



How to configure Hikvision LPR Function via IVMS-5200P

1 Purpose

Vehicle Detection is available for the road traffic monitoring. In Vehicle Detection, the passed vehicle can be detected and the picture of its license plate can be captured. You can send alarm signal to notify the surveillance center and upload the captured picture to FTP server.

***Note:** Road traffic function varies according to different camera models. And, Mixed-traffic Detection (detecting pedestrian, non-motor vehicle and motor vehicle) is also available for some certain regions.*

Connect to camera via any appropriate WEB browser and login to camera using the appropriate administrative account.

2 iVMS-5200P Software Configuration

2.1 Enable Vehicle Detection

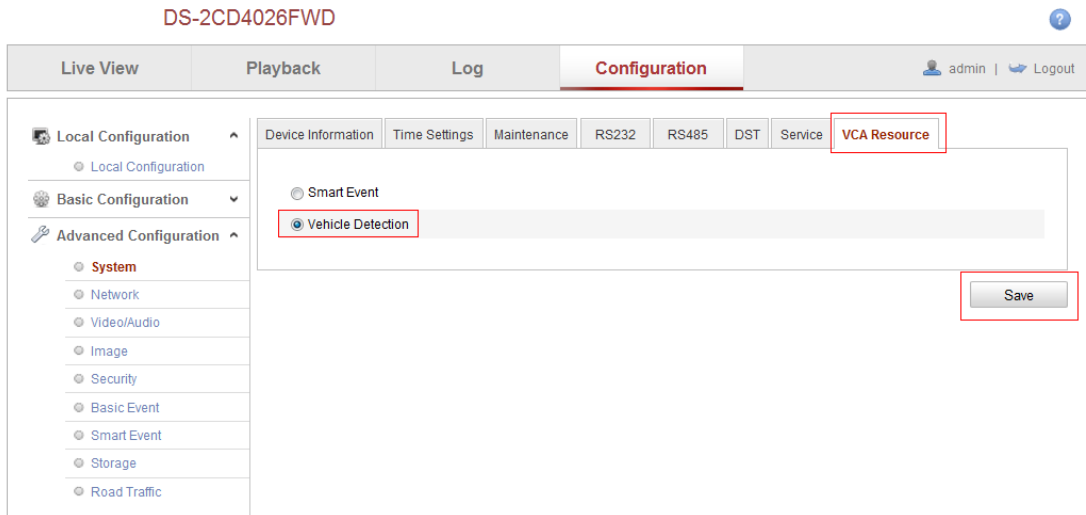
1. Upgrade the firmware to the specific firmware. The camera has to be connected to local network.
2. VCA resource can be efficiently allocated to get a better performance. Two modes of VCA resource allocation are supported: Smart Event and Vehicle Detection.

Go to **Configuration->Advanced Configuration->System->VCA Resource**

Select **Vehicle Detection** for the VCA resource allocation. Reboot the device to activate the new settings.

Note:

When Smart Event is enabled, the Vehicle Detection function is limited; When the Vehicle Detection is enabled, high frame rate, recording on SD card or NAS / CIFS, some certain smart events (for the details, see the actual operation interface) and people counting (non-iDS) are limited.



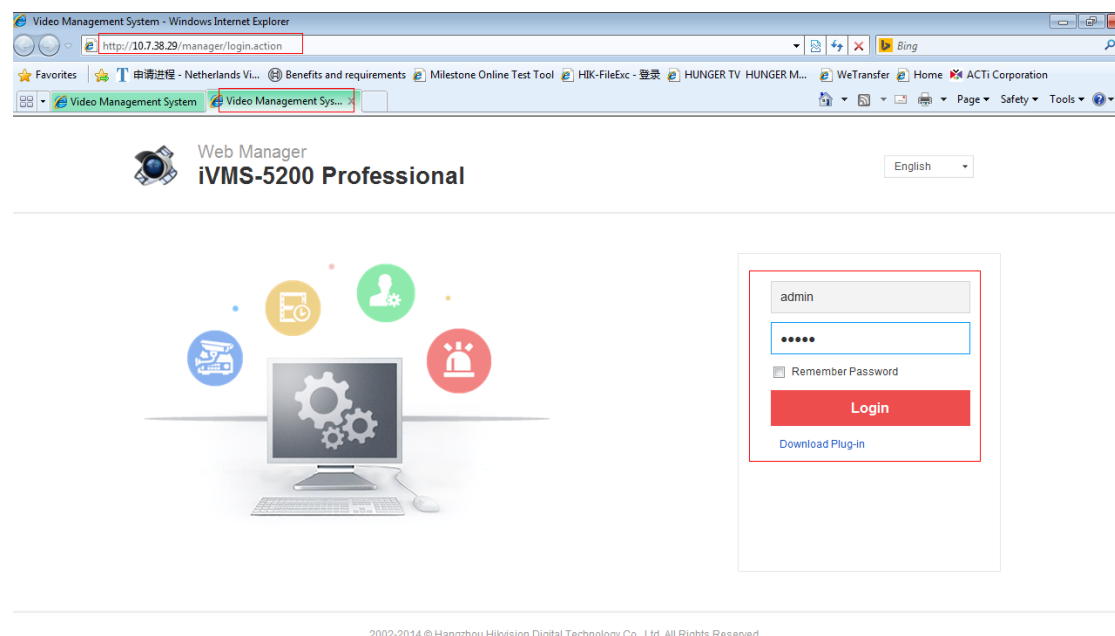
2.2 LPR Configuration on 5200P

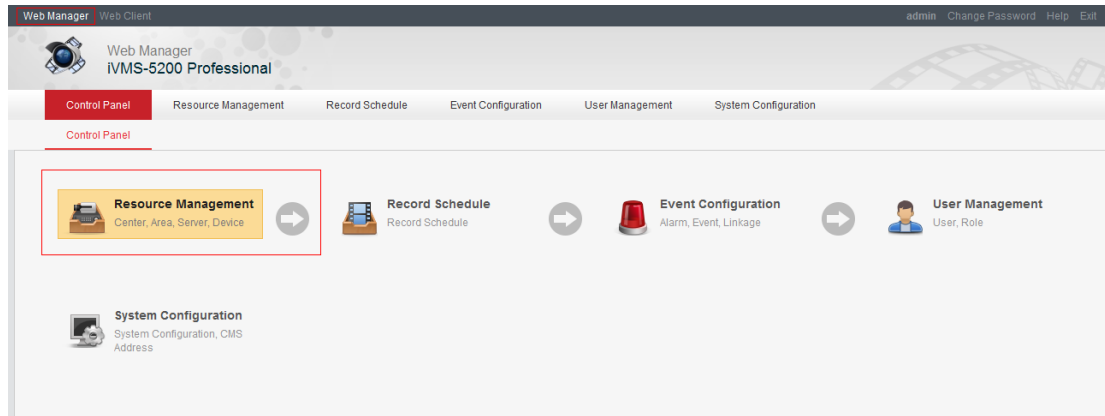
2.2.1 LPR Configuration

Open the **Web Manager** page of **iVMS-5200 Professional**, login and go to **Resource Management** option.

