

Batch Add Vehicle

Example: prefix ft01, range 1-10, equipment such as ft010001, ft010002... Will be created

Prefix:

Range: -

Device Type: Hero-ME41-04 ▼

Audio-video Number:

Speaker Number:

Input Number:

Output Number:

Channel Name:

Stream Server: Streaming ▼

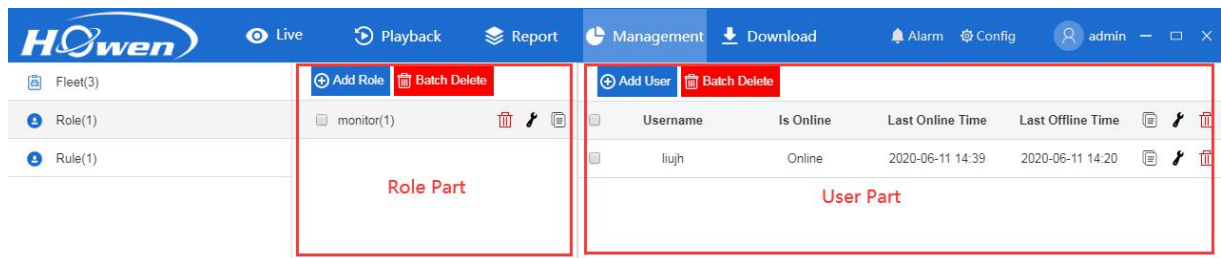
Storage Server: Storage ▼

Gateway Server: Gateway ▼

Fleet: Default Fleet ▼

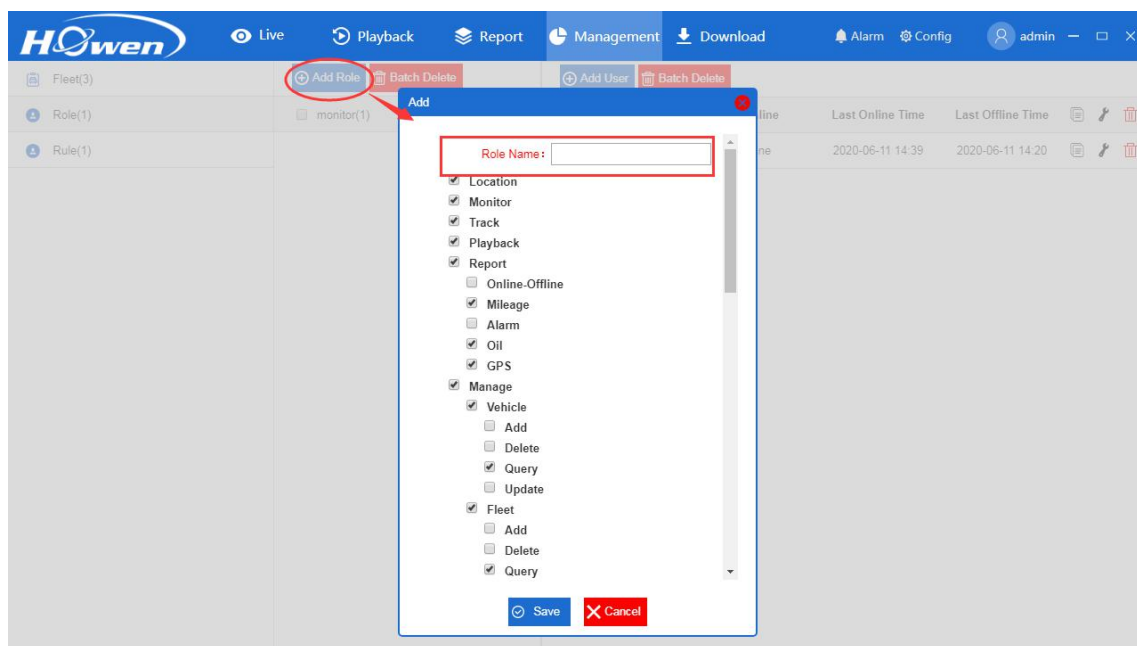
Vehicle Type: A1 ▼

4.4.3 Role and User

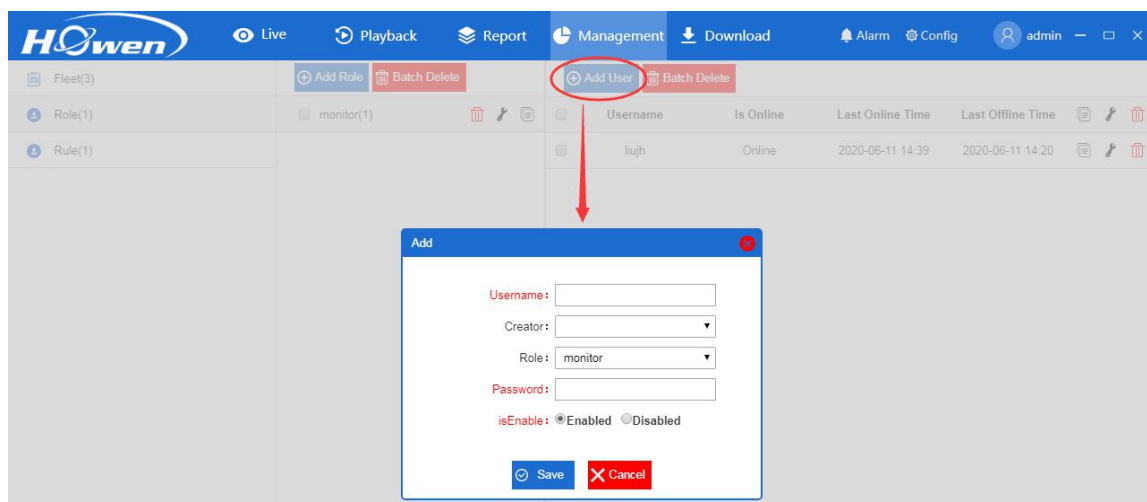


Role means the combination of authorization.

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



Add User, fill in **Username**, **Role**, **password**, check is **Enable**.



4.4.4 Rule

Hovewen			Live	Playback	Report	Management	Download	Alarm	Config	admin			
Fleet(3)	Alarm Video Download	guid	Rule Name										
Role(1)		1	Alarm video download strategy										
Rule(1)													

Hovewen

Live Playback Report Management Download Alarm Config admin

Fleet(3) Alarm Video Download guid Rule Name

Role(1) Alarm video download strategy

Rule(1)

Modify

Rule Name: Alarm video download strategy

isEnabled: ☒ Enabled ☐ Disabled

Rule: First Int First Down

Valid Device Network Type

☒ Cable ☒ Wifi ☒ 2G ☒ 3G ☒ 4G ☒ 5G

☒ Wifi And 3/4/5G ☒ Cable And 3/4/5G

Video Download Data Type

☒ Video I Frame ☒ Video P Frame

☒ Audio Frame ☒ State Info

Download Video Camera

☒ Channel1 ☒ Channel2 ☒ Channel3 ☒ Channel4

☐ Channel5 ☐ Channel6 ☐ Channel7 ☐ Channel8

☐ Channel9 ☐ Channel10 ☐ Channel11 ☐ Channel12

Video Storage Days: 30

Number Of Failed Download Retries: 10

Time Between Retries: 30

Valid Alarm Start Time: 00:00:00

Save Cancel

Hovewen

Live Playback Report Management Download Alarm Config admin

Fleet(4) Alarm Video Download guid Rule Name

Role(1) Alarm video download strategy

Rule(1)

