

RTSP Connection Information

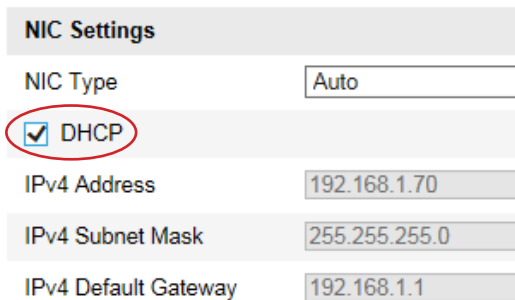
MVC-910x and MVC-900x Series Cameras

Thank you for choosing Safe Fleet! You'll need the information on this card to connect your MVC 910x or MVC-900x series camera to a 16-port Network Switch (part # NS18POE16) or directly to a TH8, NH16, or NH16v2 recorder's rear panel port via RTSP. If you have any questions or need assistance, please contact our Safe Fleet Passenger Transportation support team at ptsupport@safefleet.net.

1 Configure the Camera → DHCP Mode

In order for the system to assign the proper IP address, you must access the camera's Web client and change the camera's default network configuration from static IP to DHCP:

1. Type **192.168.1.70** in the Internet Explorer address bar.
Note: ensure the Active X controls are enabled.
2. Enter the user name **admin** and the password **1234**.
3. Click **Login**. The Web client displays Live View.
4. Click the **Advanced Configuration** tab.
5. Select **Network** from the navigation pane. The TCP/IP tab appears.
6. Under NIC Settings, select **DHCP**:



The screenshot shows the 'NIC Settings' section of a web interface. The 'NIC Type' is set to 'Auto'. The 'DHCP' checkbox is checked and circled in red. Below it, the IPv4 Address is 192.168.1.70, the IPv4 Subnet Mask is 255.255.255.0, and the IPv4 Default Gateway is 192.168.1.1.

7. Click **Save**.

Tip: Changing camera credentials

If you use the Web client to change the camera's default user name or password, you must update those fields in the recorder's Camera Settings → RTSP tab or the connection will fail.

2 Connect the Camera

Attach to an Ethernet port on the device applicable to your installation:

- 16-port network switch (NS18POE16)*
- NH16 or NH16v2 recorder rear port*
- TH8 recorder rear port – requires installation of a POE injector For more information, see the *TH8 & NH16K 48V POE Injector Quick Installation Guide (Part #700-1228)*.

Warning: Do not exceed power output limits

* The network switch and the recorder have maximum power budgets. See the device documentation for details.

3 Configure the Recorder Port

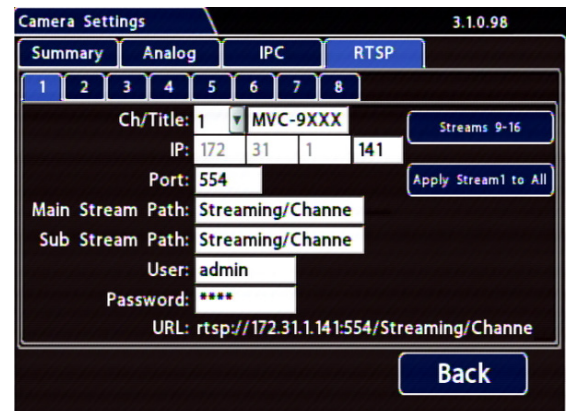
The rear panel port must be set correctly to support either the network switch or a single camera connection.

For details, refer to the recorder documentation applicable to your installation:

- *NH16 or NH16v2 Hybrid NVR Installation and Configuration Guide (NH16 - part #700-1223, NH16v2 - part # 700-1300)* - see "Setting up the Network Switch and Video Sources" in "Setting up the NVR".
- *TH8 Installation and Configuration Guide (part #700-1123)* - see "IP Cameras and RTSP Video Sources" in "Recording Settings".

4 Configure Recorder Camera Settings

1. In the recorder's configuration menus, select **Record** → **Camera** to display Camera Settings.
2. Click the **RTSP** tab:



The screenshot shows the 'Camera Settings' web interface with the 'RTSP' tab selected. The 'Ch/Title' dropdown is set to 'MVC-9XXX'. The IP address is 172.31.1.141, and the port is 554. The main stream path is 'Streaming/Channe' and the sub stream path is 'Streaming/Channe'. The user is 'admin' and the password is '****'. The URL is 'rtsp://172.31.1.141:554/Streaming/Channe'. There are buttons for 'Streams 9-16', 'Apply Stream1 to All', and 'Back'.

3. Use the **Ch/Title** dropdown menu to select a logical channel (defines the display location in live and playback grid views), and optionally enter a name for the stream pair.
4. Enter the following details:
 - **IP** – <refer to "Typical IP Addresses" table on the next page>
 - **Port** – 554
 - **Main Stream Path** – Streaming/Channels/103
 - **Sub Stream Path** – Streaming/Channels/102
 - **User** – admin
 - **Password** – 1234
5. Click **Back** to save RTSP settings.

4 Configure Recorder Camera Settings

(continued)

Note: Local Video Output - Max. Resolution

Camera feeds from the recorder's front-panel VIDEO jack and rear Expansion port are limited to 3-megapixel resolution (set for the primary stream). This limit does not apply to video accessed via the Web browser interface.

Typical IP Addresses

When set to DHCP mode and connected to the network switch or directly to a recorder, the camera's IP address is assigned based on the device and port:

Connected Device	IP Address Range	Port Name		IP Address
16-port Network switch (NS18POE16)	172.31.1.101 through 172.31.1.116	<P01-P16>		Change the last 2 digits based on the port number. For example: the address for the camera connected to switch port #8 is: 172.31.1.108
NH16 & NH16v2 recorders (directly to rear-panel)	172.31.1.141 through 172.31.144	NH16	NH16v2	Both Models
		IPCAM1	POE01	172.31.1.141
		IPCAM 2	POE02G	172.31.1.142
		WIFI	POE03	172.31.1.143
TH8 recorder (directly to rear panel)	172.31.1.141 and 172.31.142	HD Cam Expansion 1		172.31.1.141
		HD Cam Expansion 2		172.31.1.142