SUREVISION

ANPR SETUP GUIDE

License Plate Camera Manual

How to setup and configure recording on ANPR camera

In this document we will show you how to setup and configure your ANPR camera to Record footage directly to the NVR.

This document will not cover information regarding third party server configuration.

This guide applies to cameras on firmware version **ANPR-B1105.2.7.230825** and up.

Please make sure your NVR and Camera are on the latest version before proceeding.

Firmware Updates for Surevision NVR.pdf (cctvsecuritypros.com)

Index.

Accessing the NVR Web Service

Open a browser such as Edge and proceed to the address bar at the top of the page.

In the Address bar type in the IP Address of the NVR that you want to use as your ANPR server. You can find the IP Address at the local system from the **Menu > Network > TCP/IP** page or download our SVTools program here.

https://www.cctvsecuritypros.com/surevision-downloads

Figure1-1

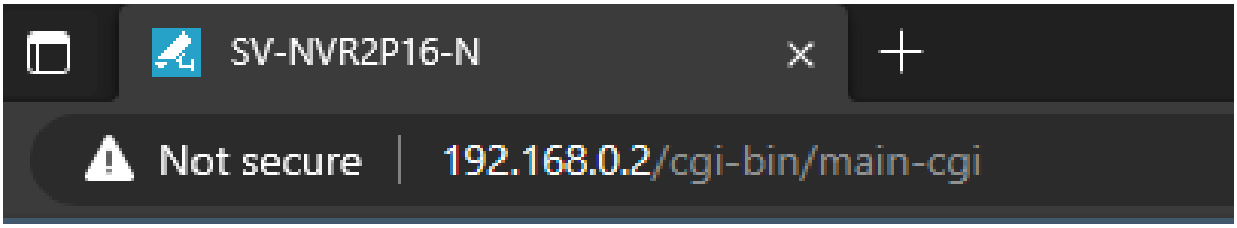


Figure1-2

Once you have typed in your IP address the web service will ask you to login using the username and password you created on your NVR when it was first setup.

Login to your account and proceed to the **SETUP** page at the top of the screen

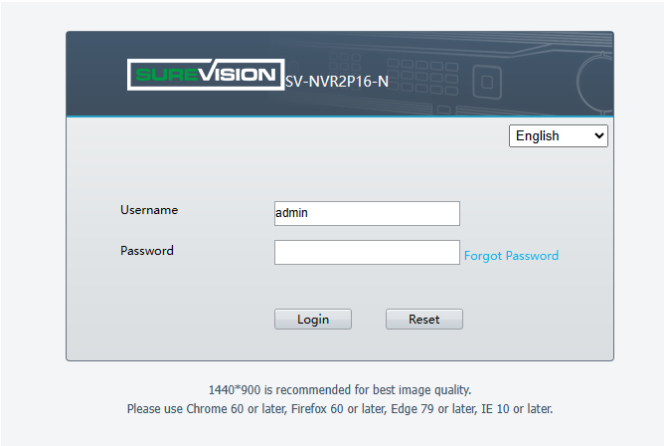
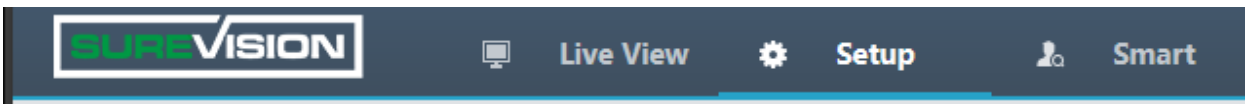


Figure1-3



Before proceeding to access the camera please make sure your NVR is connected to the Internet and Update your camera using the NVR's IPC Upgrade Page.

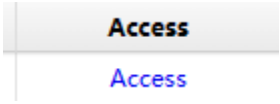
You can follow this link to learn how to update your camera.

