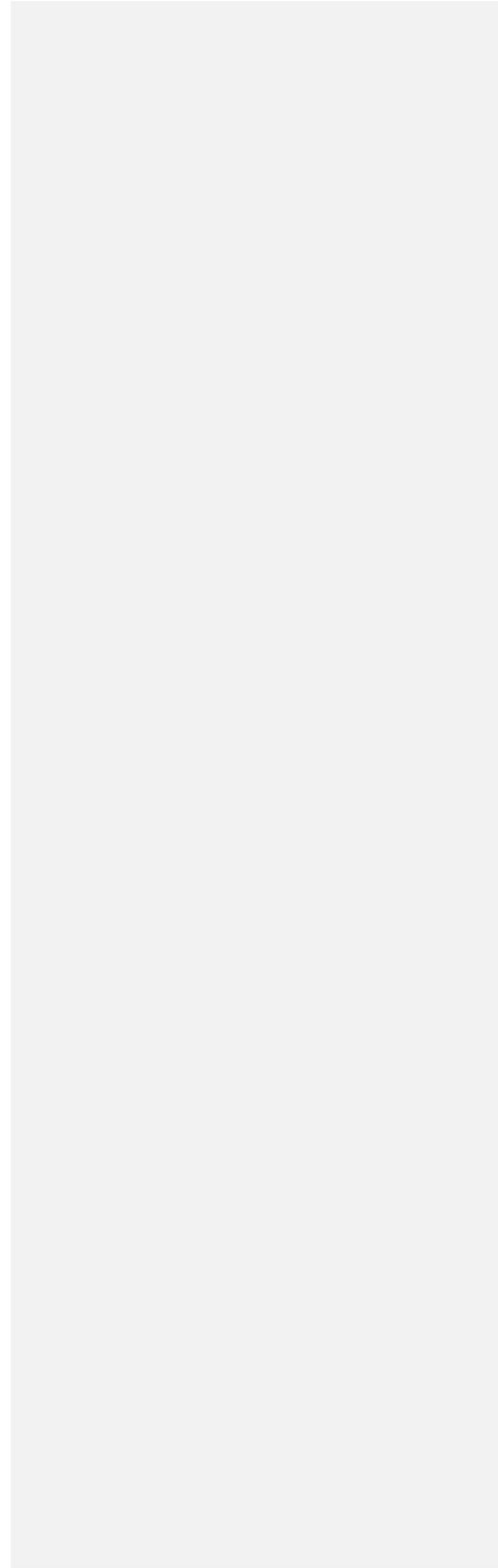


Network client specification

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1. Features of the client

network client is a multi-functional remote monitoring DVR software, the main functions are real-time video monitoring, video file download, vehicle history track display, vehicle GPS positioning, real-time alarm, log and alarm information query.

Specialty:

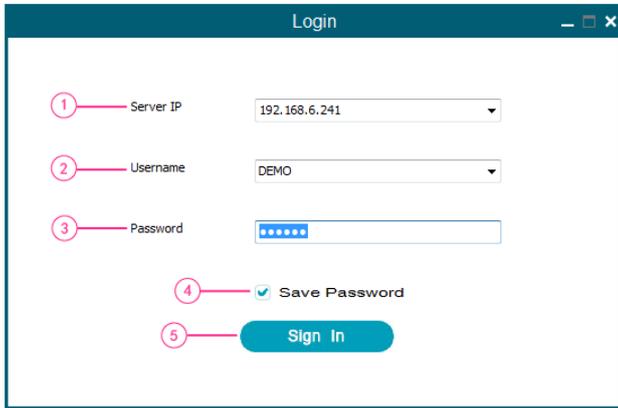
- (1) It can display high-definition pictures and standard 8-channel DVR video screen.
- (2) can receive and display DVR information, such as license plate number, geographical location, network connection, etc.;
- (3) multiple clients can display a DVR simultaneously;
- (4) support remote screenshots and save to the local directory;
- (5) able to display multiple DVRS simultaneously on Google maps;
- (6) can receive and display alarm information in real time;
- (7) support remote upgrade of DVR;
- (8) it can adapt to different resolutions and display normally in 4K screen;
- (9) when the client or server is suddenly disconnected and restored, it can automatically reconnect;
- (10) support remote DVR parameter setting;
- (11) support server file download and DVR file download;

2. Description of client operation

2.1 Login

The purpose of setting up the login window is mainly to connect with users. On the one hand, it is convenient for the retention of users' behavior information or other information.

On the other hand, it is also to protect users' follow-up privacy information and more secure monitoring information.

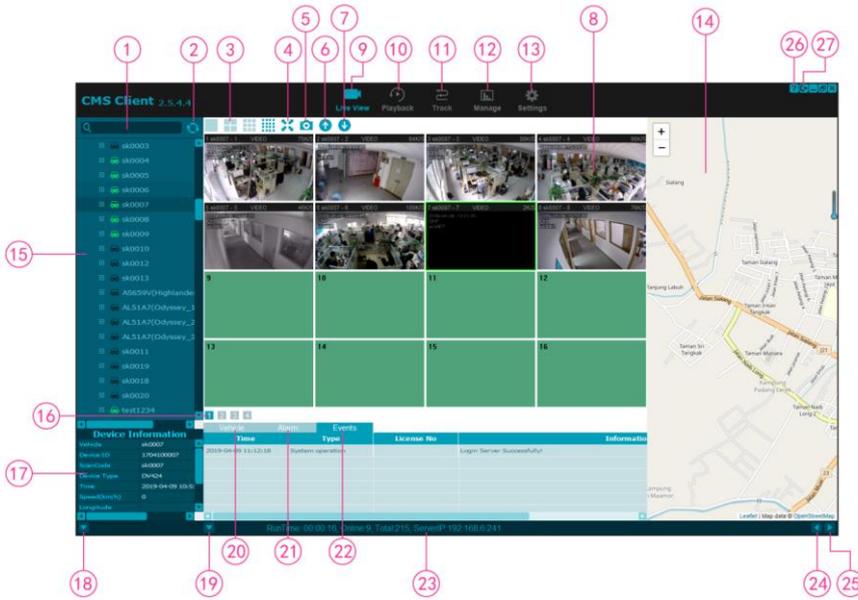


- (1) server IP: the server to which you want to connect, such as 183.233.190.23, can also be logged in with the domain name, such as dvr.stonkam.com;
- (2) user name: the user name assigned by the server;
- (3) password: represented by black dots;
- (4) remember the password: after remembering the password, the password will be filled in automatically the next time you log in;
- (5) login: click the button to log in;

Logout (logout) :

 Click the button in the upper right corner to log out.
The client closes and jumps to the login screen

2.2 Live video and GPS monitoring



1	Search Device	15	Device List
2	Refresh Device List	16	Pagination
3	Windows division	17	Device Information
4	Video fullscreen	18	Display or hide Device Information Box
5	Remote screenshot	19	Display or hide Information Tables
6	Last page of windows	20	Device Monitoring Information
7	Next page of windows	21	Real-time Alarm Information
8	Videos	22	DVR Notification & System Events
9	Real-time Video & GPS Monitoring	23	System Information
10	Downloading of Recording Files	24	out the ma
11	Vehicle Tracks checking	25	Hide or fold up the map
12	Device Information Management	26	Open the instructions of CMS or DVR
13	Local Settings	27	Log out
14	Map		

2.2.1 Device List

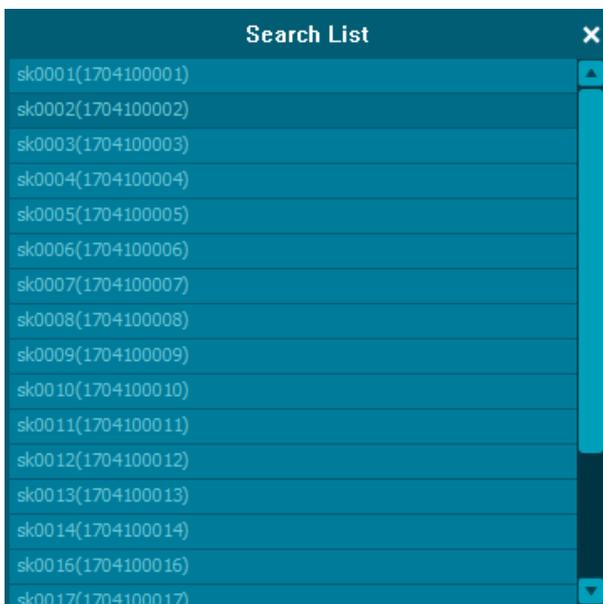
Displays the device registered with the server, the device group, and the channel name.

2.2.1.1 search for devices:

Enter the device name (such as sk) or device ID on the edit box,



Press the enter key to bring up the search result box, as shown in the figure below: double-click the device name in the result list to jump to the device.

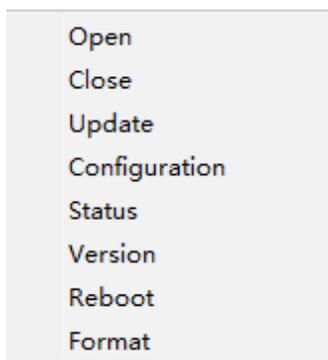


2.2.1.2 Refresh device list:

After adding a new device to the server, click the refresh button  to refresh the device list and the newly added device will be displayed.

2.2.1.3 Device right-click menu:

Right click the online device to pop up the following menu:



Open: Turn on all DVR videos

Close: Turn off all video from DVR

Update: Remote upgrade function of DVR

Configuration: Remote parameter configuration function of DVR

Status: View DVR status information

Version: View DVR version information

Reboot: To restart the DVR, you need to enter the login password of the DVR

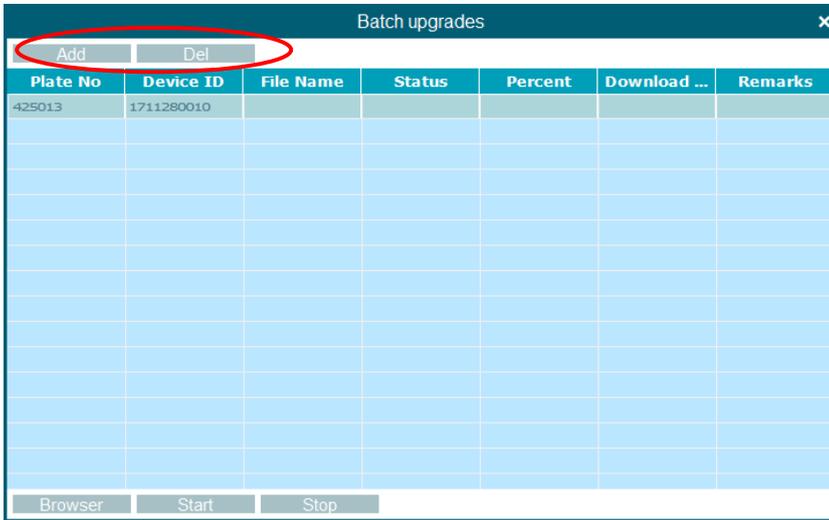
Format: To format DVR Video, you need to input the login password of DVR

2.2.1.4 Remote upgrade function:

The user can only upgrade the device in the online device. If the device needs to be upgraded, the user can select the device to be upgraded.