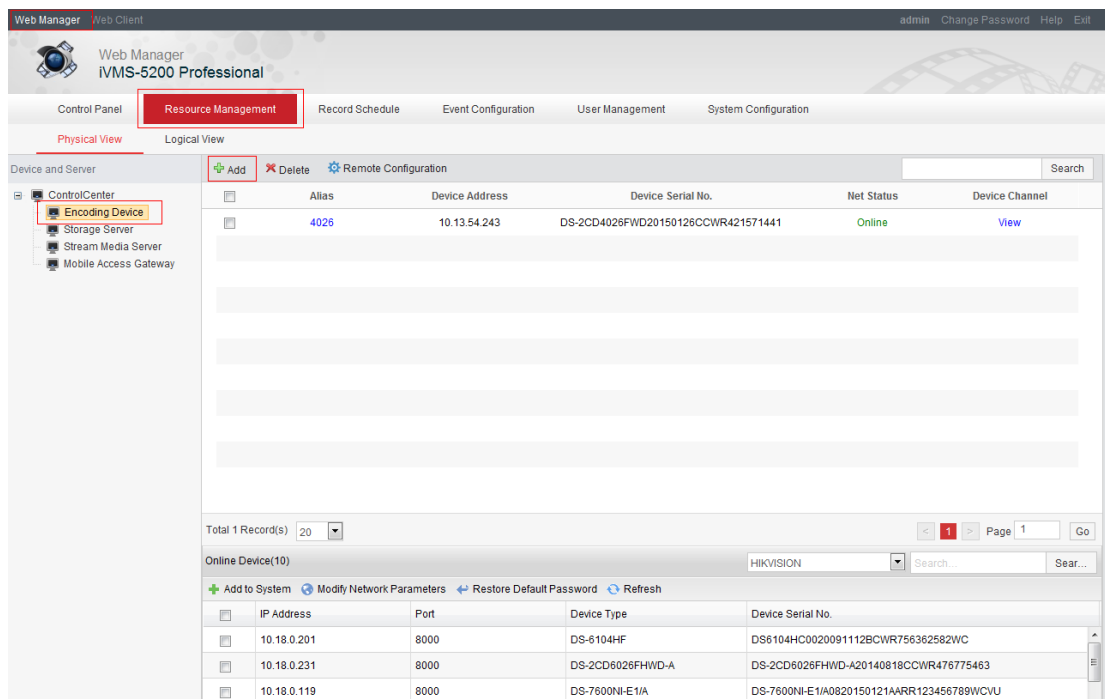
Note:

The default user name and PWD of 5200P is admin and 12345.





Select **Encoding device** and add the LPR camera into the software as follows. And click **OK** button, then you will see the device online.



Add

Adding Mode

Single IP Address

Add Offline Devices

Manufacturer

HIKVISION

* IP Address

10.13.54.242

* Port

8000

* Alias

4026

Range:[1~32] the characters such as !:*? "<>| cannot be entered.

* User Name

admin

* Password

•••••

Export to Area

☒

Superior

ControlCenter

Stream Media Server

Management

OK

Cancel

Go to **Remote Configuration->Vehicle Detection**, configure the parameters just like as follows.

A. Select the **total number of lane** and **State** as you want. Then click **Draw** button, the region appears and click **Edit** to configure the **Arming schedule**. Enable the event alarm uploading

B. Configure the picture parameter of plate as follows.

C. If you want to upload the pictute to the cloud, please fill in the cloud info here.

D. Fill in the camera info for reference.

Web Manager

Web Client

admin

Change Password

Help

Exit

Web Manager

IVMS-5200 Professional

Control Panel

Resource Management

Record Schedule

Event Configuration

User Management

System Configuration

Physical View

Logical View

Device and Server

+

Add

✖

Delete

⚙

Remote Configuration

Search

	Alias	Device Address	Device Serial No.	Net Status	Device Channel
<input checked="" type="checkbox"/>	4026	10.13.54.243	DS-2CD4026FWD20150126CCWR421571441	Online	View
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					

Total 1 Record(s)

20

1

Page 1

Go

Online Device(9)

HIKVISION

Search...

Search...

+

Add to System

⚙

Modify Network Parameters

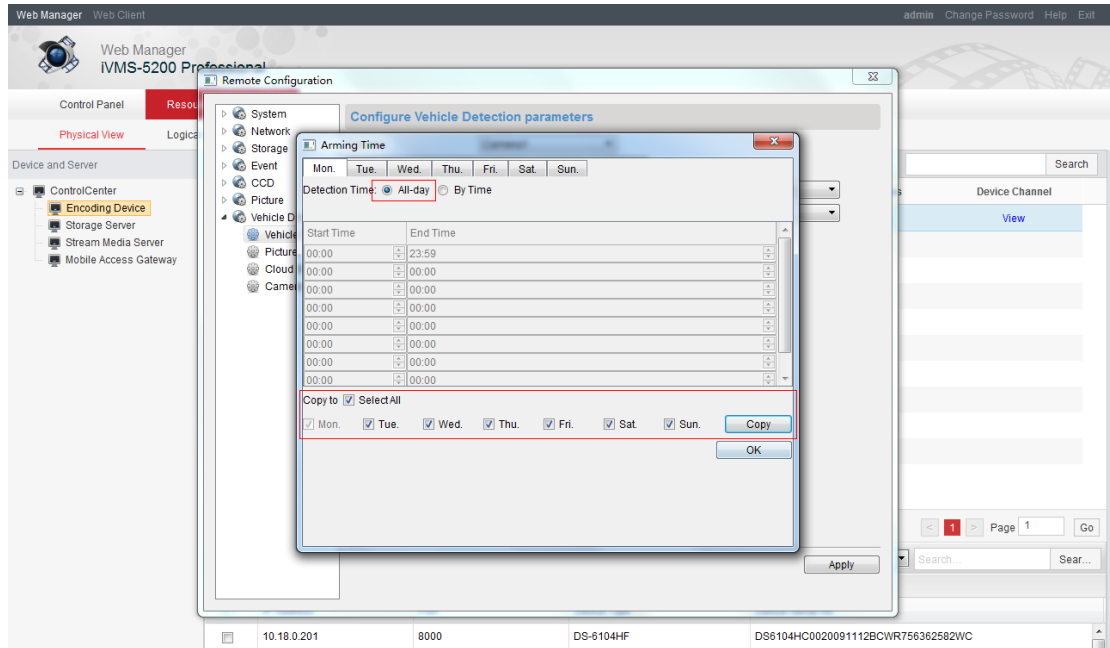
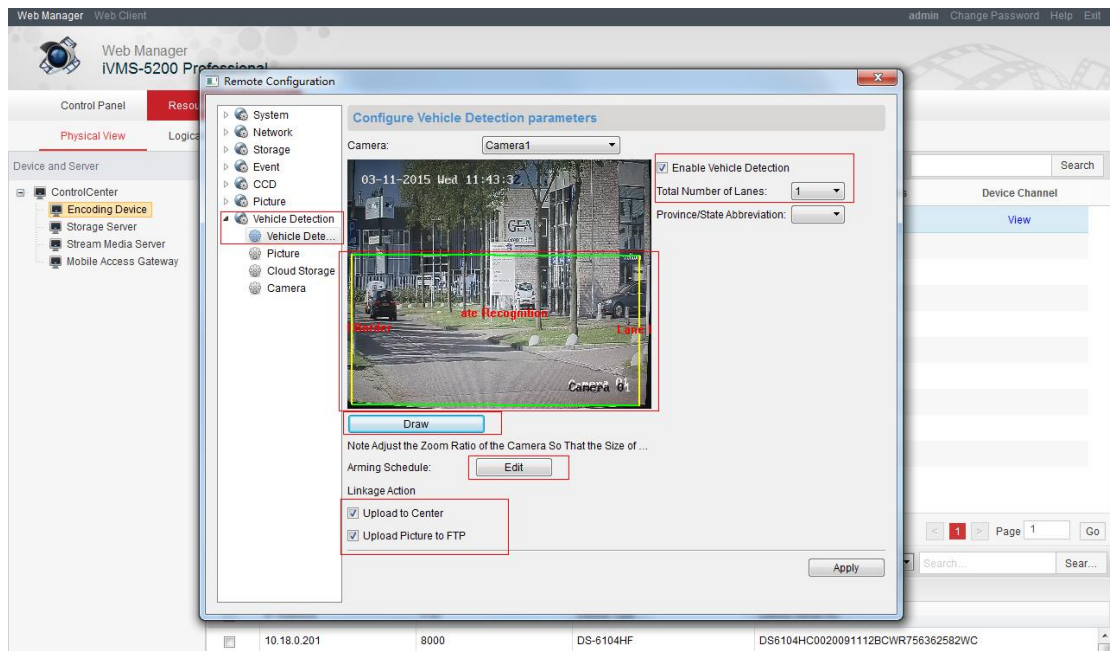
↶