Modify

Video Storage Days: 30

Number Of Failed Download Retries: 10

Time Between Retries: 30

Valid Alarm Start Time: 00:00:00

Valid Alarm Stop Time: 23:59:59

Video Lead Time: 10

Video Later Time: 20

Alarm Content

☐ Video Lost ☐ Motion Detection ☐ Video Mask

☒ Input Trigger ☒ Emergency ☐ Low Speed

☐ Over Speed ☐ Low Temperature ☐ High Temperature

☐ Humidity ☐ Long Park ☐ Shake

☐ EZone Defence ☐ ELine ☐ Illegal Open Door

☐ Storage Exception ☐ Fatigue Driving ☐ Oil Exception

☐ Acc Invalid ☐ Gps Exception ☐ Front Panel Open

☐ Swipe ☐ IButton ☐ Rapidly Accelerate

☐ Sharp Slowdown ☐ Low Speed Warning ☐ High Speed Warning

☐ Voltage

☐ People Counting ☐ DMS And ADAS

Save Cancel

Rule:First in First Down & Later In First Down

Valid Device Network Type:Cable,Wifi,2G,3G,4G,5G

Video Download Data Type:Video I Frame,Video P Frame,Audio Frame,State Info

Download Video Camera:channel selection

Video Storage Days:set video storage days

Number Of Failed Download Retries

Time Between Retires:Interval between attempts

Valid Alarm Start Time&Stop Time:set alarm time

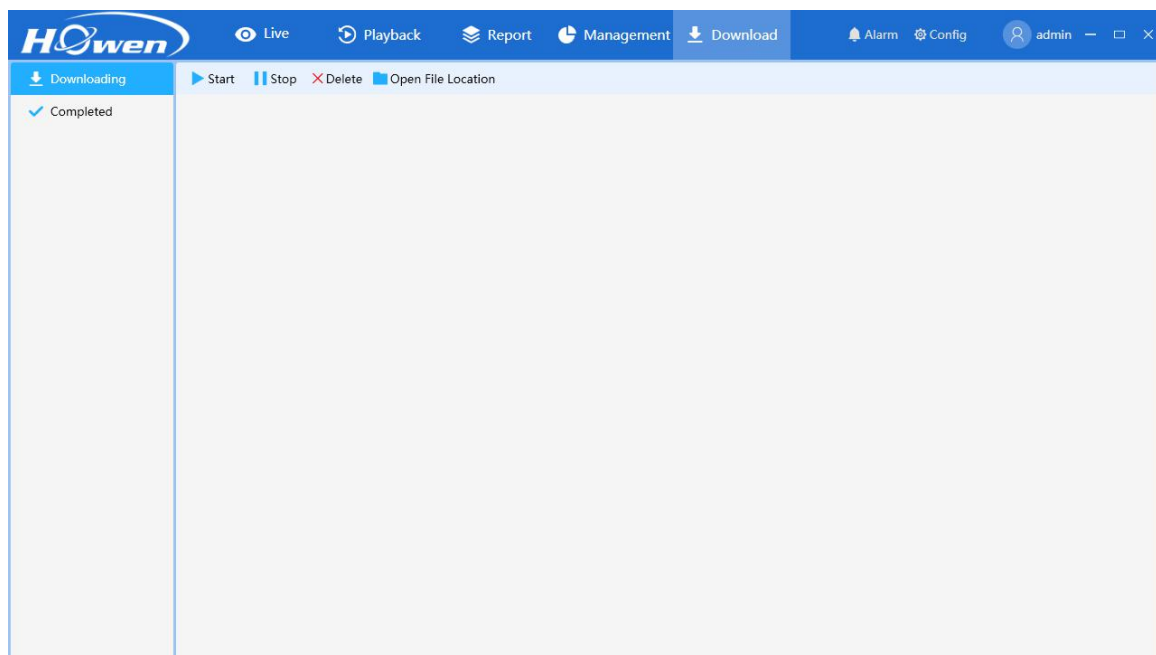
Video Lead Time &Video Later Time

Alarm Content:Video Lost,Motion Detection,Video Mask,Input Trigger,Emergency,Low Speed etc.

Note:It needs to be configured, otherwise it will automatically download multiple types of alarm recording, resulting in fast traffic consumption.

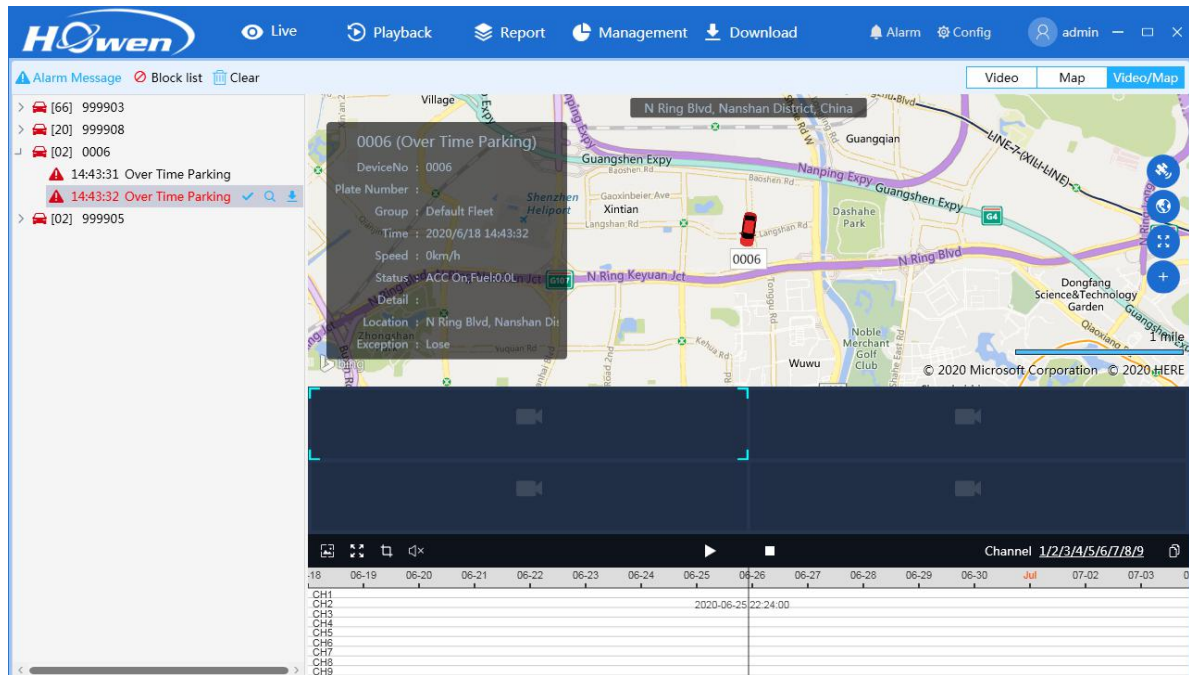
4.5 Download

We can see download progress and files in this page.