Firmware Updates for Surevision NVR.pdf (cctvsecuritypros.com)

Accessing the Camera Web Service

On the setup page go to the **Camera > Camera** page and select Blue Access button to the right of the Channel that the ANPR camera is listed on. (**See Figure 2-1**)

Figure 2-1

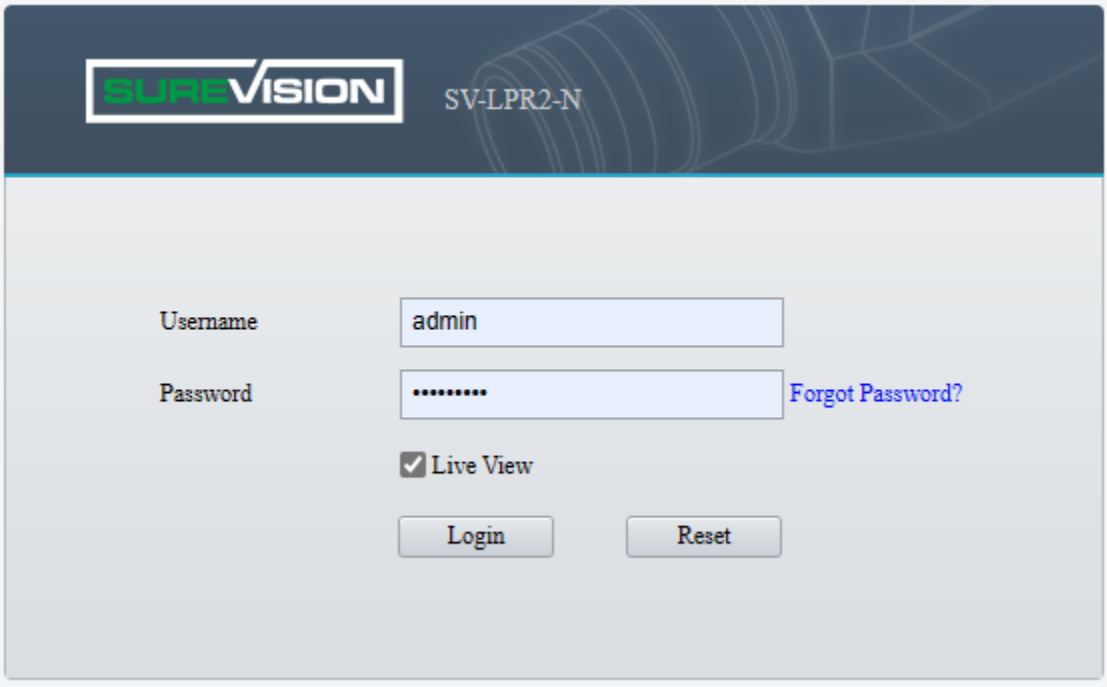


The web service requires a computer to connect to the camera directly.

Login to the Camera

This will take you into the Web Service of the Camera where it will ask you to login using the camera's credentials. By Default, this is **Username:** *admin* **Password:** *123456* and you can proceed to the Setup Page of the camera.

Figure 3-1



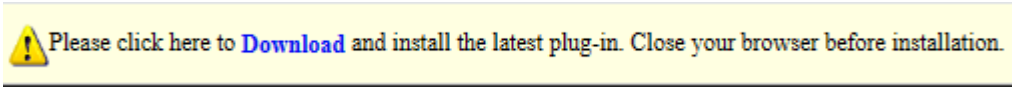
Note: If the Default password does not work, please try your system password.

Once you have the password logged in it will prompt you to create a password and assign an email address to the camera. Please use an email that will be easily accessible in the event the camera password needs to be reset.

Once logged in please install the plugins at the top to ensure you can view the camera feed.

Installing Plugins

Figure 4-1



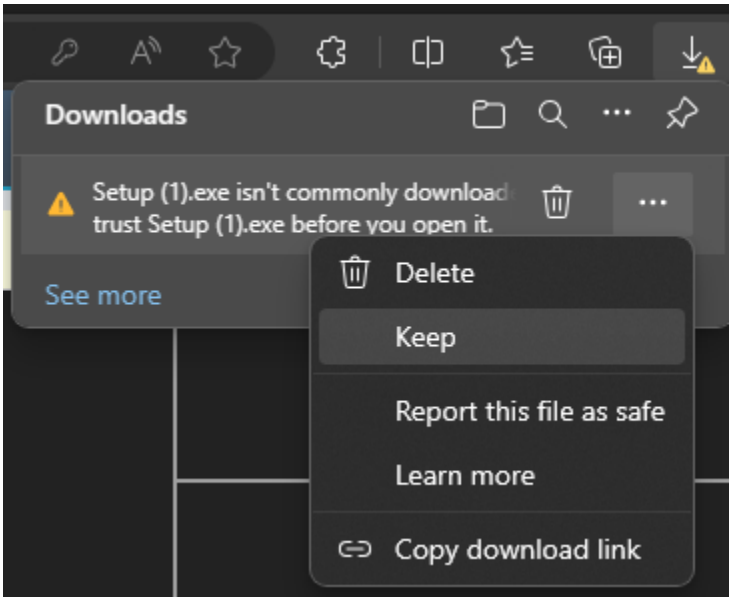
Note: If the Plug-in does not allow you to download it please make sure your camera is on the latest firmware. **ANPR-B1105.2.7.230825** is the current version as of writing this guide.