Step 1:

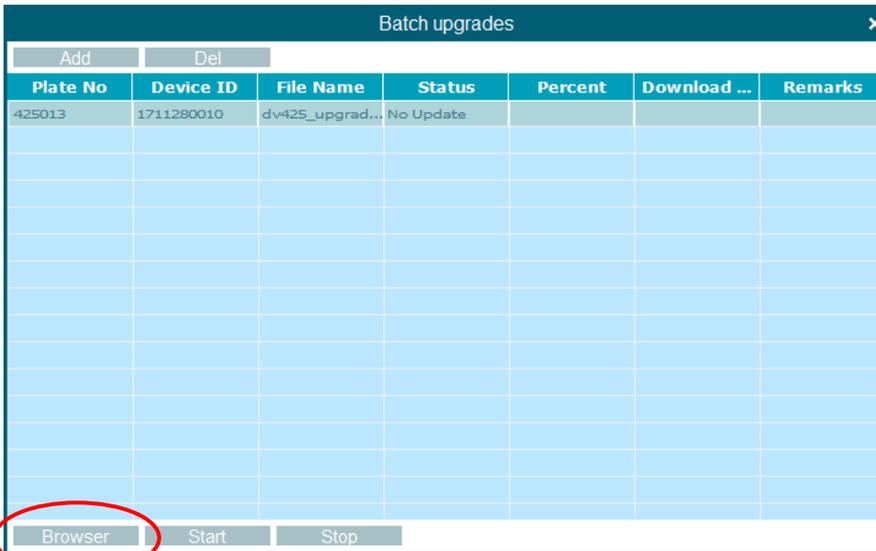
Select a line device, bring up the right-click menu, and select update, that is, the remote upgrade dialog box pops up, as shown in the figure below:



The selected device has been added to the upgrade list. Add and Del can be used to Add or remove devices from the upgrade list.

Step 2:

Click the Browser in the lower left corner and select upgrade package. The Name of the installation package is displayed in the File Name column of the table.



Step 3:

Select the device in the list that needs to be upgraded and click Start to send the installation package to the device. The table will show the delivery speed and progress.

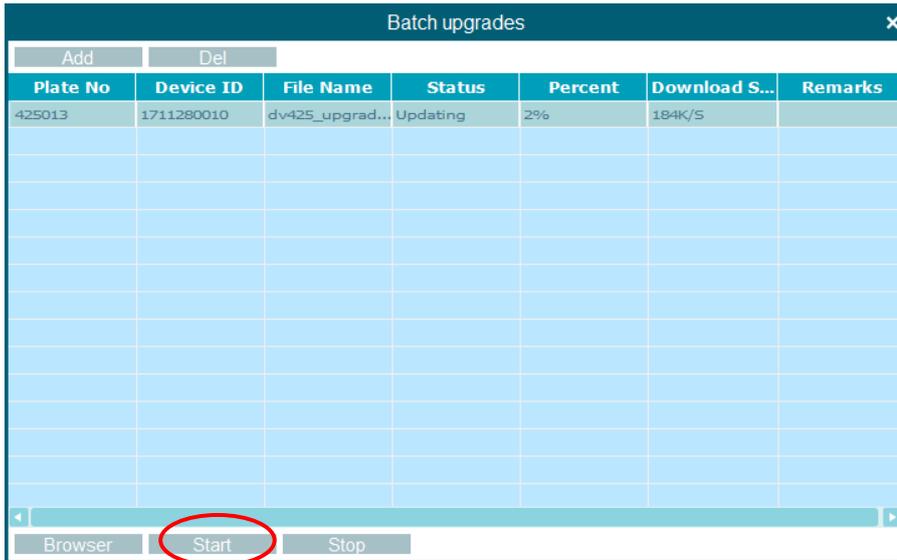


Plate No	Device ID	File Name	Status	Percent	Download S...	Remarks
425013	1711280010	dv425_upgrad...	Updating	2%	184K/5	

Buttons: Browser, Start, Stop

Step 4:

Installation package delivery completed. At this point, the device will enter the upgrade state, and it will be online again after the upgrade.



Plate No	Device ID	File Name	Status	Percent	Dow...	Remarks
425013	1711280010	dv425_upgrad...	Update success	100%		File transfer completed.

Buttons: Browser, Start, Stop

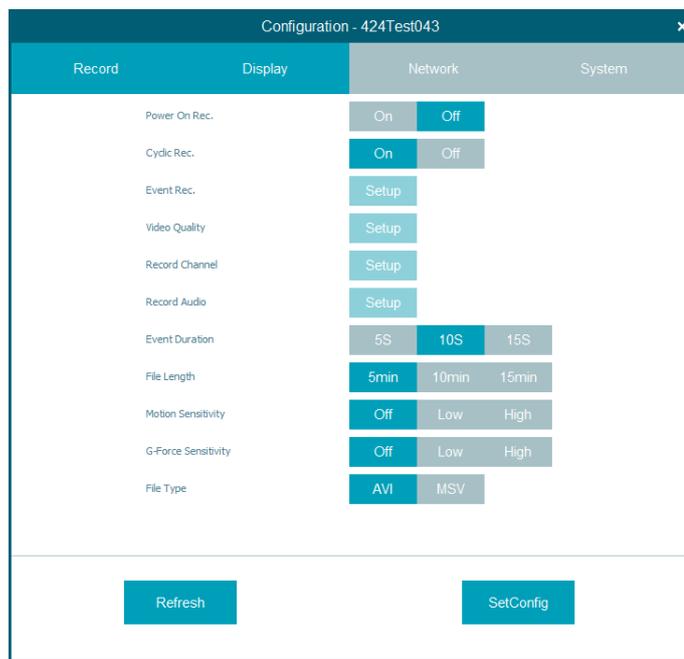
If the installation package failed to be delivered, the reason for the delivery failure will be shown in the Remarks column on the form.

Note: DVR must have SD card or SSD. If there is no SSD or SD card, it will prompt "no space" (remote upgrade can only be done with USB, USB can only be upgraded locally)

2.2.1.5 Remote parameter configuration function

01. Record:

Select a line device, bring up the right-click menu, and select Configuration, that is, the remote Configuration box pops up, as shown in the figure below:

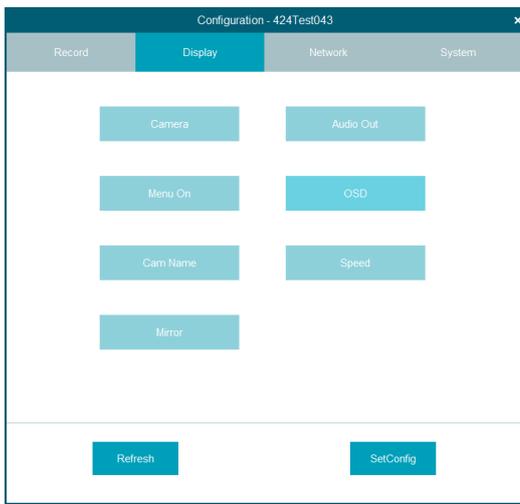


Refresh: Click the button to brush the current parameter information of DVR

SetConfig: It can be configured remotely

menu	View permissions	Modify permissions
Power On Rec.	Yes	Yes
Cycle Rec.	Yes	Yes
Event Rec.	Yes	Yes
Vedio Quality	Yes	Yes
Record Channel	Yes	Yes
Event Duration	Yes	Yes
File Length	Yes	Yes
Motion Sensitivity	Yes	Yes
G-Force Sensitivity	Yes	Yes
File Type	Yes	Yes

02. Display:



On the display page, you can view and modify the configuration of dvr camera / audio out / menu on / OSD / CAM name / speed.

function	View permissions	Modify permissions
Camera	Yes	Yes
Audio out	Yes	Yes
Menu on	Yes	Yes

OSD	Yes	Yes
Cam Name	Yes	Yes
Speed	Yes	Yes
Mirror	Yes	Yes

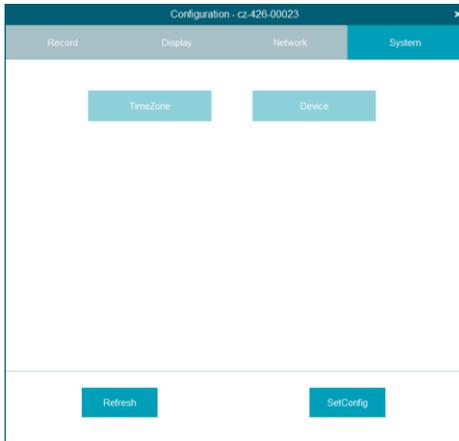
03. Network:



Through the network, you can check the LAN / WiFi / cellular / server / ftp status of DVR and modify the configuration of server / FTP.

function	View permissions	Modify permissions
LAN	Yes	Yes
WIFI	Yes	Yes
Cellular	Yes	Yes
Server	Yes	Yes
FTP	Yes	Yes

04. System:

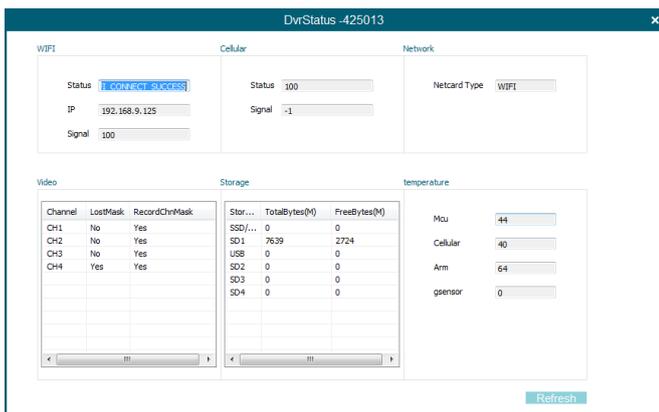


The system can be used to set and modify the state of timezone / device / ACC of DVR

function	View permissions	Modify permissions
Time Zone	Yes	Yes
Device	Yes	Yes
ACC	Yes	Yes

View device status information:

Select a line device, bring up the right-click menu, and select Status, that is, the device Status box pops up, as shown in the figure below:



The status information displayed is as follows:

WiFi: module state, IP, semaphore;

Cellular: the state of the module, the semaphore;

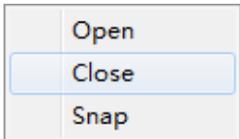
Network: type of connection (3G,WIFI, Network cable);

Video: lost and recorded Video channel;

Storage: total memory and available amount (SD card, hard disk,USB);

Temperature: the Temperature information of the DVR device

Select the channel of the device and bring up the right-click menu, as shown in the figure below:



Open: Open current channel

Close: Close current channel

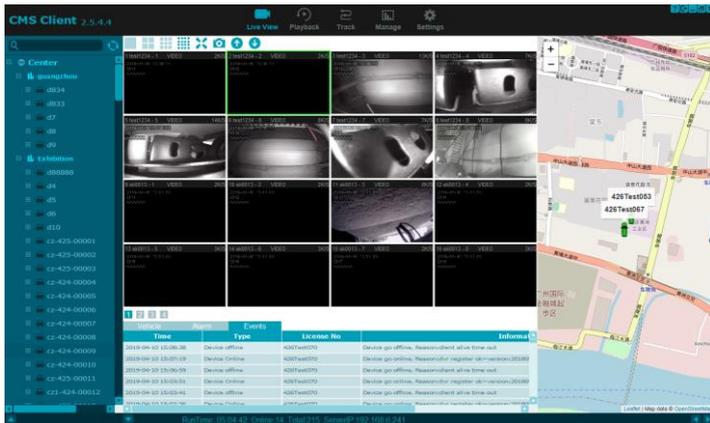
Snap: Remote screenshot function of current channel

2.2.1.6 Device information box:

Select an online device in the device list, and the device information will be displayed here, as shown in the figure below:



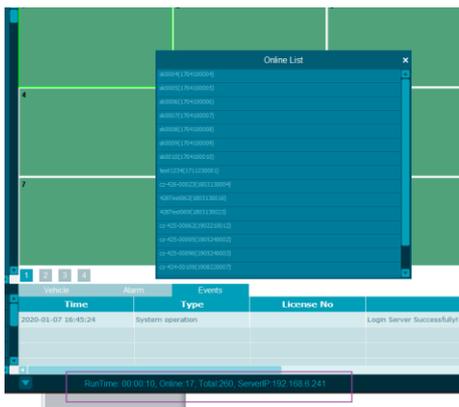
Click the button  in the lower left corner to fold up the device information box (as shown in the picture below). Click restore. 