5. Alarm

We can click on Alarm button to see alarm details and click it again to hide the details.



Specific alarms can be checked in the block list.



6. Config

We can set parameters of client software in this page.

Howen Live Playback Report Management Download Alarm Config admin

System Parameter

Device Upgrade About

Normal

Language: English-US Theme: Default **Import**

Video

MaxVideoWindow: 36 Default RealStream: ☐ Main Stream ☒ Sub Stream

☒ Auto close video after no operation for: 1 Minute

☐ Auto open last live video windows at starting ☒ Playback video stop notification

Capture Store Path: C:\Users\Vincent\Documents\VSS Client\captureFiles **Browse**

Download Store Path: C:\Users\Vincent\Documents\VSS Client\download **Browse**

Map/GPS

GoogleMapKey: AlzaSy8M092n7UxuVQENz7SLgY5DRbZ7IIEFAJU BaiduMapKey: gsT8vSkW3rsPhtCmPUZ7X1NkzlgmgVIW

Map: Bing Restart client to take effect Speed Unit: ☒ km/h ☐ mile/h ☐ NMile/h ☐ Remember Last Location

GPS Update Interval(Second): 5 Second ☒ Auto locate when adding new vehicle to map

☒ when click vehicle, auto zoom to %: 80% ☐ Auto load vehicles to map ☒ Vehicle title contains speed info.

☒ Vehicle title contains GPS time

Track Query

☒ Sort points by time ☒ Filter abnormal track point: 200 km/h ☒ Missing segment: 30 Minutes ☒ Show alarm points

Language : change the language.

Theme: You can change another theme.

Video:

1. Change the resolution for the image, main-stream or sub-stream. Sub-stream will save the 3G/4G data.
2. Auto close windows live video: it will close the live streaming after the setting time for saving the 3G/4G data.
3. Set the capture and video download path.

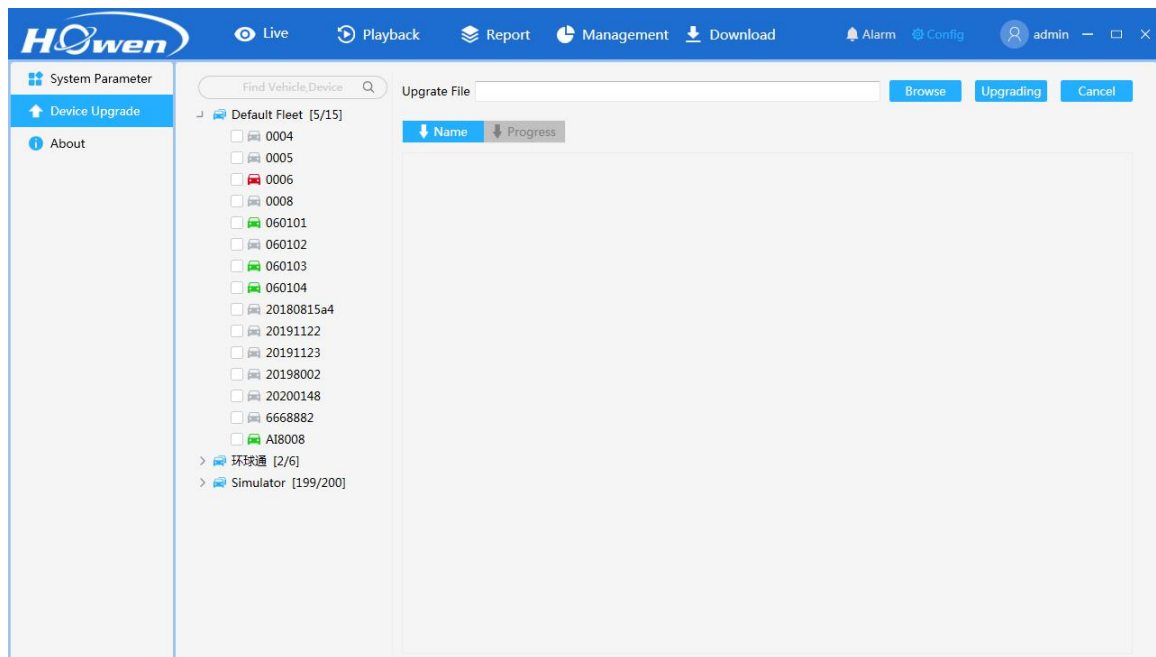
Map/GPS:

Map: Change map type, speed unit or GPS upload interval.

Speed unit: Change the type of unit.

GPS update interval: You can change the GPS refresh time.

When Click vehicle, auto zoom it 100%, it will locate and zoom the vehicle on the map.



You can upgrade firmware for device one by one when the device is online.