Figure 4-2

On Edge the plugins may ask you to verify that you trust the source, You can select the **Download Icon** in the top right corner of the browser and select the **Three Dots** and pick **Keep**.

Click Show More at the bottom of the box prompt and pick **Keep Anyway**

(**See Figure 4-3**)



Close the Web Page then start the Installer. Once the plug-in is installed you should be able to see your Camera Feed.

Figure 4-3

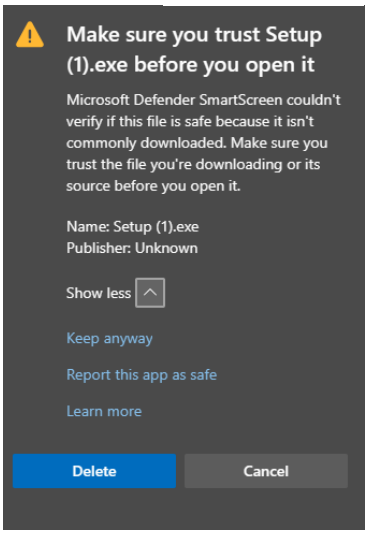


Figure 4-4

Setting up the Photo Server

This part is determined by what kind of system you have and how the camera is plugged in.

If you have a 16 channel NVR or lower, you will use the IP address found under the NVR's **Setup > TCP/IP > PoE NIC IP Addr.**

By Default the PoE NIC is set to **172.16.0.1**

If you are using a 32 Channel NVR or Higher, you need to use the IP Address of the NIC you are plugged into. For example in the **NVR's Setup > TCP/IP page**, if you have your network plugged into NIC 1 and the IP is 192.168.1.20 and a POE Switch plugged into NIC 2 with the IP of 192.168.2.20 and the camera is plugged into the Switch, you would use 192.168.2.20

If you are plugged into the network, you will use the IP Address of the NIC that is currently connected to the same network as your NVR in the **NVR's Setup > TCP/IP page**.

In the camera go to **Setup > System > Photo Server** and **Enable Platform 1.**

Select the **Protocol Video&Image Database** and set the Server IP to the correct IP Address. Then give the camera a Unique Device ID between 1-20 digits.

Type in the username and password of the NVR and confirm the password for authentication, then once done hit SAVE at the bottom left of the page.

Now that the camera has it's platform server setup you will need to next go to the NVR's Web Service and proceed to Setup > Platform > Video&Image Database > Configure VIID Local.

(See Figure 5-2)