2.2.1.7 Online device list:

Click the status of the main interface to filter and view the devices currently online. Double-click the device name in the list to jump to the device.

As shown in the figure below:



The meaning of searching file type log from device:

Logdevice is a scalable and fault-tolerant distributed log system. Designed from scratch, logdevice can provide large-scale, high reliability and high efficiency of multiple logs. It also supports a high degree of adjustability, allowing each use case to be optimized to make the right trade-off between durability efficiency and consistent availability space, which helps engineers debug.

2.2.3 Monitor DVR video in real time

Through real-time monitoring video, the driving condition of the vehicle can be first found, remote view and signal transmission are more conducive to the personal safety of the driver or passenger. Real-time browsing, video saving, video playback, remote monitoring, zoom in and out of small images.

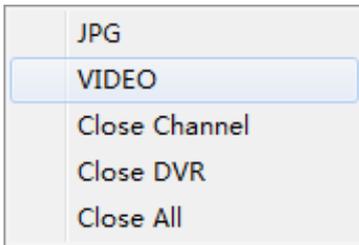


2.2.2.1 The video window

The title bar of the video window is shown as follows: the left side displays the serial number of the window -- the license plate number -- the channel number; the middle side displays the playback mode of the video; the right side displays the network transmission speed of the video.



The video window can be exchanged by dragging the mouse, double-click to enlarge the current window, and right click to pop up the following menu:



JPG: HD image transmission of current window

VIDEO: Standard definition video transmission of current window

Close Channel: Close the video in the current window

Close DVR: Close the video of all channels of the DVR to which the current window belongs

Close All: Close video for all windows

2.2.2.2 Window segmentation:

At present, there are 1 segment, 4 segment, 9 segment and 16 segment Windows. The effect diagram is as follows:



1



4



9



16

2.2.2.3 Full screen window:

The effect is shown in the figure below. Press Esc to exit the full-screen mode:



2.2.2.4 Remote capture:

Click the camera button below to take a remote screenshot, as shown below:



After the screenshot, the image will be opened using the Windows photo viewer and the saved path of the image will be displayed. The screenshot save path can be viewed or modified by setting SnapPic entries locally.



2.2.2.5 Last page/next page:

Click the button  to switch to the next page window (if the current is 4, the window serial number displayed is 1, 2, 3, 4, then the window serial number displayed after turning the page is 5, 6, 7, 8).

Click the button  to switch to the previous window (if the current window is 4, the current window number displayed is 5, 6, 7, 8, then the window number displayed after turning the page is 1, 2, 3, 4).

2.2.2.6 paging

The video window of the client consists of 4 pages, each page containing 16 Windows.



2.2.4 Real-time information table

The real-time information table mainly displays all DVR information, alarm information, notification and system events in the server. The real-time data ultimately provides users with fast and efficient DVR information, which can be seen and analyzed no matter where they are, which is convenient for query and management.

2.2.3.1 monitor message

Display all DVR information in the server:

Vehicle	Alarm	Events							
Vehicles	Device ...	ScanC...	Device ...	Time	Speed(...	Longit...	Latitude	Status	
d834	2	d834	DV424						
d88888	3	d8888	DV424						
d833	1	d833	DV424						
d4	4	d4	DV424						
d5	5	d5	DV424						
d6	6	d6	DV424						

2.2.3.2 Real-time alarm information

Display the real-time alarm information of DVR, as shown in the figure below:

Vehicle	Alarm	Events				
AlarmID	Vehicles	Time	Type	Longitude	Latitude	Information
2019041010...	α-424-00071	2019-04-10 1...	alarm3	23.122821	113.382843	{\"EventId\":\"a02c05e6-5b8b-4624-9c61-fc596
2019041010...	α-424-00071	2019-04-10 1...	alarm1	23.122820	113.382842	{\"EventId\":\"fc1d5a61-f679-4a99-94ea-f0fb1
2019041010...	α-424-00071	2019-04-10 1...	reverse	23.122821	113.382842	{\"EventId\":\"83f4727b-8c16-44fb-b657-a4159
2019041010...	α-424-00071	2019-04-10 1...	alarm2	23.122820	113.382842	{\"EventId\":\"5ce25c83-e199-432d-ae4a-991b8
2019041010...	α-424-00071	2019-04-10 1...	brake	23.122820	113.382841	{\"EventId\":\"54e90c13-fe8c-4834-aa1e-eea44
2019041010...	α-424-00071	2019-04-10 1...	alarm	23.122820	113.382841	{\"EventId\":\"5ef1f58-7cd8-d48a-a96c-76f35

If you right-click the alarm information, the following menu will pop up: select search from device or search from server to skip to the Playback page for file search (the search criteria will automatically fill in the contents based on the alarm information and search directly) to download the corresponding alarm video (see 2.3.2 below for video download on the Playback page).



2.2.3.3 Notification or system event

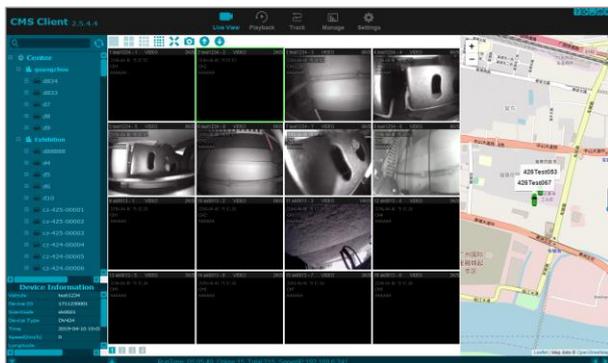
Displays the DVR's notifications or system event information, as shown below:

Vehicle	Alarm	Events	License No	Informa
Time	Type			
2019-04-10 11:56:35	Device Online		426Test062	Device go online, Reason:dvr register ok~version:20190
2019-04-10 11:54:34	Device offline		426Test062	Device go offline, Reason:client alive time out
2019-04-10 11:51:03	Device Online		426Test062	Device go online, Reason:dvr register ok~version:20190
2019-04-10 11:50:24	Device offline		426Test062	Device go offline, Reason:client alive time out
2019-04-10 11:42:42	Device Online		426Test062	Device go online, Reason:dvr register ok~version:20190
2019-04-10 11:40:00	Device offline		426Test062	Device go offline, Reason:read header error~size:0

2.2.3.4 Table area folded/expanded

Click the button  in the lower left corner of the table to save the real-time information table

(as shown below). Click restore. 



2.2.5 map

Currently, there are four types of map provided by the client: Google, Baidu, OSMMap and Bing. The default map is OSMMap, if you want to use other maps, You can choose from the local settings and the server will restart.

2.2.4.1 Location and tracking



The map will show the GPS location of the on-line device, as shown in the figure below:

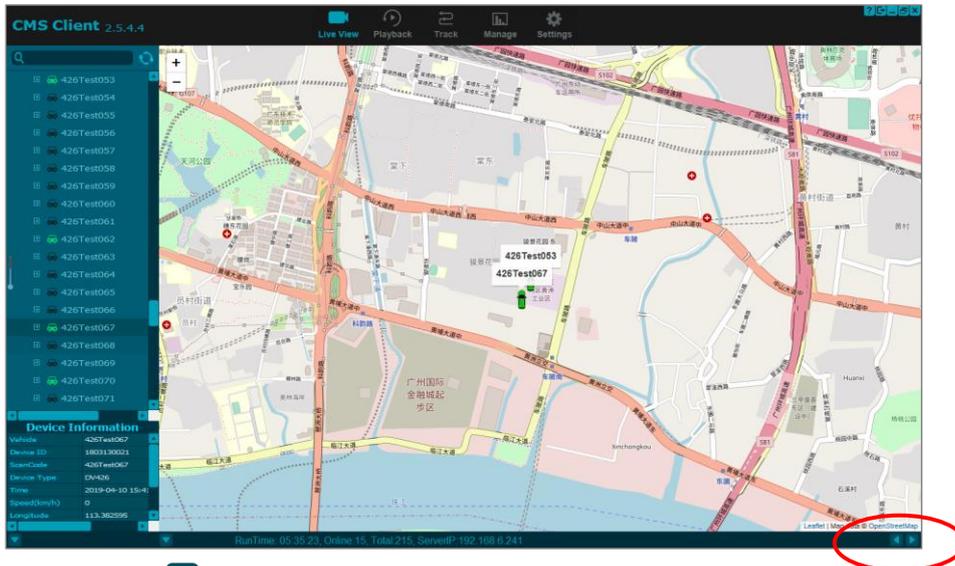
Clicking on the vehicle icon on the map, or selecting the device from the device list, displays the device's specific location above the vehicle icon. Click the vehicle icon or move the map to close the information box.

Select the device in the device list to locate and track it. Close the info box or move the map to untrack.



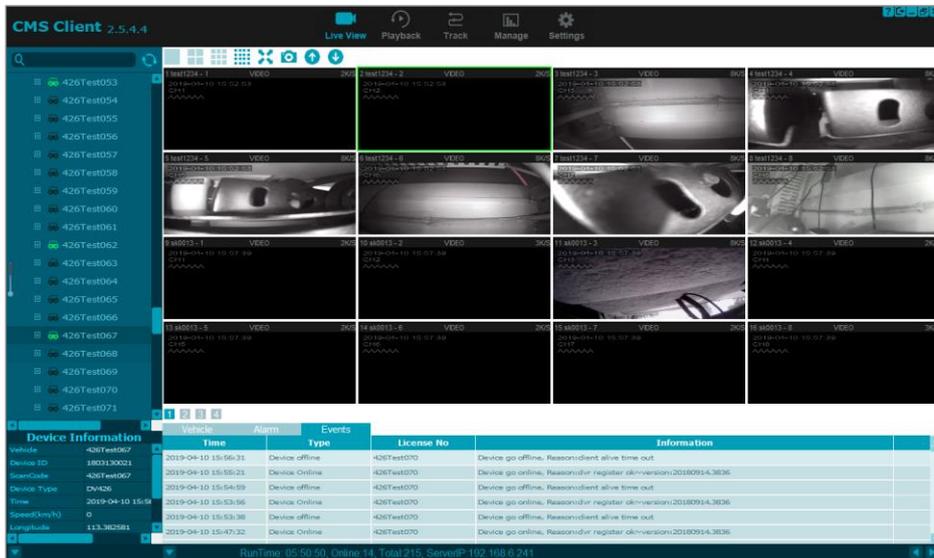
2.2.4.2 Map expansion and folding

Click the button  in the lower right corner of the map to expand the map (while hiding the video area and information table), as shown below: click the button to restore. 



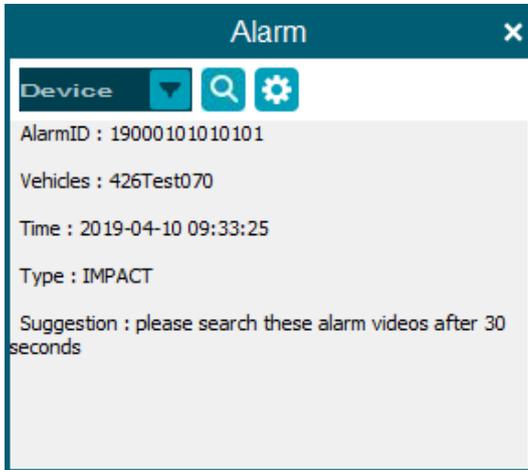
Click the button  in the lower right corner of the map to save the map, as shown below.

Click the button to restore. 



2.2.6 Alarm message box

When the client runs, when the online DVR has alarm information, an alarm information pop-up box (as shown in the figure below) will appear in the lower right corner of the computer screen, showing the name, ID, alarm time and alarm type of the alarm device and advice.