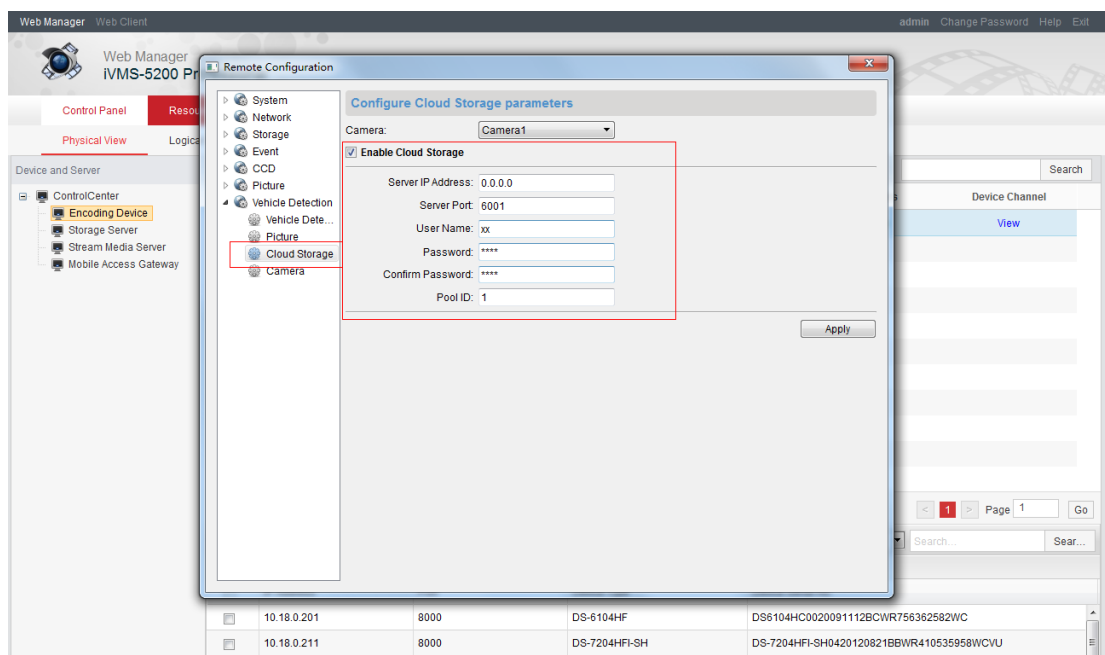
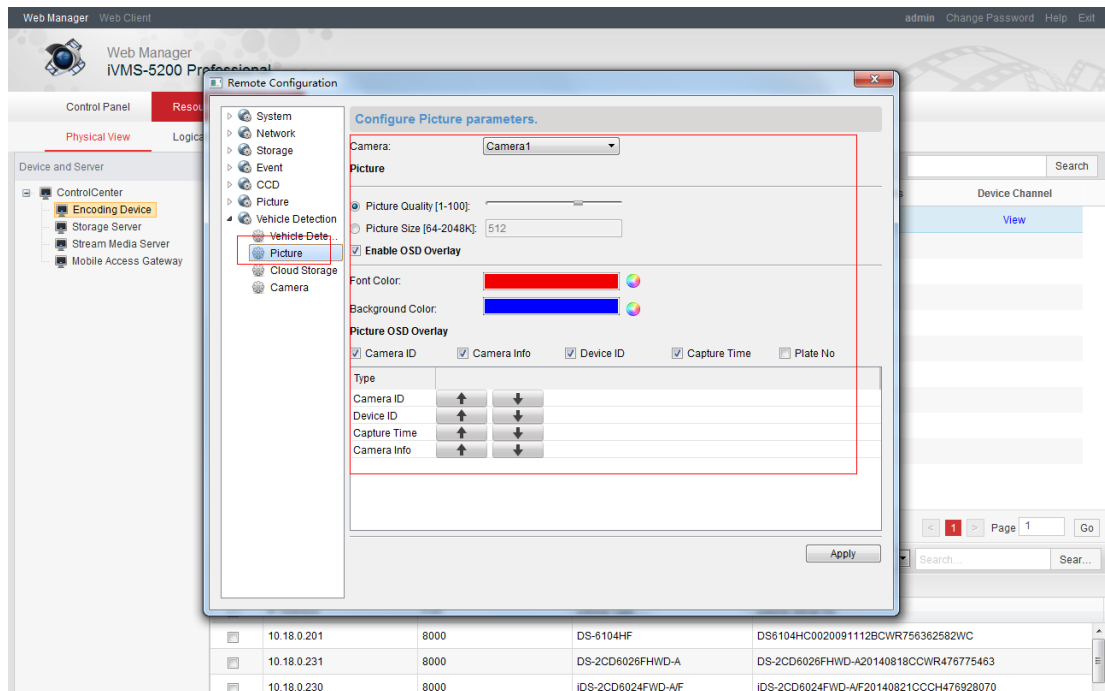
Restore Default Password