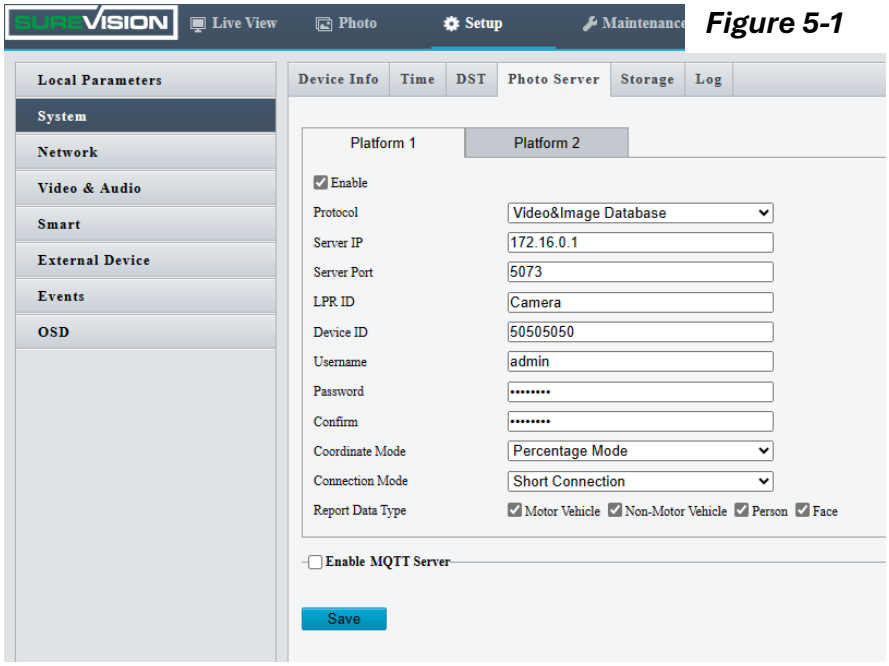
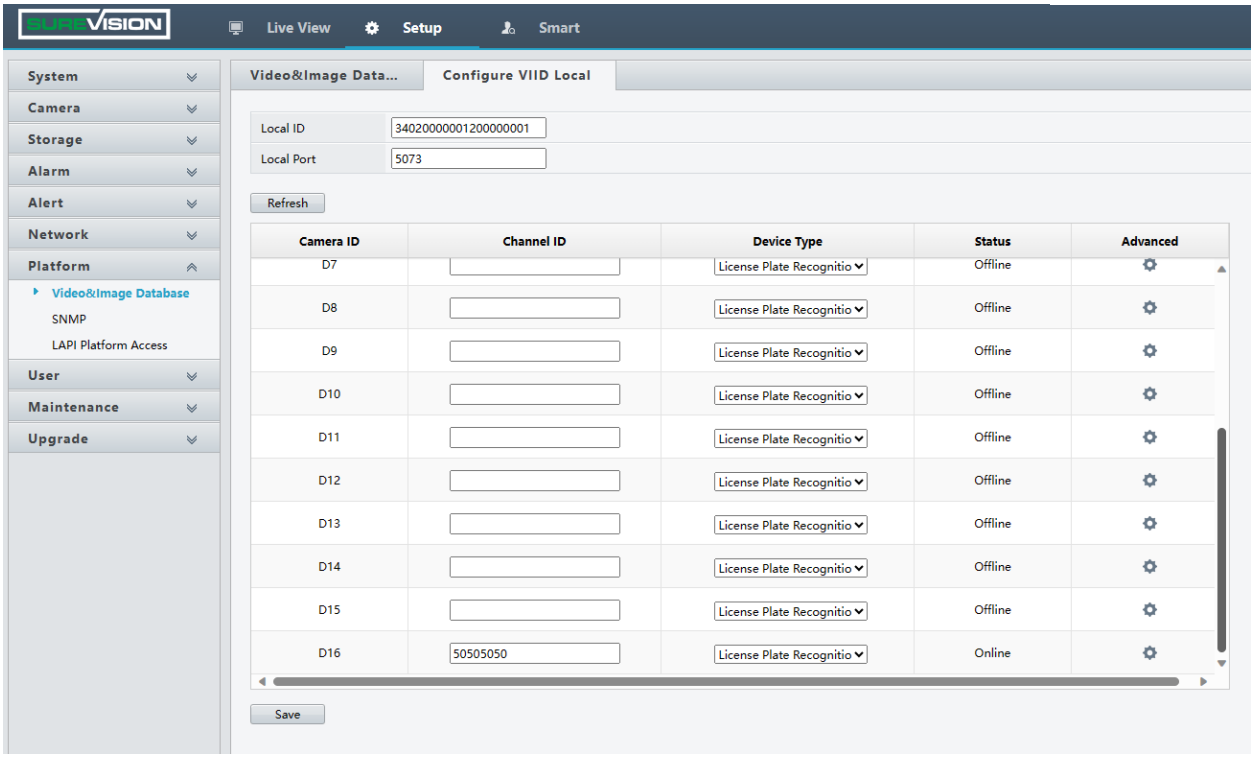


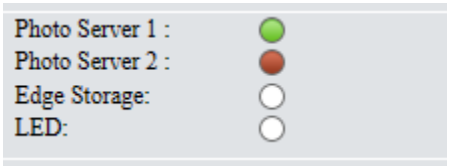
Figure 5-1

Figure 5-2



Find the Channel Number that the camera is on on the list of Camera ID's and type in the Unique Channel ID you created earlier into the Channel Number of the camera. Save the page and if done correctly after a few minutes your camera should show a Green Dot in the bottom left of it's Web Service showing that it is connected. **(See Figure 5-3)**

Figure 5-3



Note: If the photo server is not showing green try the following.