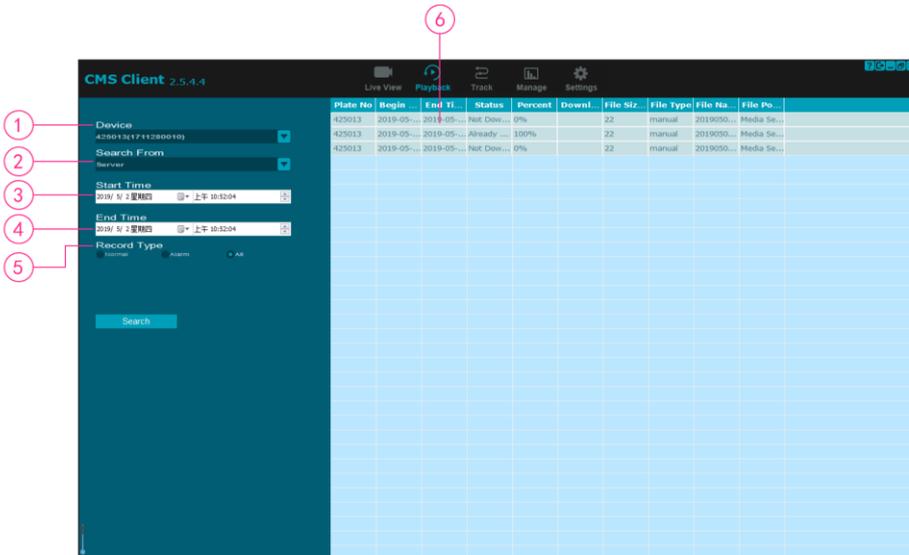


Clicking the button  will jump to the Playback page for a file search (the search criteria will automatically fill in the content based on the alarm information and search directly) to download the corresponding alarm video (see 2.3.2 below for the video download operation of the Playback page). Because there may be delays, immediate searches may not find files, so it is recommended to wait 30 seconds before jumping to the Playback page.

Click the button  to open the alarm linkage setting dialog box, set the opening/closing of the alarm pop-up box and the duration of the pop-up box (see 2.6.7.1 below for specific Settings).

2.3 Video file download

Select the license plate number, query object, time range and type, click search, and the required video file will appear on the right side. Select the file and right click to download the corresponding video. After downloading, right click on the channel to open the video.



- (1) license plate number
- (2) query object
- (3) start time
- (4) end time
- (5) Video type
- (6) search result

2.3.1 Set search criteria

(1) choice device:



Select the device to search from the drop-down device list. The name of the device that is online will be shown in green.

(2) Set the query object:

Server: the video file uploaded from the device (DVR) to the Server;

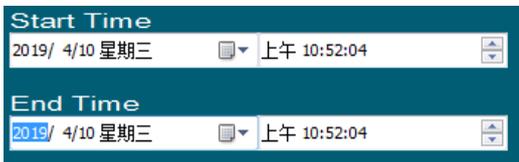
Local: DVR has downloaded the video to PC, and the search video can be watched directly without downloading;

Device: the video file stored on the DVR's disk;



(3) Set time range:

Please note that the server and local search times should not exceed 7 days and the device search should not exceed 1 day.

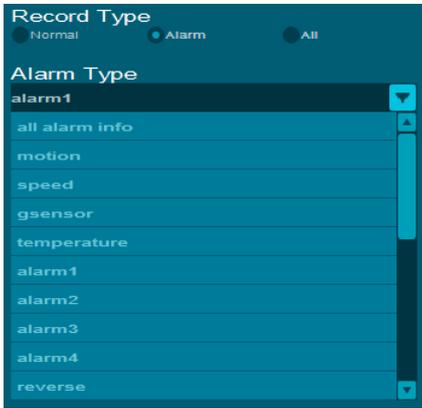


(4) Select video type:

You can choose Normal, Alarm, or All.



If the alarm video is selected, the option of alarm type will appear below, and the specific alarm type can be selected for search.



2.3.2 file download:

After setting the search criteria, click the button  to search and the results will be displayed in the table on the right. Select Server to search, and the results are shown below.

Plate No	Begin	End Ti...	Status	Percent	Downl...	File Siz...	File Type	File Na...	File Po...
425013	2019-05...	2019-05...	Not Dow...	0%		22	manual	2019050...	Media Se...
425013	2019-05...	2019-05...	Already ...	100%		22	manual	2019050...	Media Se...
425013	2019-05...	2019-05...	Not Dow...	0%		22	manual	2019050...	Media Se...

Select Local to search, and the search results are shown below:

The screenshot shows the CMS Client 2.5.4.4 interface with the search filter set to 'Local'. The search results table contains the following data:

Plate No	Begin	Time L	File Type	File Siz	Resolu	Frame	Rate(B	File Na	File Po
425013	2019-05-...	316	manual	22	1280*720	20	524288	2019050...	Local
425013	2019-05-...	316	manual	22	1280*720	20	524288	2019050...	Local
425013	2019-05-...	316	manual	22	1280*720	20	524288	2019050...	Local
425013	2019-05-...	316	manual	22	704*576	20	524288	2019050...	Local
425013	2019-05-...	316	manual	22	1280*720	20	524288	2019050...	Local
425013	2019-05-...	316	manual	22	704*576	20	524288	2019050...	Local
425013	2019-05-...	916	manual	17	1280*720	20	524288	2019050...	Local
425013	2019-05-...	915	manual	64	1280*720	20	524288	2019050...	Local
425013	2019-05-...	916	manual	64	704*576	20	524288	2019050...	Local
425013	2019-05-...	915	manual	64	704*576	20	524288	2019050...	Local
425013	2019-05-...	915	manual	64	1280*720	20	524288	2019050...	Local
425013	2019-05-...	915	manual	64	1280*720	20	524288	2019050...	Local
425013	2019-05-...	915	manual	64	1280*720	20	524288	2019050...	Local
425013	2019-05-...	915	manual	64	704*576	20	524288	2019050...	Local
425013	2019-05-...	916	manual	64	704*576	20	524288	2019050...	Local

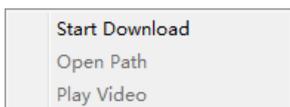
Select Device to search, and the search results are as follows:

The screenshot shows the CMS Client 2.5.4.4 interface with the search filter set to 'Device'. The search results table contains the following data:

Plat	Beq	Tim	File	Status	Perc	Do	File	Res	Fra	Rat	File	File	Re
bst1...	2019...	316	manual	Not ...	0%	71	704*...	25	4194...	2019...	Device		
bst1...	2019...	316	manual	Not ...	0%	5	704*...	25	4194...	2019...	Device		
bst1...	2019...	316	manual	Not ...	0%	5	704*...	25	4194...	2019...	Device		
bst1...	2019...	316	manual	Not ...	0%	68	704*...	25	4194...	2019...	Device		
bst1...	2019...	316	manual	Not ...	0%	68	704*...	25	4194...	2019...	Device		
bst1...	2019...	315	manual	Not ...	0%	84	704*...	25	4194...	2019...	Device		
425013	2019-05-...	315	manual	Not ...	0%	123	704*...	25	4194...	2019...	Device		
bst1...	2019...	315	manual	Not ...	0%	88	704*...	25	4194...	2019...	Device		

Download:

Select a file in the search results (server search or device search), right-click, and the following menu pops up:



Select Start Download to Download the file. Download speed is displayed in the Download speed column of the table, and Download progress is displayed in the Percent column.

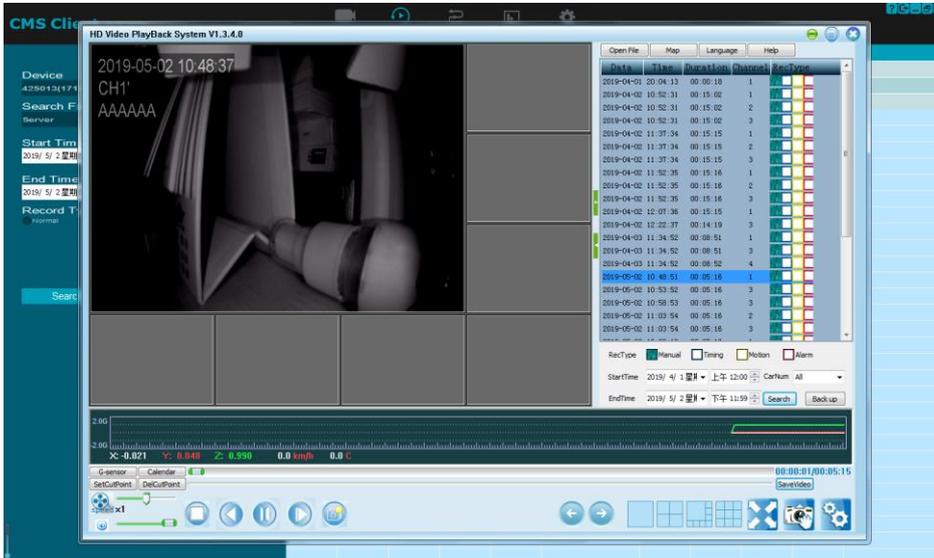
Once the Download has started, right-click the file you are downloading and select Pause Download to Pause the Download.

After the Download has paused, you can Continue the Download by right-clicking Continue Download. Open Path and Play Video are not available from the right-click menu until the file download is complete.

2.3.3 File playback:

(1) Open the directory: after downloading the file, bring up the right-click menu and select Open Path to Open the directory where the file is located, as shown in the figure below:





(3) if you choose Local search, you don't need to download the file, but directly select the file and right click, pop up the following menu, then you can open the file directory or play the file.

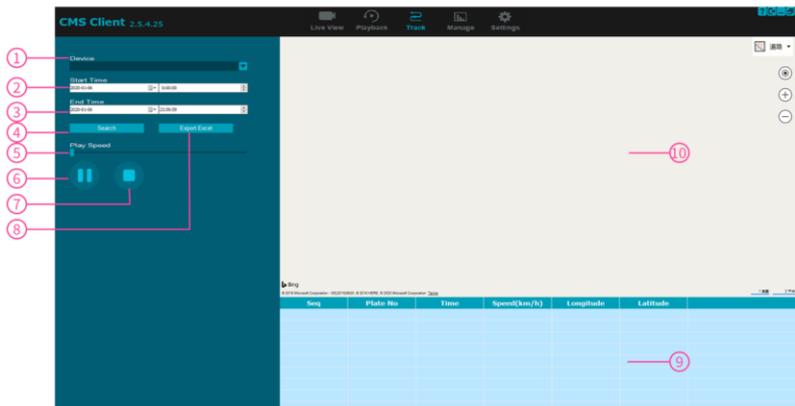


2.4 Vehicle history trajectory

Users can view the driving track of a certain vehicle in a certain period of time. First, select the vehicle license plate number, and then select the date and time period. The system will show the route of the changed vehicle on the map with blue lines.

At the same time, you can also play back in the form of animation. The system also supports the export and download of historical track data in the form of Excel reports, which is convenient for managers to save and analyze for a long time.

Each data records the current speed, time, longitude and latitude status of the vehicle in detail;



2.4.1 Set query criteria

(1) choice device:



Select the device to search from the drop-down device list. The name of the device that is online will be shown in green.

(2) Set time range:

Please note that the time span should not exceed 7 days.