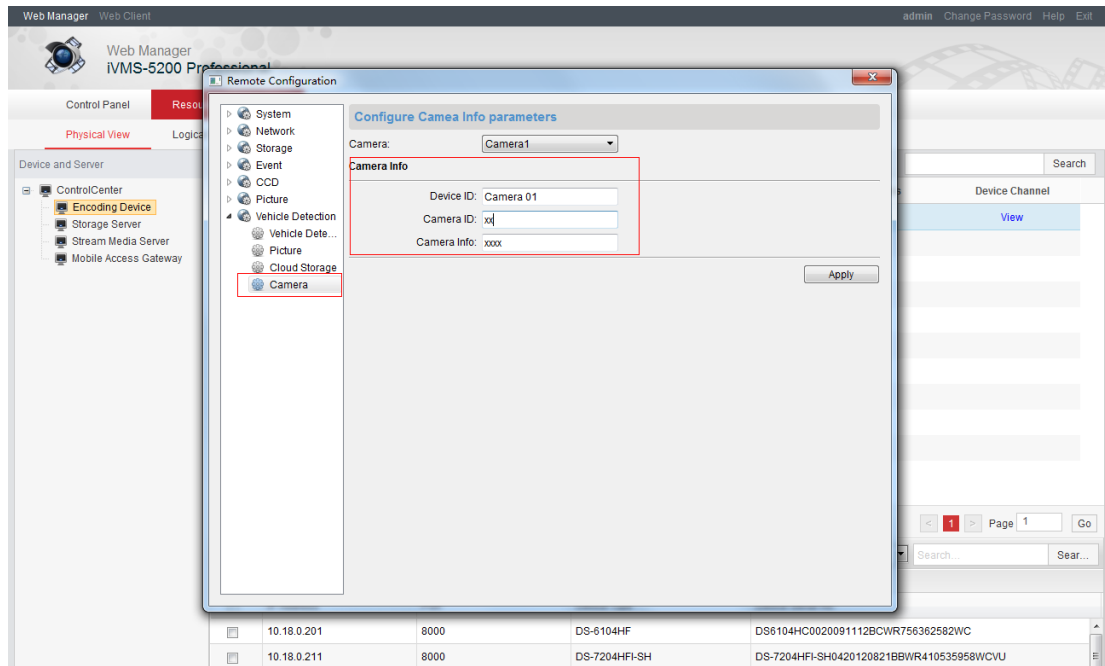
↻

Refresh

	IP Address	Port	Device Type	Device Serial No.
<input type="checkbox"/>	10.18.0.201	8000	DS-6104HF	DS6104HC0020091112BCWR756362582WC

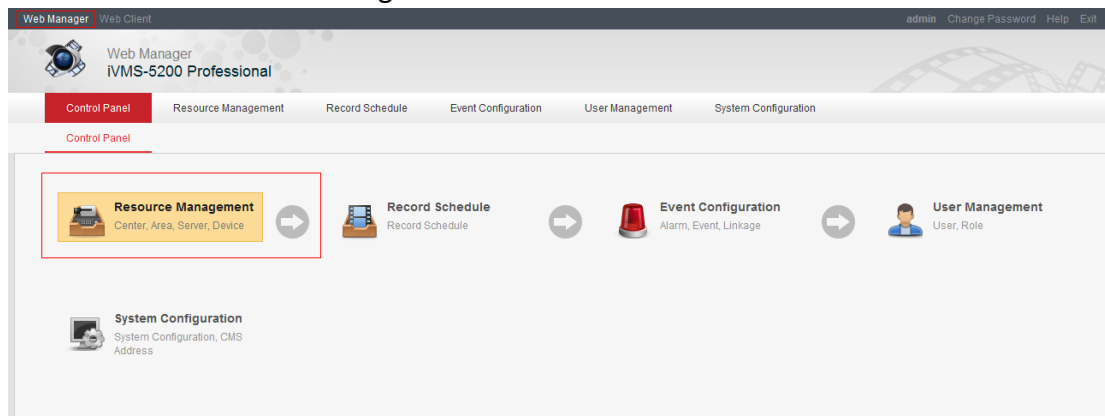


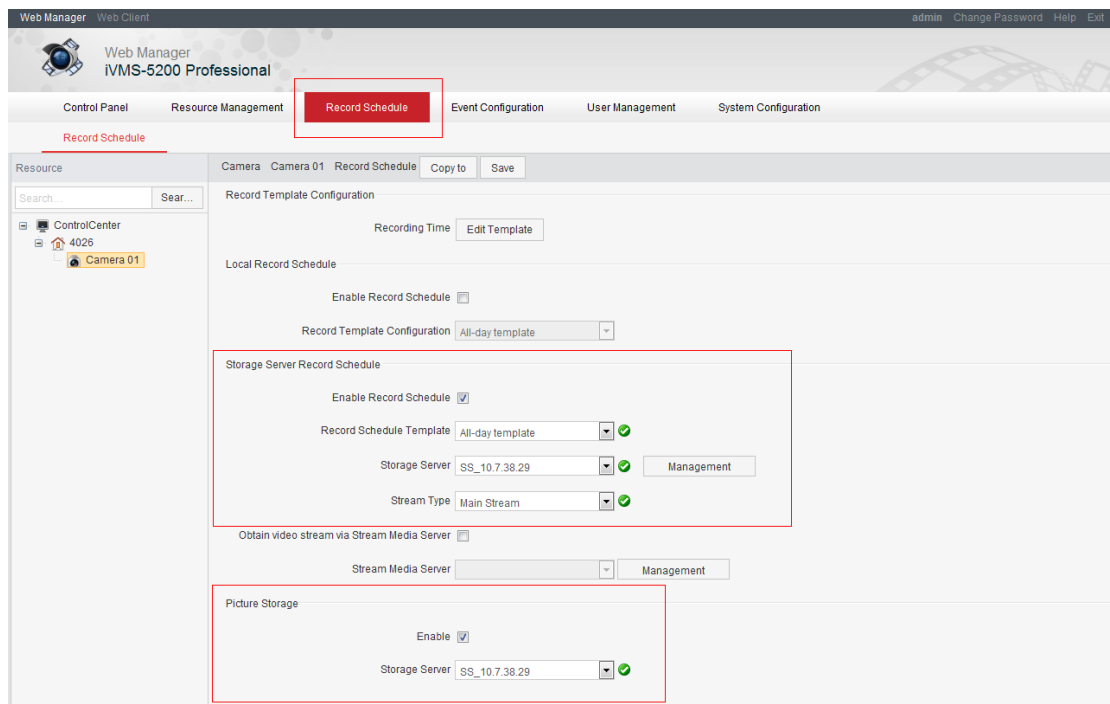
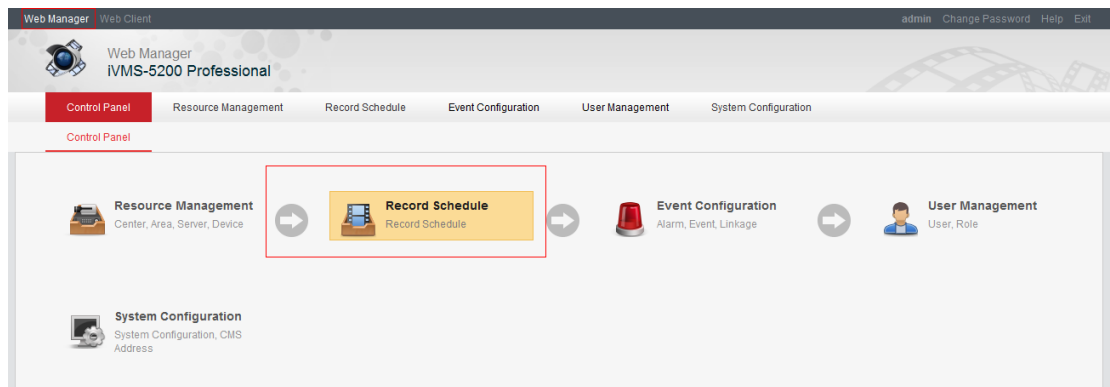
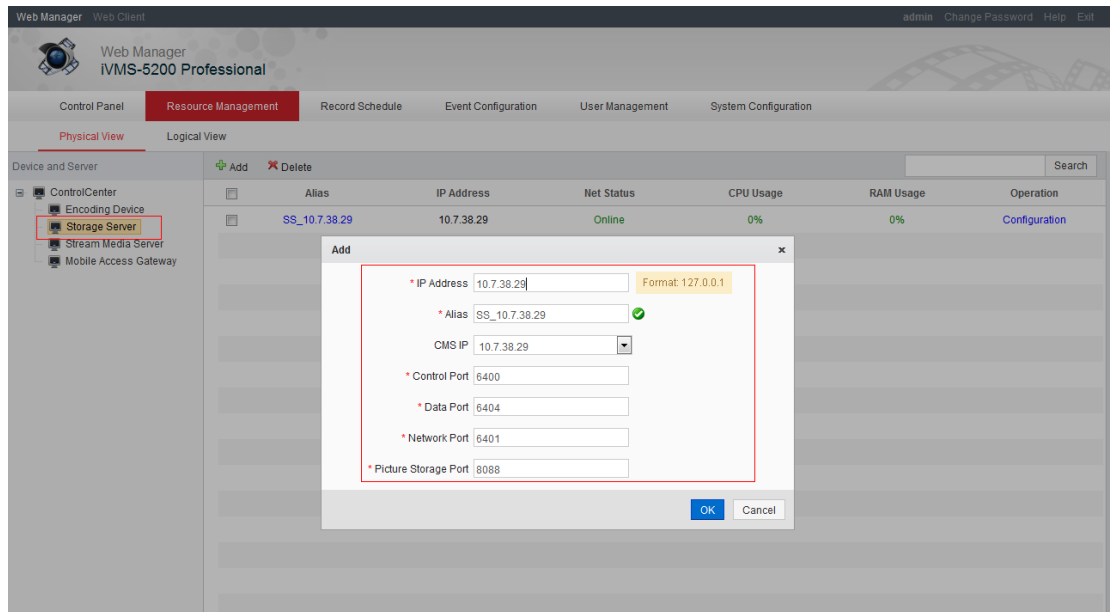