1. Refresh the browser.
2. Check that the correct Username and Password was input
3. Check that the correct IP Address was input.
4. Restart the NVR / Camera

Smart Vehicle Detection / Snapshot Setup

To Setup the area the detection area of the camera, go to the **Smart > Smart** page in the Camera's Web Service, select **Draw Detection Rules** and place the detection area of the camera where the passing plates will be driving through. Make sure the camera is positioned in a way that it will be close to the vehicles entering or exiting as the further away it is the less accurate your detection will be.

Figure 6-1

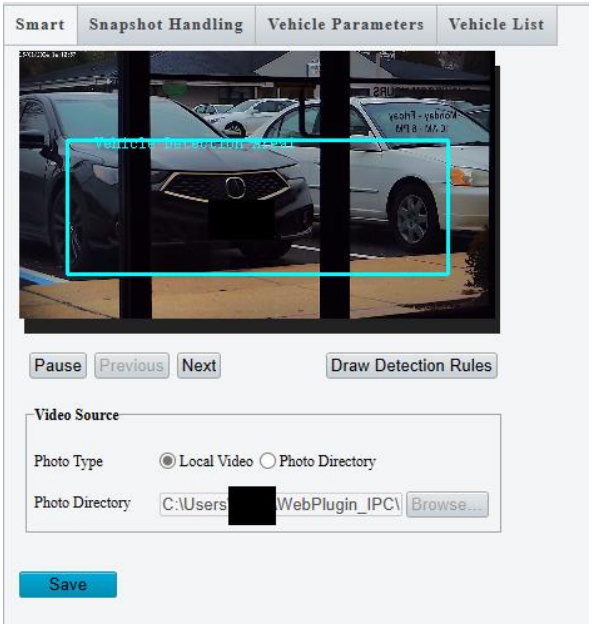
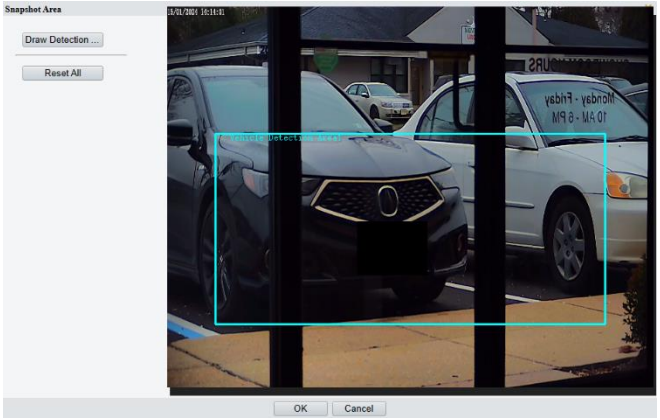


Figure 6-2



After Setting the area you can select OK then Save to apply the settings.

On the **Snapshot Handling** page you can make adjustments to passing records on vehicles and report handling.