Start Time
2019/ 4/10 星期三 上午 10:52:04

End Time
2019/ 4/10 星期三 上午 10:52:04

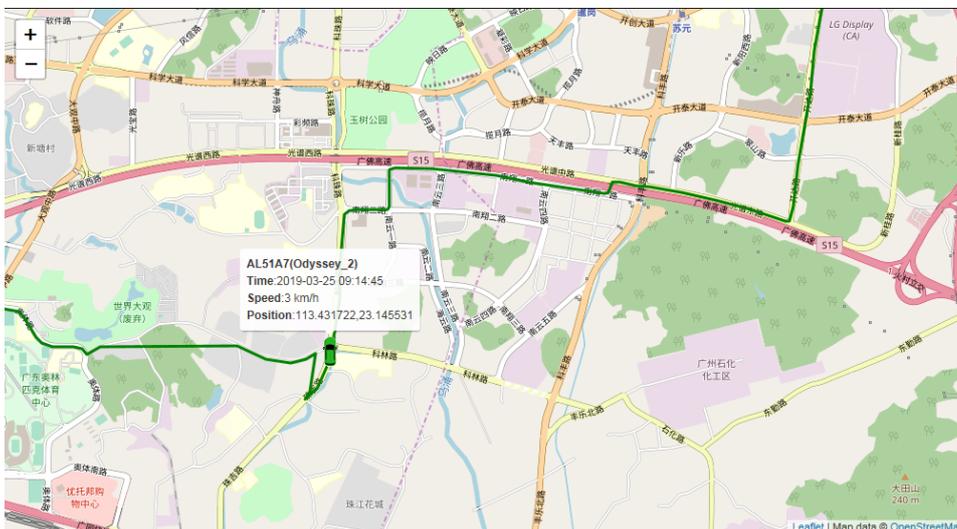
Start Time
2019-12-17 0:00:00

End Time
2020-01-24 23:59:59

Formatiert: Block, Keine Absatzkontrolle

2.4.2 View historical track

After setting the query conditions, click the button [Search](#) to query, and in the map on the right, the search history within the set time range will begin to play. The diagram below.



At the bottom of the map, the vehicle's historical GPS information table is displayed. Click the button to export the vehicle's historical GPS information form:

Seq	Plate No	Time	Speed(km/h)	Longitude	Latitude	
85	AL51A7(Odysse...	2019-03-25 08:5...	46	113.397775	23.140335	
86	AL51A7(Odysse...	2019-03-25 08:5...	34	113.401383	23.140933	
87	AL51A7(Odysse...	2019-03-25 08:5...	26	113.401140	23.141417	
88	AL51A7(Odysse...	2019-03-25 08:5...	26	113.401140	23.141417	
89	AL51A7(Odysse...	2019-03-25 08:5...	12	113.401045	23.141711	
90	AL51A7(Odysse...	2019-03-25 08:5...	2	113.401031	23.141777	
91	AL51A7(Odysse...	2019-03-25 08:5...	0	113.401041	23.141802	
92	AL51A7(Odysse...	2019-03-25 08:5...	2	113.401032	23.141855	
93	AL51A7(Odysse...	2019-03-25 08:5...	1	113.401018	23.141869	

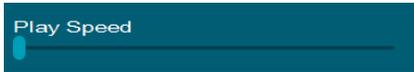


The pause/play button on the left can be used to pause or continue playing



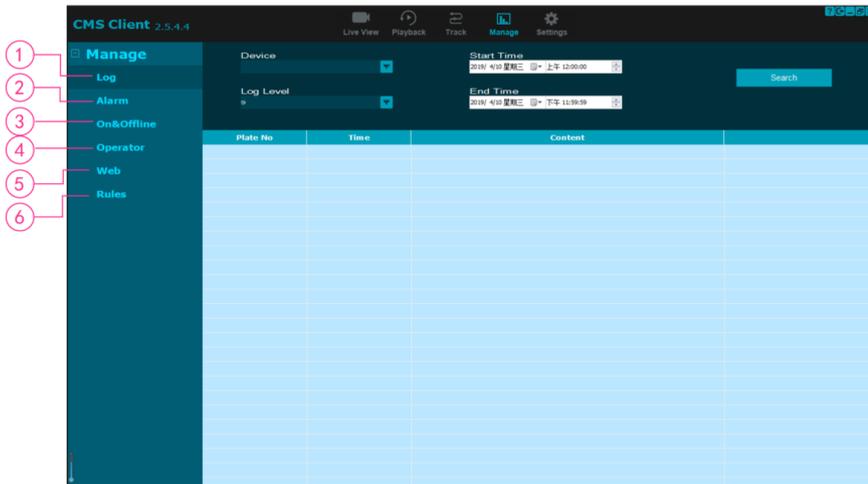
the history track. Click the stop button to stop the track, and the track on the map on the right and the data on the table below will disappear. Click the search button to replay the track.

Can adjust the speed of track playback. The adjustable range of playback speed is 1X to 9X.



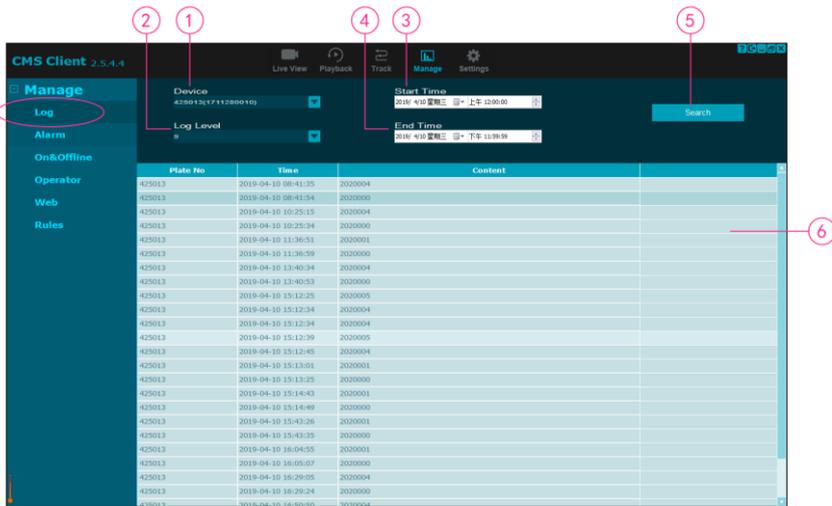
2.5 Information inquiry

Information inquiry system is a very important part of information release. In the information system database stores a large number of technical, economic, production, personnel, equipment and market information. Through the information query system, we can learn log, alarm, user operation and DVR online and offline information query, which is convenient, fast, time-saving and labor saving.



- (1) log information query
- (2) Alarm information query
- (3) Up and down line information query
- (4) User action record query
- (5) Web management
- (6) Rules query and management

2.5.1 Log information query



Query the DVR's historical log information, as shown in the figure below:

- (1) license plate number
- (2) Log level-9, the lower the value, the higher the level
- (3) start time
- (4) end time
- (5) query button
- (6) List of log information

After setting the query conditions, click the button to query.

The query results are shown as follows:

Plate No	Time	Content
425013	2019-04-10 08:41:35	2020004
425013	2019-04-10 08:41:54	2020000
425013	2019-04-10 10:25:15	2020004
425013	2019-04-10 10:25:34	2020000
425013	2019-04-10 11:36:51	2020001
425013	2019-04-10 11:36:59	2020000
425013	2019-04-10 13:40:34	2020004
425013	2019-04-10 13:40:53	2020000
425013	2019-04-10 15:12:25	2020005

2.5.2 Alarm information query



- (1) License plate number
- (2) Alarm type
- (3) start time
- (4) end time
- (5) Query button
- (6) Alarm information list

After setting the query conditions, click the to query. The query results are shown as follows:

Alarm ID	Plate No	Time	Type	Speed	Longitude	Latitude	Event ID	Video ID	Content
190001010...	426Test062	2019-04-1...	RFID	0	0.000000	0.000000	312d5896-...	3d020ec8-...	
190001010...	426Test062	2019-04-1...	RFID	0	0.000000	0.000000	c3a3d438-...	3d020ec8-...	
190001010...	426Test062	2019-04-1...	RFID	0	0.000000	0.000000	2ac313db-...	3d020ec8-...	
190001010...	426Test062	2019-04-1...	RFID	0	0.000000	0.000000	1c721cca-f...	3d020ec8-...	
190001010...	426Test062	2019-04-1...	RFID	0	0.000000	0.000000	da2156ab-...	3d020ec8-...	
190001010...	426Test062	2019-04-1...	RFID	0	0.000000	0.000000	51c728ce-1...	3d020ec8-...	
190001010...	426Test062	2019-04-1...	RFID	0	0.000000	0.000000	c042daa8-...	3d020ec8-...	
190001010...	426Test062	2019-04-1...	RFID	0	0.000000	0.000000	792ca9af-4...	3d020ec8-...	

If you right-click the alarm information, the following menu will pop up: select search from device or search from server to skip to the Playback page for file search (the search criteria will automatically fill in the contents based on the alarm information and search directly) to download the corresponding alarm video (see 2.3.2 above for video download of the Playback page).



2.5.3 Up and down line information query



- (1) license plate number
- (2) start time
- (3) end time
- (4) Query button
- (5) Up and down information list

After setting the query conditions, click the button to **Search** query. The query results are shown as follows:

Plate No	CreateTime	Status	Reason	Remark
425013	2019-04-10 08:33:02	Online	dvr register ok~version:2...	network:wifi
425013	2019-04-10 10:16:14	Offline	client alive time out	network:wifi
425013	2019-04-10 10:16:41	Online	dvr register ok~version:2...	network:wifi
425013	2019-04-10 11:28:03	Offline	read header error:size <...	network:wifi
425013	2019-04-10 11:28:09	Online	dvr register ok~version:2...	network:wifi
425013	2019-04-10 13:31:40	Offline	client alive time out	network:wifi
425013	2019-04-10 13:32:02	Online	dvr register ok~version:2...	network:wifi
425013	2019-04-10 15:04:10	Offline	client alive time out	network:wifi
425013	2019-04-10 15:04:33	Online	dvr register ok~version:2...	network:wifi

2.5.4 User action record query



- (1)start time
- (2)end time
- (3)Query button
- (4)Up and down information list

After setting the query conditions, click the button  to query.

The query results are shown as follows:

IPAddr	CreateTime	Description	
192.168.1.1	2019-04-10 07:52:37	user login cms server use cms client	
192.168.1.1	2019-04-10 08:22:03	user login cms server use cms client	
192.168.24.80	2019-04-10 08:49:46	user login cms server use cms client	
192.168.24.98	2019-04-10 08:54:31	user login cms server use cms client	
192.168.24.81	2019-04-10 09:52:46	user login cms server use cms client	
192.168.24.80	2019-04-10 09:59:04	user login cms server use cms client	
192.168.3.97	2019-04-10 10:04:50	user login cms server use cms client	
192.168.3.97	2019-04-10 10:08:17	user login cms server use cms client	

2.5.5 Web management

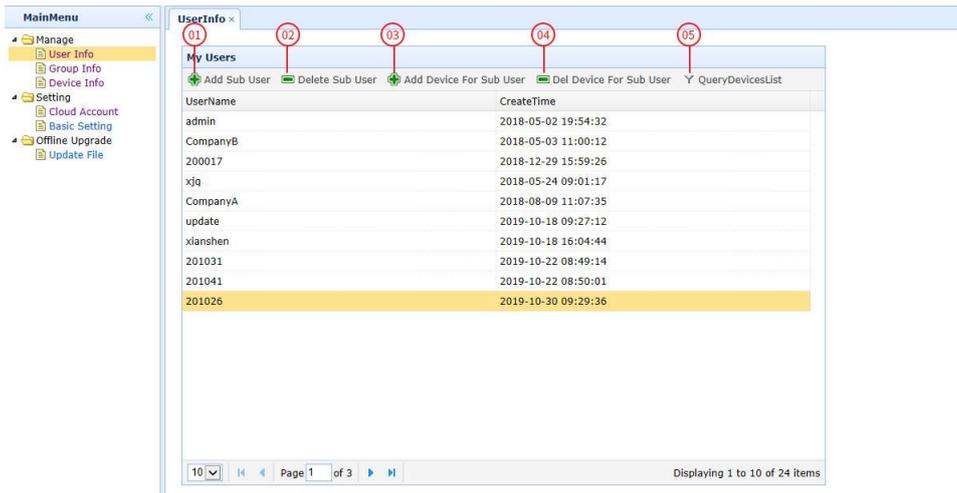
Remote control software is used for remote web management. ,Can manage users, user groups and equipment information, and can better reflect the corporate culture, corporate style, corporate image and corporate marketing strategy, specific functional description reference document CMS Server Instruction Manual.

As the administrator, you can add device users and device information. The default user of CMS server is "admin", password is "123456" and child users can be added.