2.2.2 Storage server Configuration

Please make sure that **Storage Server** is enabled and then go to **Resource Management** to add it into 5200P. In sake of saving the video clip more accurately, users need to configure the record schedule via iVMS-5200P Storage. Please see the detailed configuration as below.

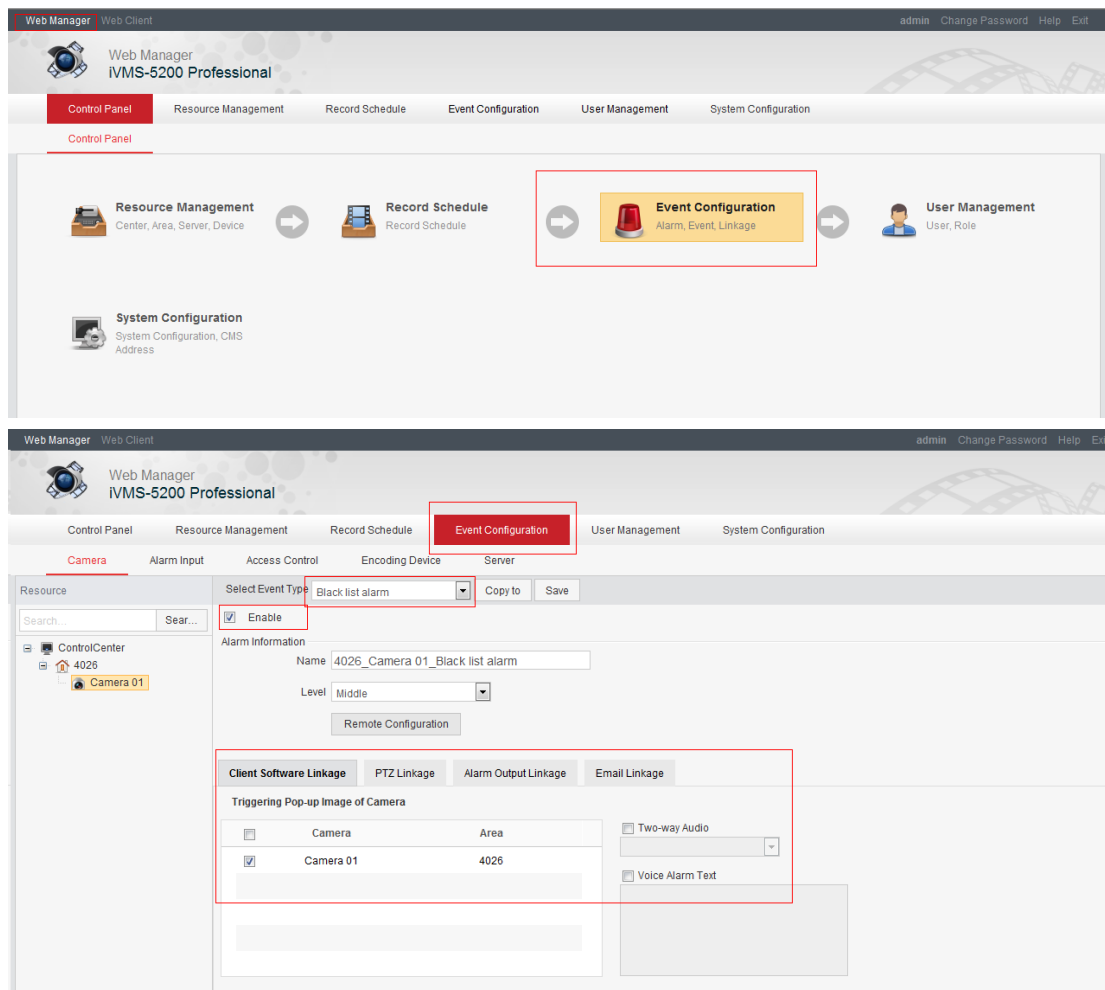


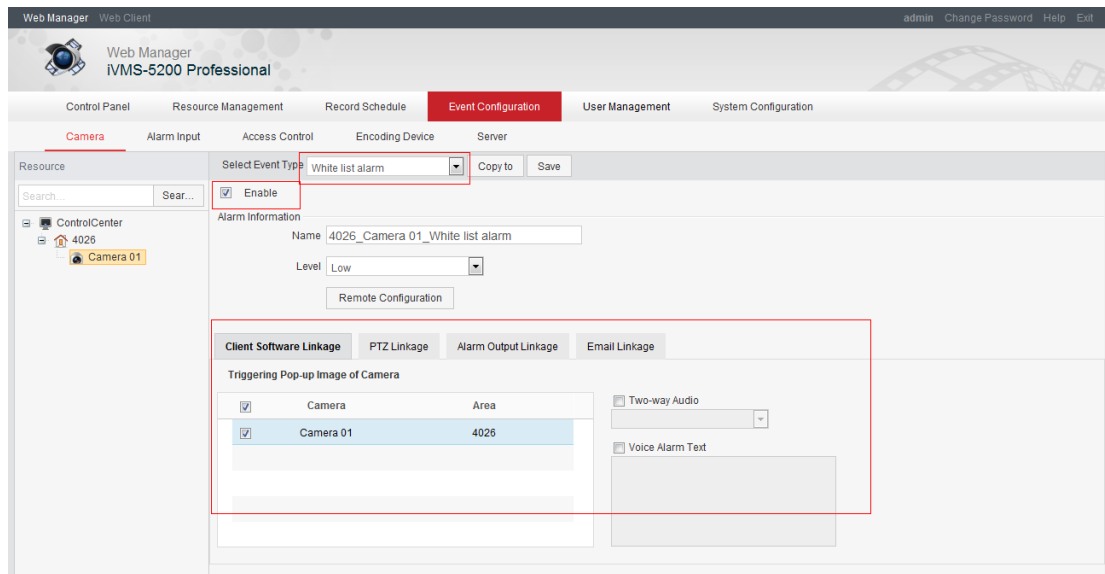


2.2.3 Black/White List Alarm

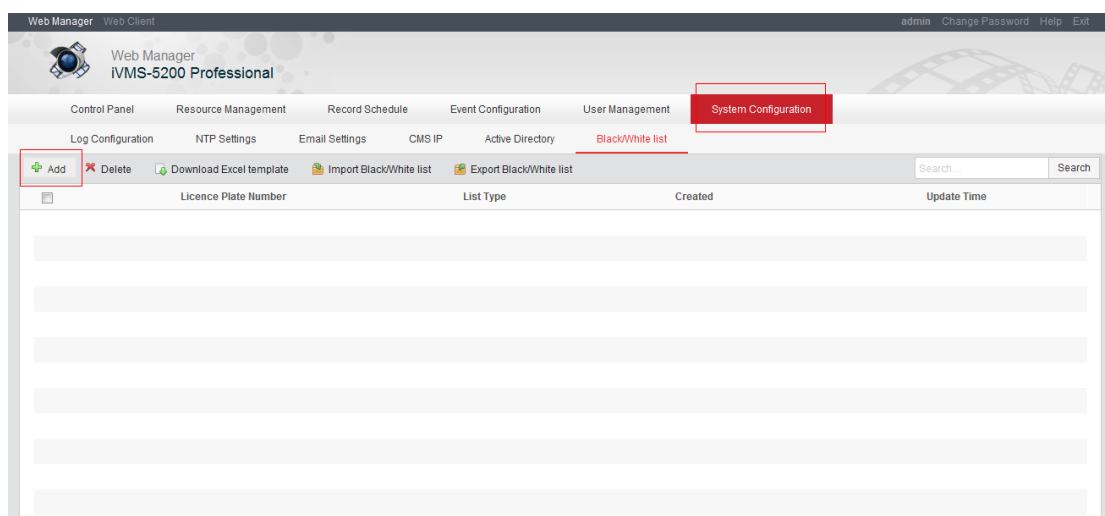
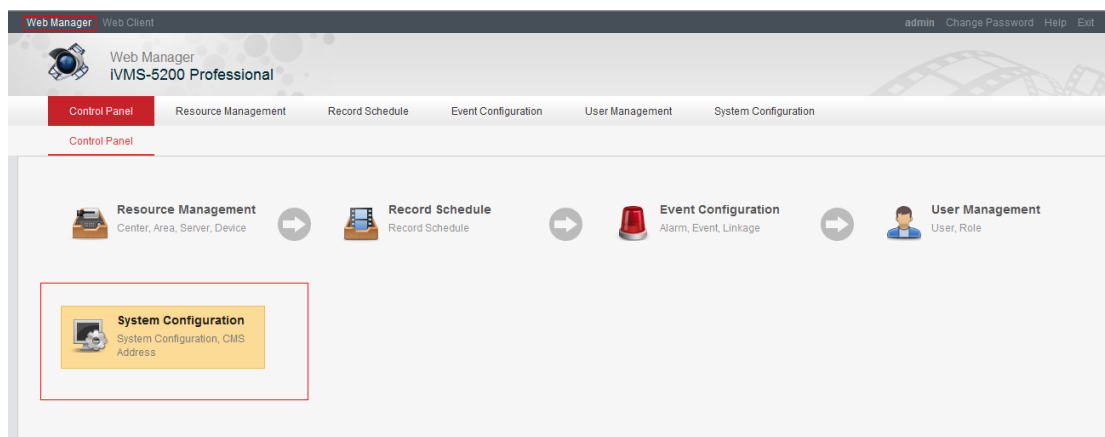