Figure 6-3

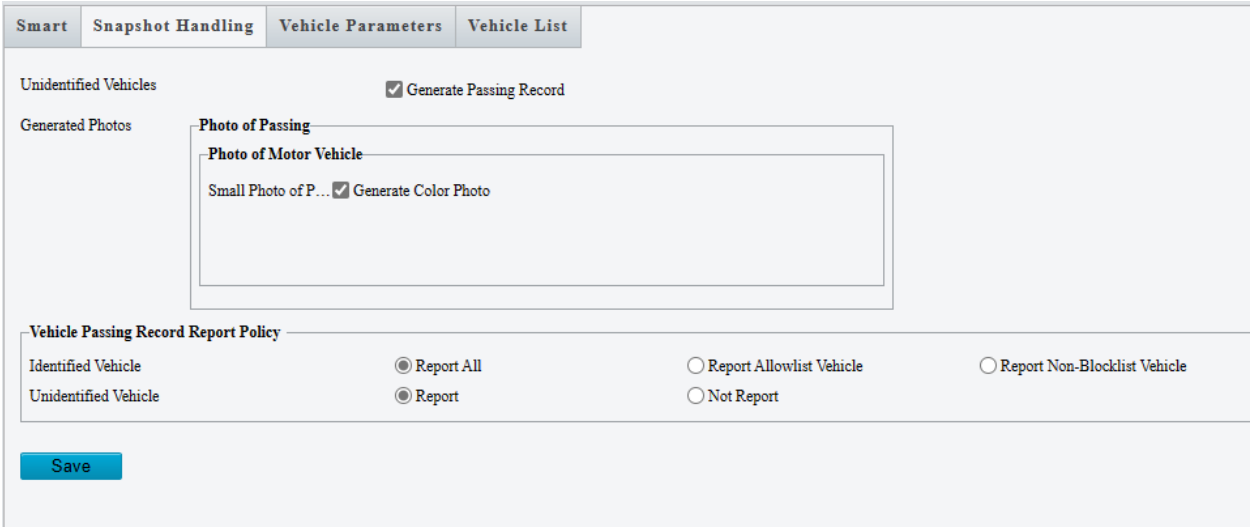
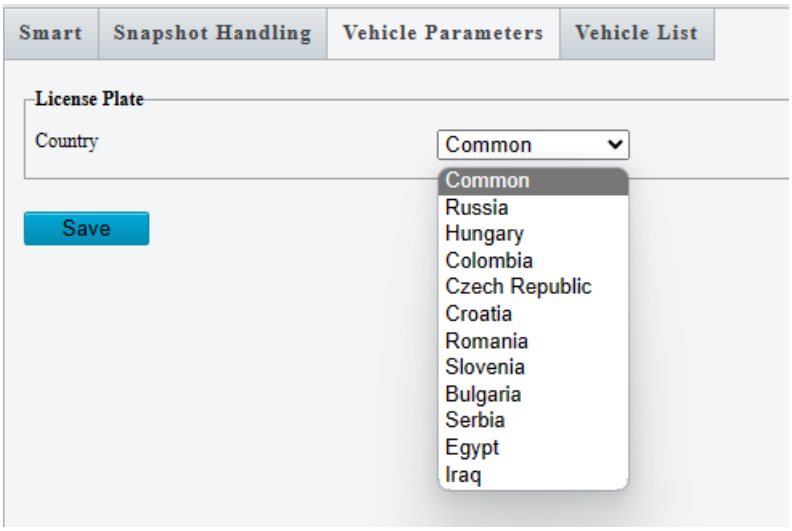