Assuming that the CMS server IP is "192.168.6.81", do you want to use the web login web management system, the url is <http://192.168.6.81:6061/index.php>.

2.5.5.1 user info

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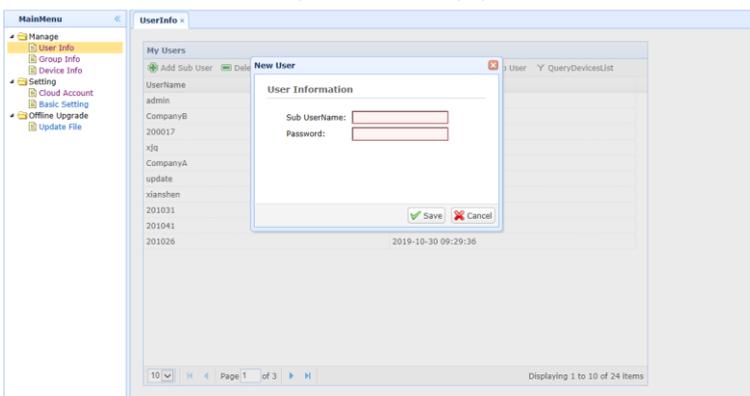


- 01: 添加帐号 02: 删除帐号 03: 为帐号添加设备
04: 删除帐号设备 05: 子用户查询

01: Add sub user

You can add an account to your device for which you can assign devices.

You can click user info in the right window and select Add SubUser+ button to Add an account for the device. Enter the name and password in the popover and click Save to Save the added account.

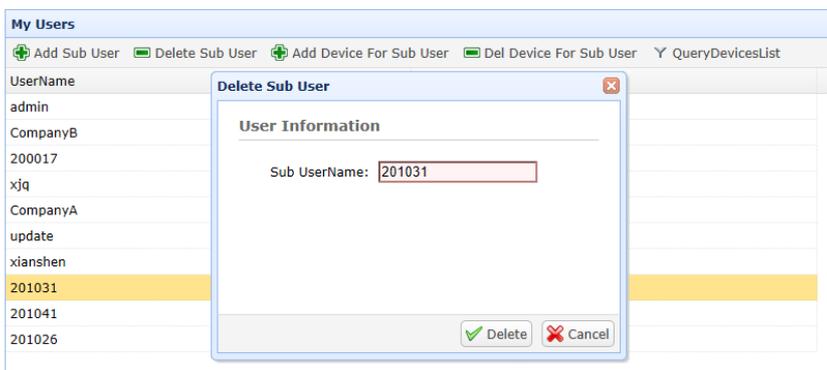


Click the button below left and right to inquire the name of the added account.



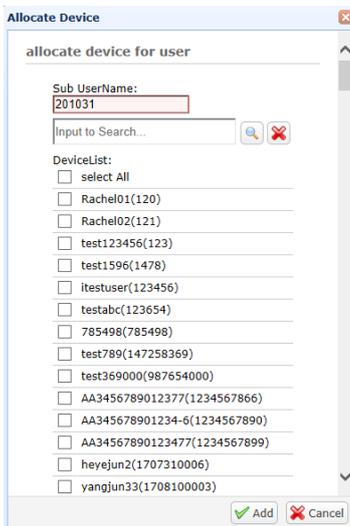
02: Delete sub user

Select the group name to Delete, click Delete Sub user and then click Delete to Delete the account.



03: Add Device for sub user

You can Add the device for the account in the device list, or directly search for the device name to Add, and click Add to save the added device.



You can Add the device for the account in the device list, or directly search for the device name to Add, and click Add to save the added device.

If the device has been added to use will remind you: (equipment name) have had been allocated to other user, as shown at this point you need to replace other doesn't be used in the equipment to add a success.

来自网页的消息 ×



deviceid[121] have been allocated to other user

不允许此页创建更多消息

确定

04.Delete Device for sub user

Select the Device name to Delete, Delete Device for sub user and click Delete.

Delete Device ×

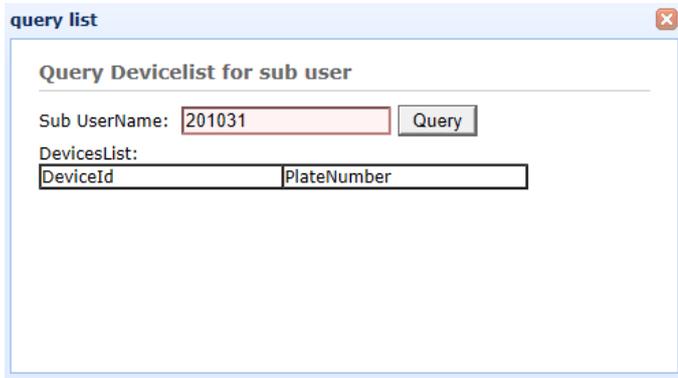
delete device for sub user

Sub UserName:

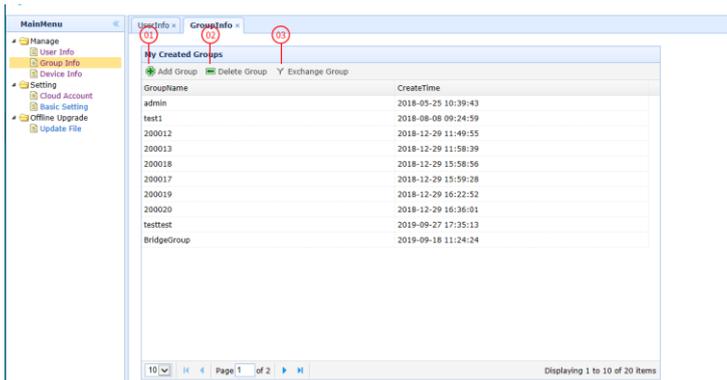
DeviceId:

05. Query Devicelist for sub user

Click Query Devicelist for sub user and then enter the sub-user name to Query the information corresponding to the sub-account, as shown below:



2.5.5.2 Group info



01: 添加组 02: 删除组 03: 交换组

01: Add Group

You must first create a group to add devices, because each device belongs to a group. Click Add Group to enter the Group name at the popover. If the Group name already exists, the popover will remind you:
Group Name maybe exist, as shown below: click Add and the Group Name will appear in the list.

来自网页的消息



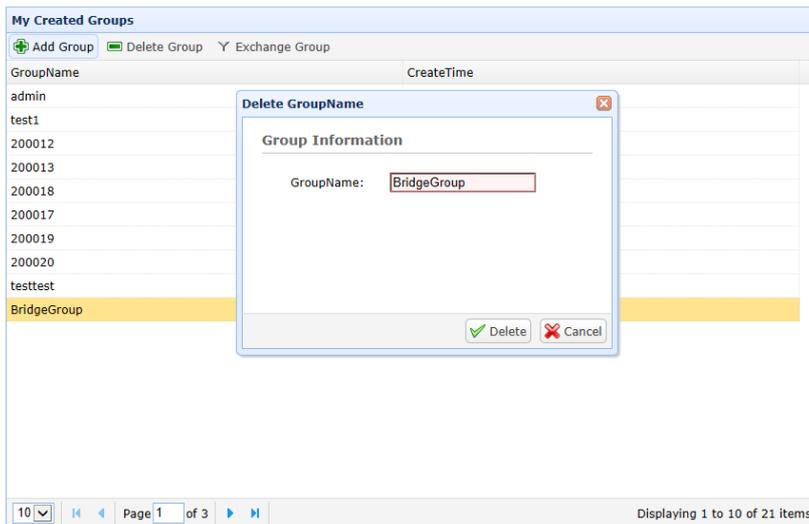
GroupName maybe exist

不允许此页创建更多消息

确定

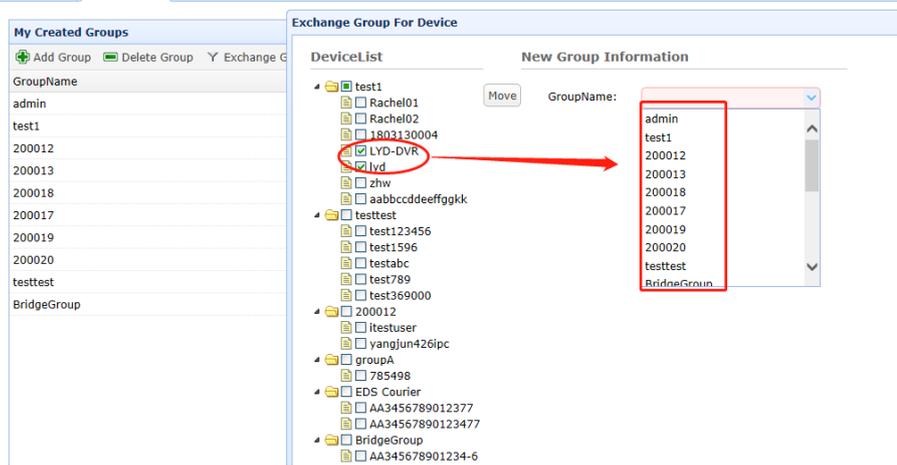
02: Delete Group

Select the Group name to Delete, click Delete Group, and then click Delete to Delete the Group.

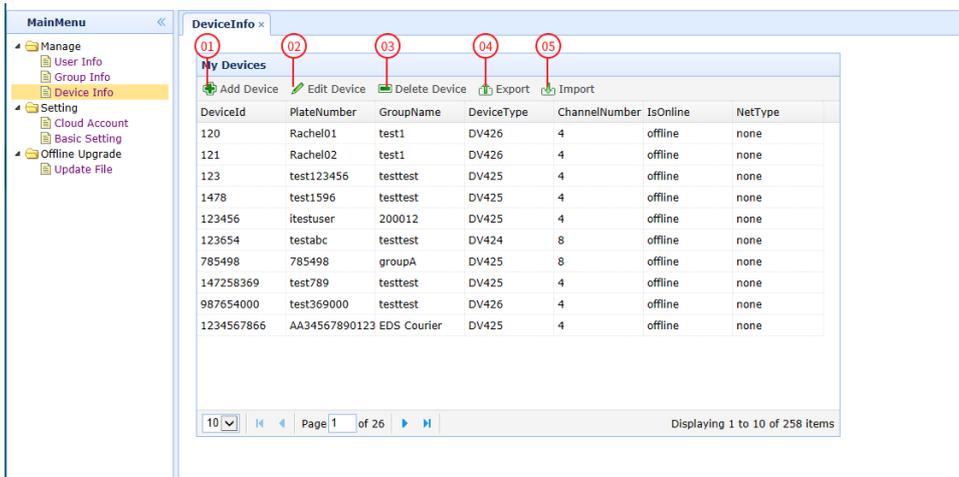


03. Exchange Group

You can redistribute the device to different groups. Click Exchange Group to select the device you want to Exchange, and then select the Groupname you want to Exchange to in the Groupname. Finally, click Move to Exchange the device to the specified Group.



2.5.5.3 Group info



01: 添加设备

02: 编辑设备

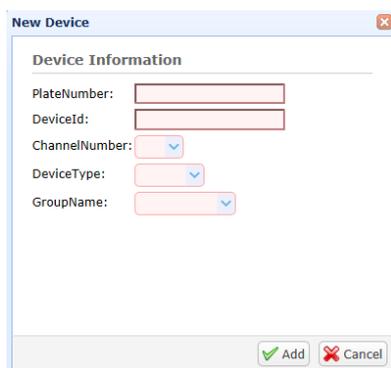
03: 删除设备

04: 导出

05: 导入

01: Add Device

You can Add a new Device as a certain group. Click Add Device to enter Device PlateNumber, DeviceId, ChannelNumber, DeviceType, GroupName and other information.



The 'New Device' dialog box is titled 'New Device' and contains the following fields:

- PlateNumber:
- DeviceId:
- ChannelNumber:
- DeviceType:
- GroupName:

At the bottom of the dialog are two buttons: 'Add' (with a green checkmark icon) and 'Cancel' (with a red X icon).