In this part, users need to configure the event trigger to make sure the alarm can be received by 5200P. Here 5200P supports **Black/White list** alarm uploading, users also can configure other alarm trigger as you want.

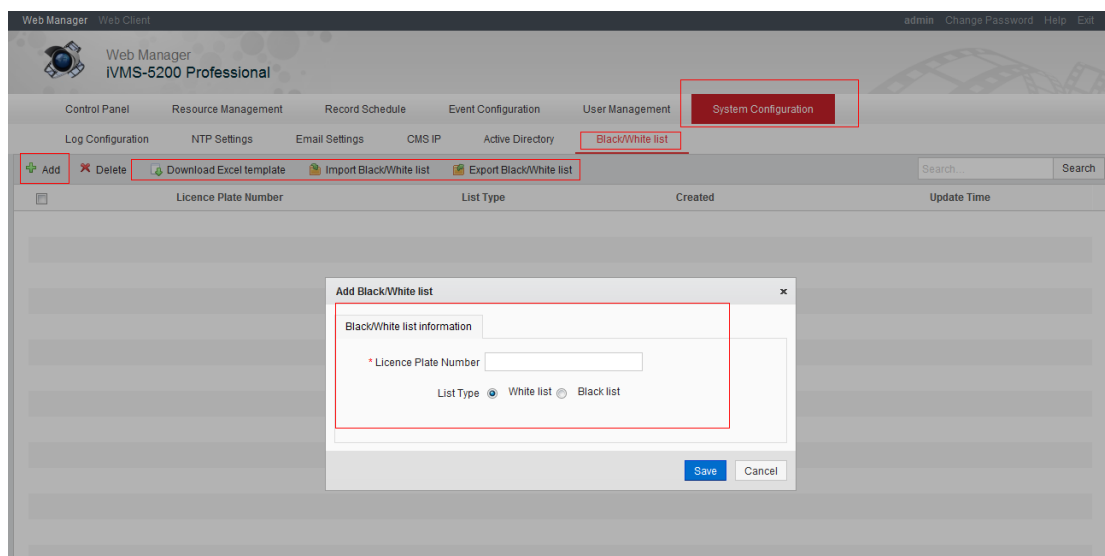
Please see the detailed configuration as below.





2 Go to **System Configuration-> Black/White list**, users can import the list by themselves. **Download Excel template** and **Export Black/White list** are also supported.