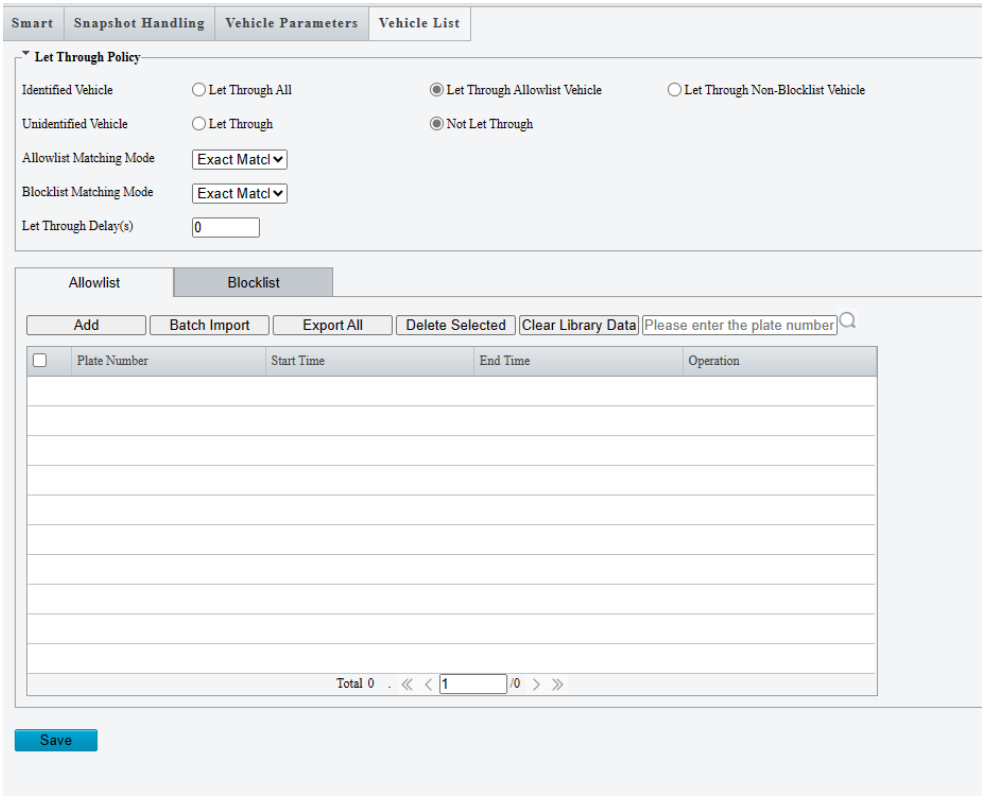
Figure 6-4

The **Vehicle Parameters** page will allow you to change what plate detection you are using. **Common** is the default setting and will recognize most plates.



The **Vehicle List** page will allow you to setup a policy on **Blocklisting** or **Allowlisting** certain plate ID numbers to allow for more advanced trigger setup for gates or alarms. You can import plate lists via .csv file and can download a template from the camera's **Batch Import** option.

Figure 6-5

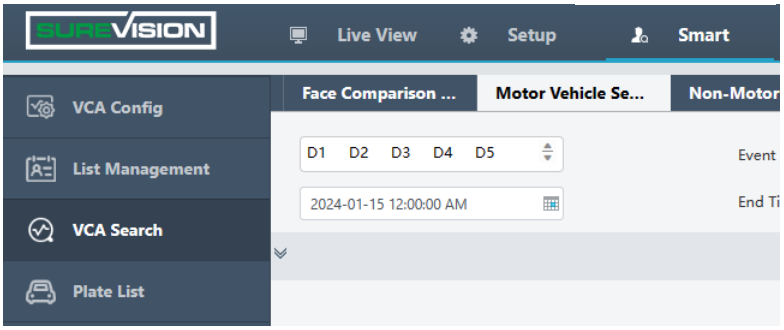


Viewing Footage from the NVR

To view footage from the NVR you can go into the **Smart > VCA Search > Motor Vehicle Search** page.

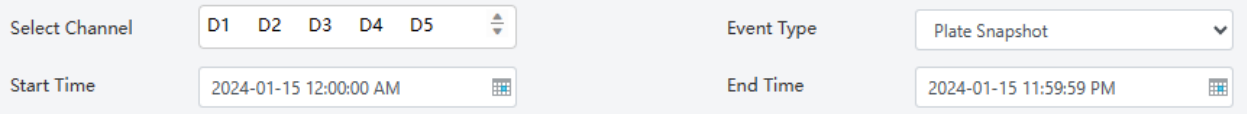
(See Figure 7-1)

Figure 7-1



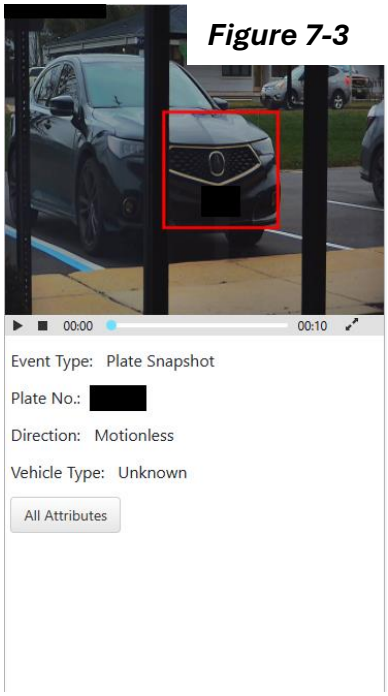
Pick the Channel number that the camera is on from the **Select Channel** option. Set the Event type to Plate Snapshot. Select the Start and End time you want to view and click Search.

Figure 7-2



This will pull up a list snapshots of vehicle plates. It will draw a red line around the plate dtected and it will tell you the Event Type, and Plate Number listed in the picture.

Figure 7-3



To backup the files you will need to go to the NVR directly with a flash drive. Right click on the camera and go to **VCA Search > Object > Motor Vehicle** or **Menu > Search > Object > Motor Vehicle**.

Hit the Search button once you have set the Event Type, Start Time, and End Time Parameters.

Select the cameras from the Search page then select the **Backup Option** at the top of the screen once you have selected the plates that you want to record. This will back them up to your flash drive for later use.