1.the Device Id is the UUID, you can find it in the DVR, please click System->info in DVR, and you can find the UUID, screen shot as follows:



2. If the type of DVR is "DV424", the ChannelNumber should be setted 8, if the type of DVR is "DV425", the channelnumber should be setted 4.

02: Edit Dvice

Select the device to be edited, click Edit Dvice, enter the new information of the device, and then update the device information.

Edit Device

Device Information

DeviceId:

OldPlateNumber:

NewPlateNumber:

03: Delete Group

Select the Group name to Delete, click Delete Group, and then click Delete to Delete the Group.

Delete Device

Device Information

DeviceId:

GroupName:

04: Export

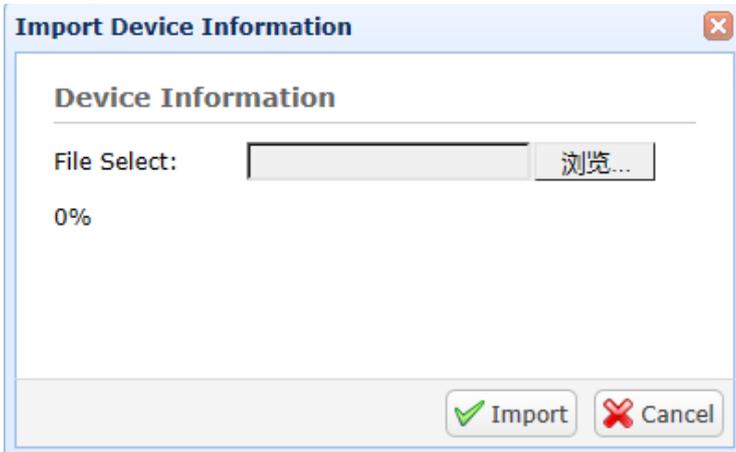
Click Export to enter Begin DeviceId, End DeviceId, Device Type: Export Device information, as shown below:



The dialog box titled "Export Device Information" contains three dropdown menus. The first is labeled "Begin DeviceId:" with the value "120". The second is labeled "End DeviceId:" with the value "1912200005". The third is labeled "Device Type:" with the value "All". At the bottom right, there are two buttons: "Export" with a green checkmark icon and "Cancel" with a red X icon.

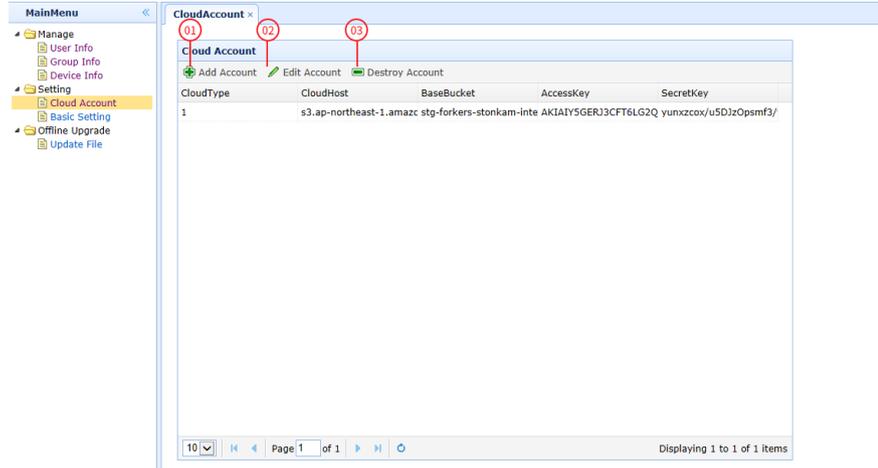
05: Import

Click browse to select the file to Import the device, and click Import to display the speed of importing the file.



The dialog box titled "Import Device Information" contains a "File Select:" label followed by a text input field and a "浏览..." (Browse...) button. Below the input field, the text "0%" is displayed. At the bottom right, there are two buttons: "Import" with a green checkmark icon and "Cancel" with a red X icon.

2.5.5.4 Cloud info



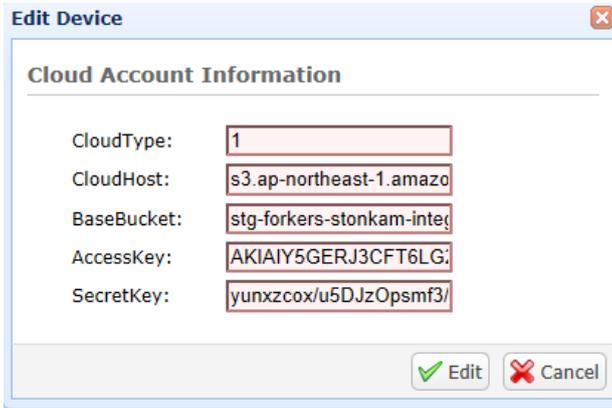
01: 添加账号 02: 编辑账户 03: 撤销账户

01: Add Account

In order to avoid information loss, you can create a new cloud account: input type, cloud host, cardinality, access key and other information and click Add to Add account information to the list. You can upload some video information to the cloud account for convenience.

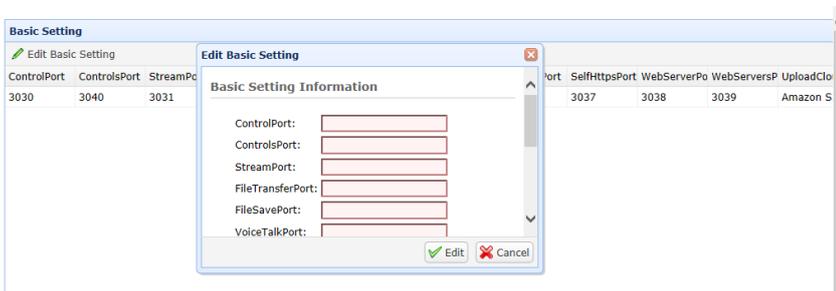
02: Edit Account

Click the Edit Account button to Edit the cloud Account information.



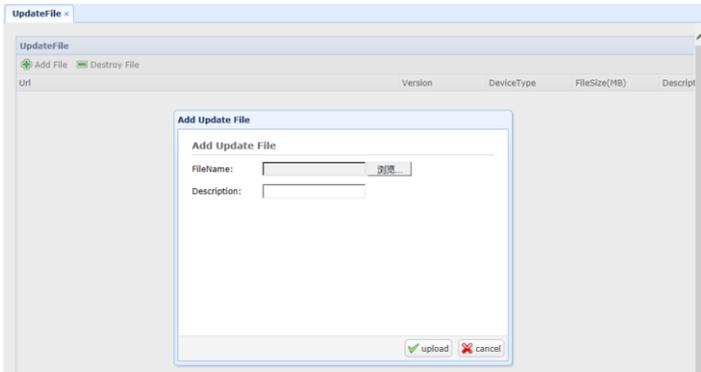
2.5.5.5 Basic Setting

You can make some Basic Settings for web management by clicking the Edit Basic Setting button to set its corresponding parameters.



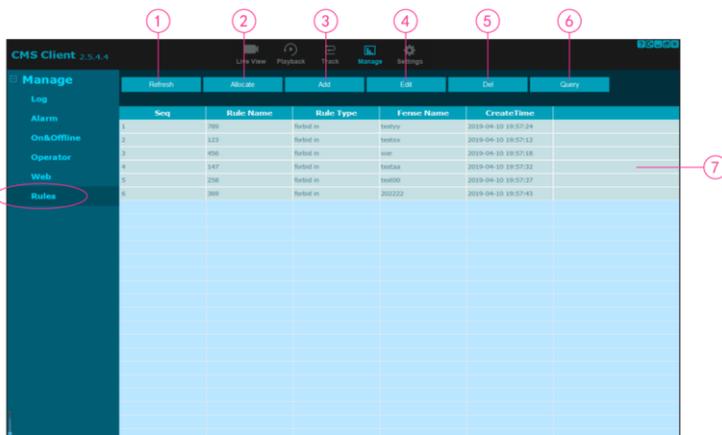
2.5.5.6 Offline upgrade device

Click add file to pop up the file selection box, click Browse to select the file to be upgraded, and then click the update button to submit to upload the upgrade package to the server. After the computer is online, it will download the upgrade package to upgrade;describe it, then click the Uplate button to upgrade the File, as shown below:



Note: using admin to log in CMS will upgrade all the corresponding devices in the admin, and using the sub account under admin to log in CMS will upgrade the corresponding devices in the sub account;

2.5.6 Rules query and management



- (1) 刷新
- (2) 分配规则
- (3) 新建规则
- (4) 编辑规则
- (5) 删除规则
- (6) 查询规则对应的车辆
- (7) 规则列表

2.5.6.1 Refresh

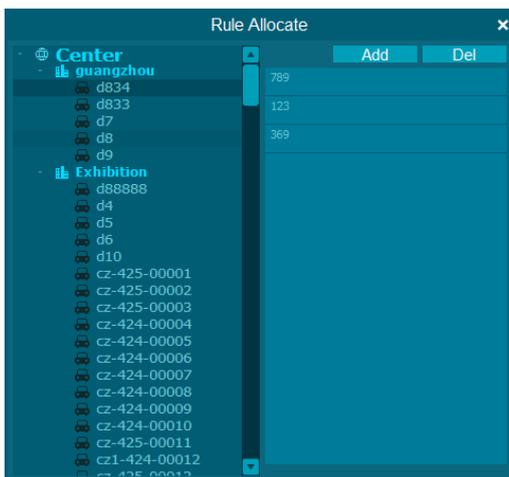
Click the Refresh button, and the list displays all the rules for the current user.

2.5.6.2 Allocate

Click the Allocate button to bring up the following dialog box: select a device from the device list on the left, and the rules for the allocated device will appear on the right.

Click the Add button in the dialog box to assign new rules to the device.

Click the Del button in the dialog box to delete the selected rule.

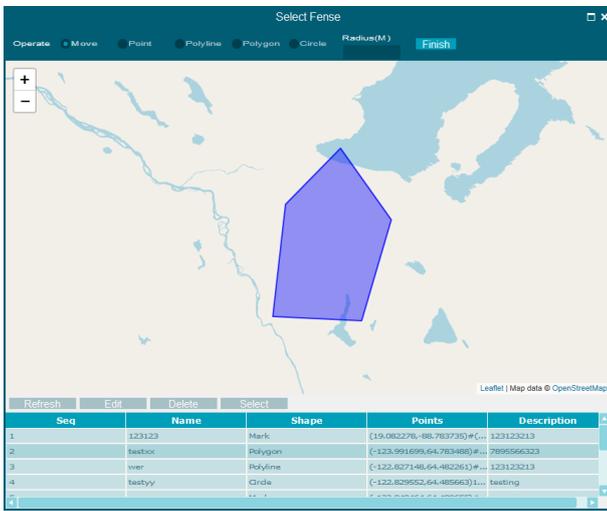


2.5.6.3 Add

Click the Add button, and the following dialog box pops up: fill in the name of the new rule, select the rule type, select the electronic fence, and then click OK to save, and the new rule will be added to the rule list.



Click Select in the dialog box to view, modify, create and delete the electronic fence, as shown below:



(1) View electronic fence:

Select an electronic fence from the list of electronic fences at the bottom, and the map at the top shows the contents (dots, lines, or areas) of the electronic fence.

(2) Modification of electronic fence:

Select the electronic fence to be modified in the list, click the Edit button, and the following dialog box will pop up. You can modify the name and specific description of the electronic fence.

The 'Fence' dialog box contains the following fields:

- Name:
- Shape:
- Points:
- Description:

Buttons: OK, Cancel

(3) New electronic fence:

The client currently provides two types of electronic fence: polygon, circle, as shown below:



1. Choose polygon: click the required area with the mouse on the map, and then click enter to confirm, as shown in the figure below;



2. Select circle: click the location of the map as the center point, slide the mouse up and down to determine the area, and then click enter to determine it, as shown below.