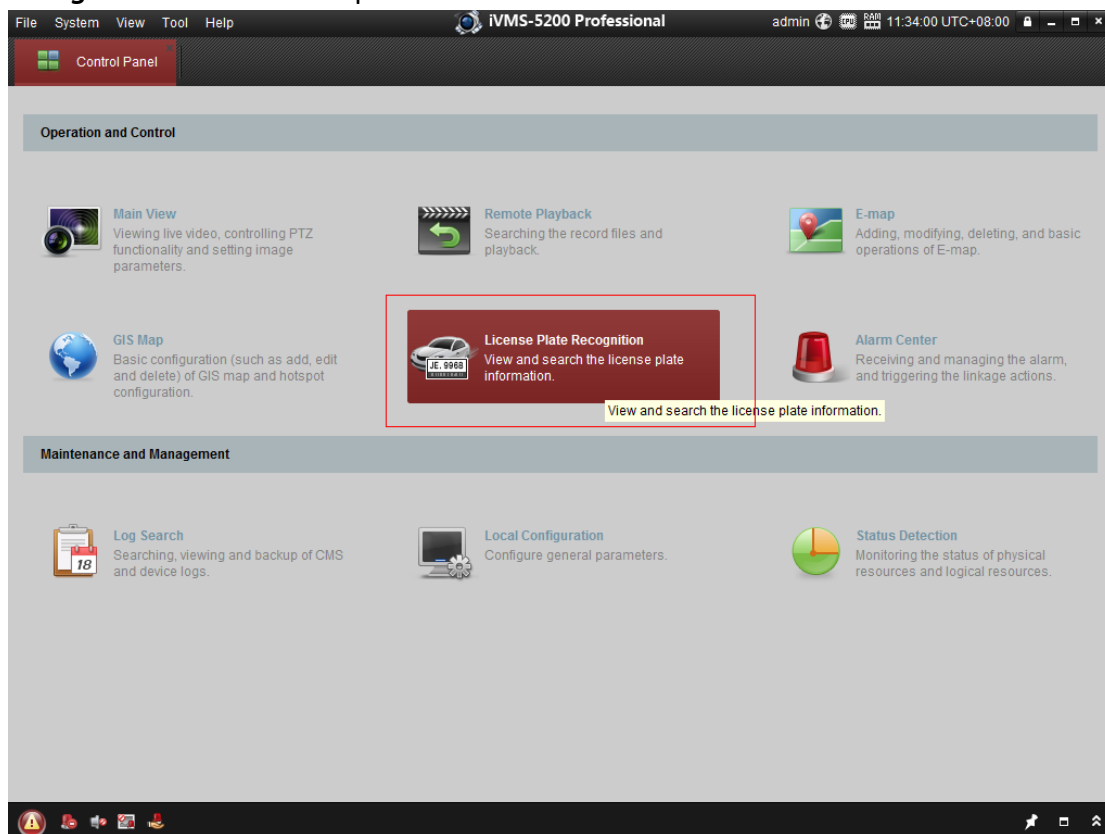




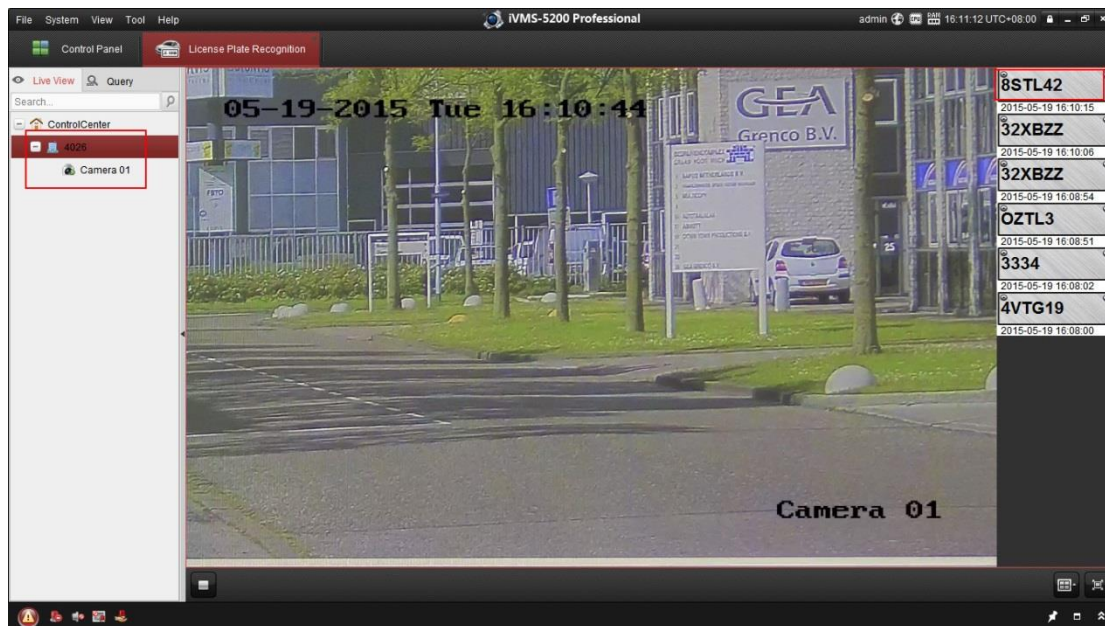
3 LPR Live view and Result searching

3.1 Live View

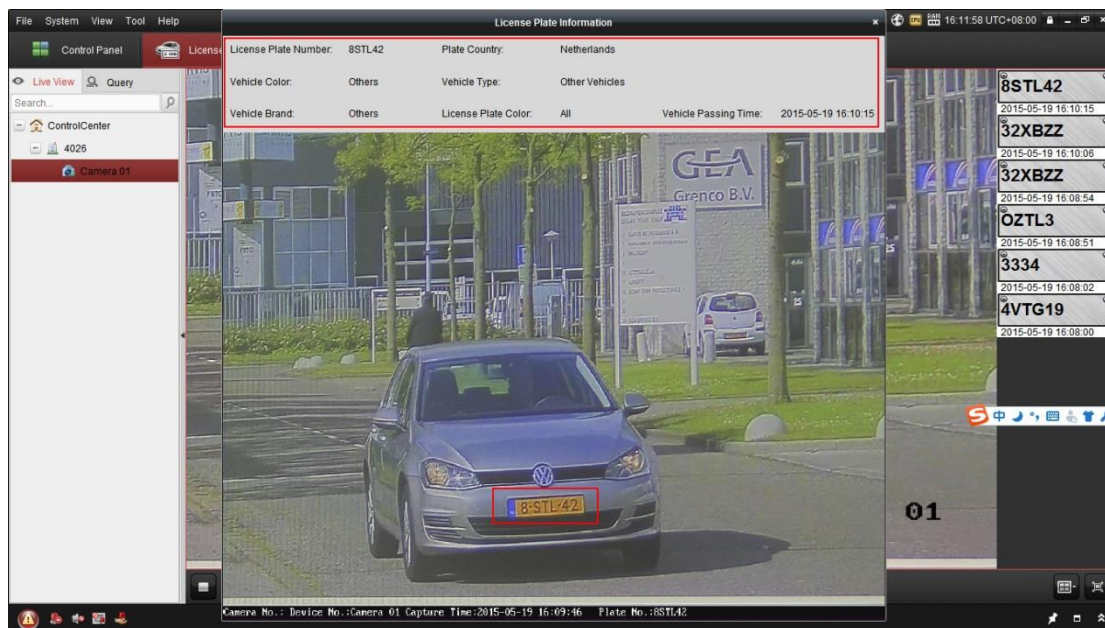
Open **iVMS-5200 Control Client**, connect to the correct CMS and go to **License Plate Recognition** in the control panel.



Select the camera and Live view, the plate captured will display on the image synchronously.



Double click the plate, the detailed info will be show on the interface.



3.2 Result Query

Go to **Query** option, choose the way of search, and select the start time/stop time and click **Search**, the specific plate info will be shown on the page. Please see detailed info as below.

Search by Support Country.

File System View Tool Help

IVMS-5200 Professional

admin 10:26:54 UTC+08:00

Control Panel License Plate Recognition

Live View Query

Search...

ControlCenter

4026

Support Country

Netherlands

Search by License Plate Number

License Plate Number

Search by Other Conditions

Vehicle Logo

All

Vehicle Type

All

Vehicle Color

All

License Plate Color

All

Start Time

2015-05-19 00:00:00

End Time

2015-05-19 23:59:59

Search

License Plate Number: 32XBZZ

License Plate Color: Others

Vehicle Type: Other Vehicles

Vehicle Color: Others

Vehicle Logo: Others

Camera Name: Camera 01

Capture Time: 2015-05-19 16:10:06

Plate Country: Netherlands

Vehicle Playback: PlayBack

Export File

Search Result

Camera Name	License Plate Number	Vehicle Type	Capture Time	Plate Country
Camera 01	83RGF5	Other Vehicles	2015-05-19 16:22:...	Netherlands
Camera 01	VF034P	Other Vehicles	2015-05-19 16:20:...	Netherlands
Camera 01	10VBF2	Other Vehicles	2015-05-19 16:17:...	Netherlands
Camera 01	41SJT2	Other Vehicles	2015-05-19 16:12:...	Netherlands
Camera 01	85TL42	Other Vehicles	2015-05-19 16:10:...	Netherlands
Camera 01	32XBZZ	Other Vehicles	2015-05-19 16:10:...	Netherlands
Camera 01	32XBZZ	Other Vehicles	2015-05-19 16:08:...	Netherlands
Camera 01	4VGT19	Other Vehicles	2015-05-19 16:08:...	Netherlands

Total: 20 Page: 1/3 Item Per Page: Self-adaptive

Go

Fail to download remotely. Error code IVMS-5200 Control Client.exe[3]

Search by License Plate Number.

File System View Tool Help

IVMS-5200 Professional

admin 16:19:20 UTC+08:00

Control Panel License Plate Recognition

Live View Query

Search...

ControlCenter

4026

Support Country

Netherlands

Search by License Plate Number

License Plate Number

Search by Other Conditions

Vehicle Logo

All

Vehicle Type

All

Vehicle Color

All

License Plate Color

All

Start Time

2015-05-19 00:00:00

End Time

2015-05-19 23:59:59

Search

License Plate Number: 41SJT2

License Plate Color: Others

Vehicle Type: Other Vehicles

Vehicle Color: Others

Vehicle Logo: Others

Camera Name: Camera 01

Capture Time: 2015-05-19 16:12:23

Plate Country: Netherlands

Vehicle Playback: PlayBack

Export File

Search Result

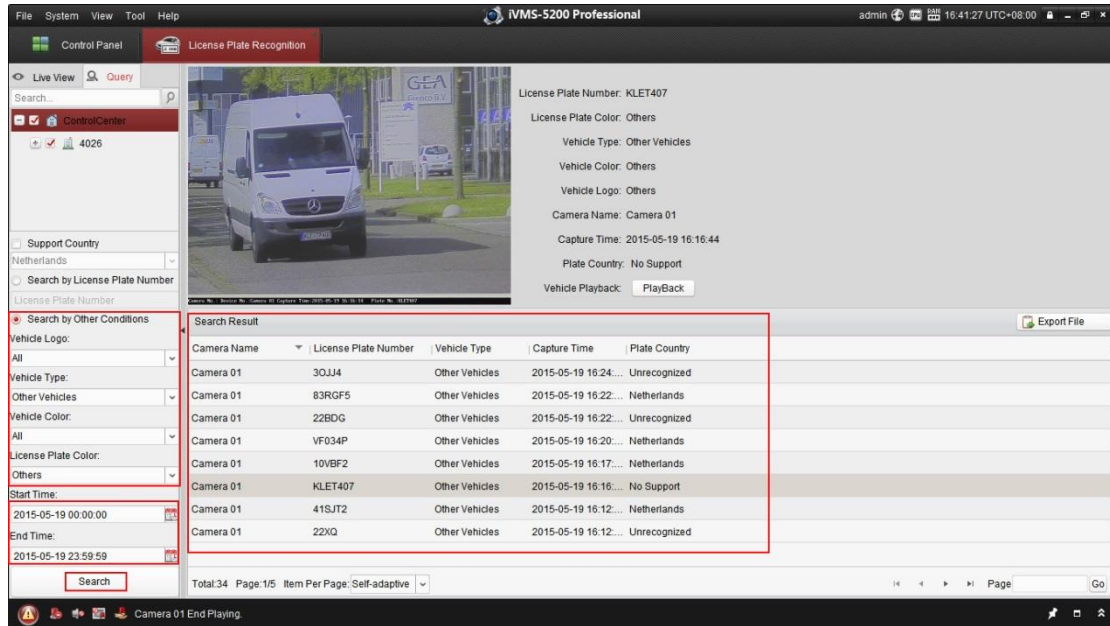
Camera Name	License Plate Number	Vehicle Type	Capture Time	Plate Country
Camera 01	41SJT2	Other Vehicles	2015-05-19 16:12:...	Netherlands

Total: 1 Page: 1/1 Item Per Page: Self-adaptive

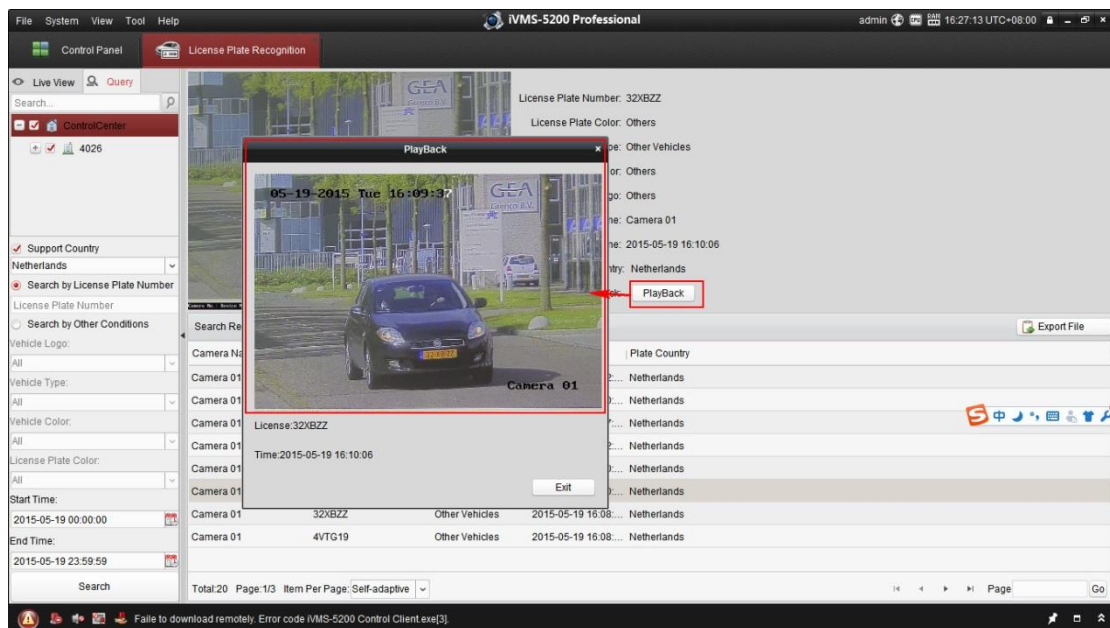
Go

Fail to download remotely. Error code IVMS-5200 Control Client.exe[3]

Search by Other Conditions.



You also can see the current image by click **Playback** button.



3.3 Result Save

Go to **Export File** option, choose the options that you want to save, select the file path and click **Backup**, the plate info will be save to local. Please see detailed info as below.