The 'Fence' dialog box contains the following fields:

- Name:
- Shape:
- Points:
- Description:

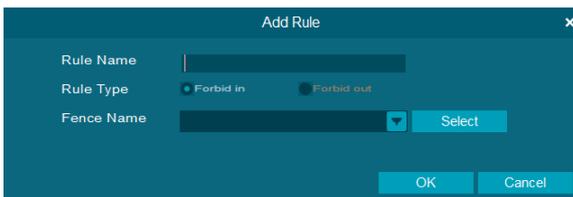
Buttons: OK, Cancel

(4) Remove electronic fence:

Select the electronic fence to be deleted from the list, click the Delete button, and the selected electronic fence will be deleted. However, if the electronic fence has been assigned to one or more devices, it cannot be removed.

2.5.6.4 Edit

Select the rule to be modified, click the Edit button, and the following dialog box pops up. You can modify the rule name, type, and electronic fence. (see 2.5.6.3 above for the view and modification of the electronic fence)



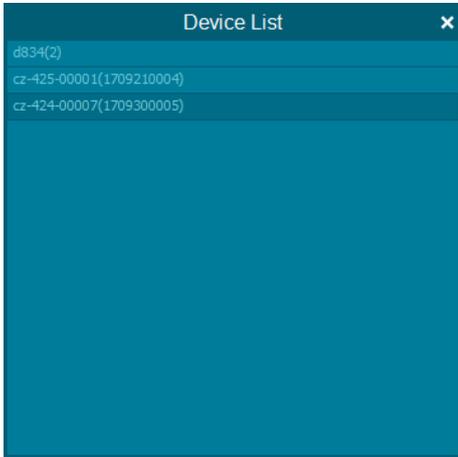
The screenshot shows a dialog box titled "Add Rule" with a close button (x) in the top right corner. The dialog contains three main sections: "Rule Name" with a text input field, "Rule Type" with two radio buttons labeled "Forbid in" (which is selected) and "Forbid out", and "Fence Name" with a dropdown menu and a "Select" button. At the bottom of the dialog are "OK" and "Cancel" buttons.

2.5.6.5 Del

Select the rule to be deleted, click the Del button, and a pop-up window will remind you whether to confirm the deletion. If you are sure to delete the selected rule, the selected rule will be deleted. If the deletion error occurs, the deleted rule cannot be revoked, and only rules can be added again.

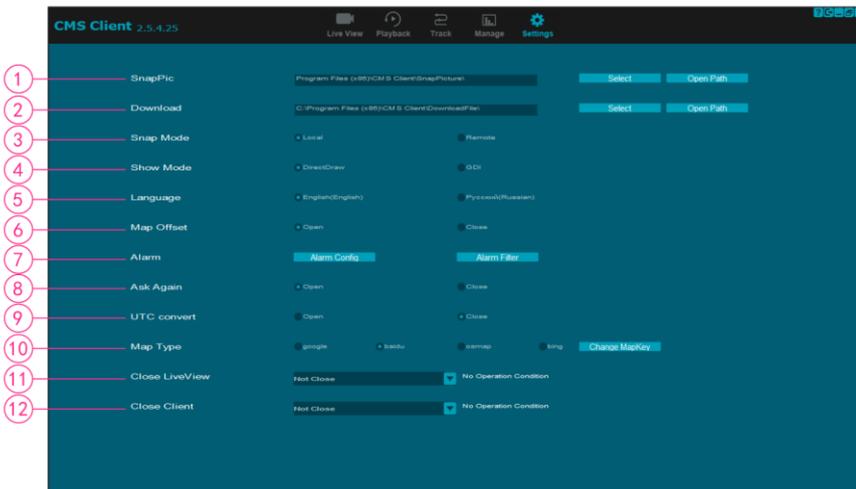
2.5.6.6 Query

Select a rule and click the Query button to view the device using the rule (as shown below):



2.6 local settings

It can be set to a language, map or pop-up window that is convenient for your own operation according to your own usage habits. At the same time, you can also customize the file location that you save when you use it, so that you can find it quickly later and avoid the problem of insufficient memory.



(1) 截图保存路径

(2) 文件下载保存路径

(3) 截图模式

(4) 视频显示模式

- (5) 语言
- (6) 地图纠偏
- (7) 报警设置
- (8) 客户端关闭提示
- (9) UTC
- (10) 地图类型
- (11) 关闭录制
- (12) 关闭客户端

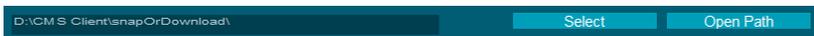
2.6.1 Snapic

Set the path to save the screenshot: click select to modify the path, and click open path to open the folder that the path points to.



2.6.2 Download

Set the save path for file download: click select to modify the path (but do not modify the path when a file is being downloaded), Click open path to open the folder that the path points to.



2.6.3 Snap Mode

You can set the screenshot mode to local or remote. When the file is in video mode, the local screenshot is more punctual but relatively fuzzy, while the remote screenshot is clearer but may have a delay. When the file is in JPG mode, there is little difference between local and remote screenshots.



2.6.4 Show Mode

You can set the video display mode to DirectDraw or GDI. DirectDraw mode consumes less CPU and is similar in image display. For some customers using DirectDraw can not display video problem, choose GDI mode can be solved.



2.6.5 Language

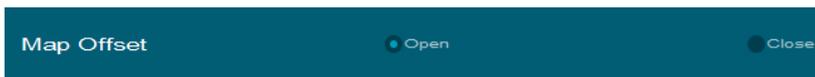
English and Russian are currently available.



2.6.6 Map Offset

When driving on the map of the Chinese server, the vehicle needs to turn on the map to correct the deviation, otherwise the GPS positioning and trajectory may appear deviation.

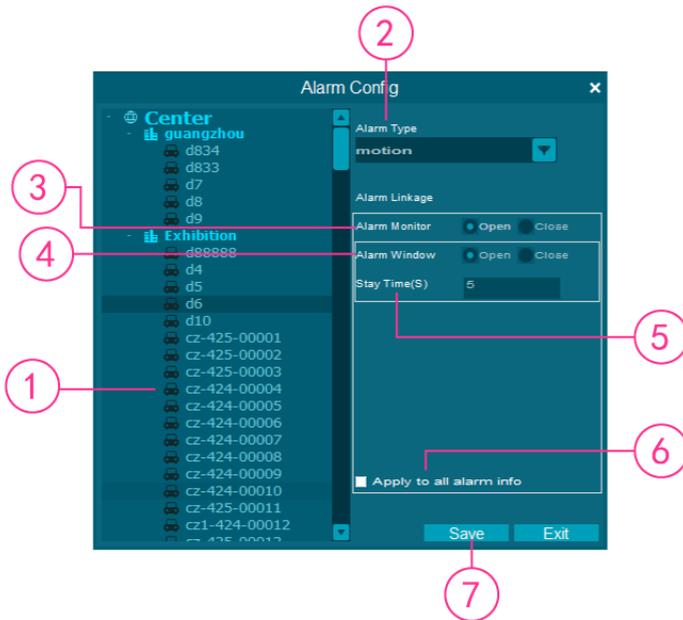
Vehicles on the foreign server's map do not need to turn on the map correction.



2.6.7 Alarm



2.6.7.1 Alarm Config



(1)The equipment list

Display all devices. The alarm linkage can only be set after the device is selected.

(2) Alarm type

Select the alarm type that needs to be set.

(3) Alarm Monitor

Alarm monitoring information

If Alarm monitoring is turned off, the Alarm information for the Alarm type of the DVR will not appear in the Alarm table on the first page.



(4) Alarm Window

If the alarm box is closed, the alarm box corresponding to the alarm type of the DVR will not appear.



(5) Alarm box dwell time

Set the time the alarm box stays on the screen. For example, if the dwell time is set to 5 seconds, the alarm pop-up appears and stays on the screen for 5 seconds before disappearing.



(6) Apply to all alarm messages

If checked, the current Settings will be applied to all alarm information of the device after saving.

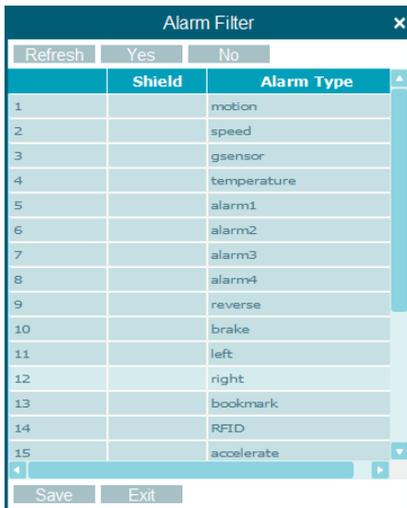


(7) save settings

After setting, click the button, **Save** save successfully and the following dialog box will pop up.



2.6.7.2 Alarm Filter



As shown, all alarm types are listed on the list. Select the alarm type to be shielded, click Yes, and then click Save. After successful saving, the alarm information of this alarm type will be shielded, and the alarm monitoring information and alarm pop-up information will no longer appear. To unblock, select the blocked alarm type, click No, and then save.

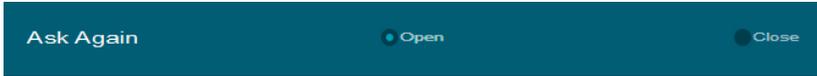
2.6.8 Ask Again

When the client is closed, the following prompt will pop up:



If you check Do not ask me again, the prompt will not pop up again when you close the client.

If you want to restart this prompt, you can do so in your local Settings.



2.6.9 UTC convert

If UTC is enabled, all time information about the DVR displayed on the client is based on the local time. If UTC is closed, all time information about the DVR displayed on the client is based on the time of the DVR.

UTC needs to be turned on/off simultaneously on the client and DVR for this feature to take effect.



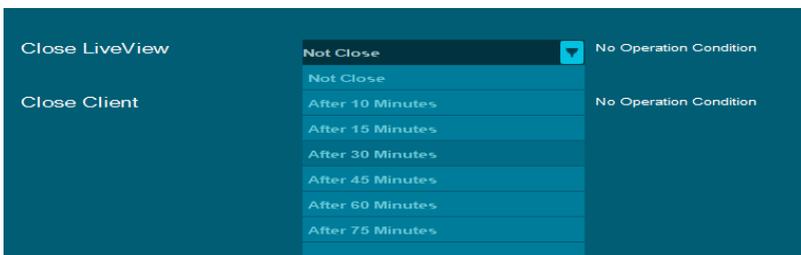
2.6.10 Map Type

Currently, there are four kinds of maps to choose from: Google, Baidu, OSMAP and Bing.



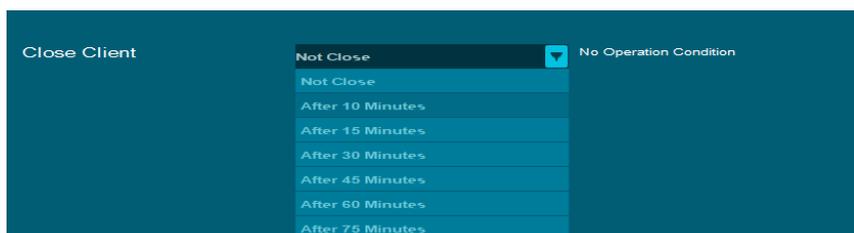
2.6.11 No keyboard input video stream time

When the keyboard and mouse are not operating, you can choose the video stream shutdown time minutes later /15 minutes later /30 minutes later /45 minutes later /60 minutes later /75 minutes later.



2.6.12 Close client

You can select the display conditions of the screen. The default state is none. The options are: 10 minutes later /15 minutes later /30 minutes later /45 minutes later /60 minutes later /75 minutes later.



2.7 Help documentation

Click the button  in the upper right corner of the Client to view the documentation of CMS Client, DV424 and DV425.