TECH BULLETIN

Configuring and Integrating a Third-Party IP Camera with a Clare Controls NVR

Introduction

This bulletin communicates how to successfully configure a third-party IP camera with a Clare Controls NVR.

For a list of all third-party cameras currently supported by ClareVision NVRs please see *Third-Party IP Cameras Supported by ClareVision NVRs Product Bulletin* (Doc ID 363).
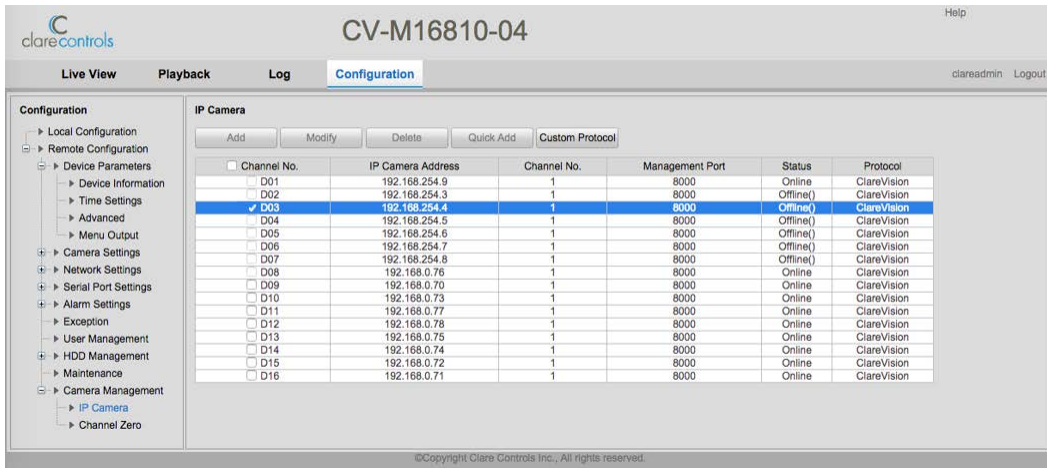
Issue

Third-party IP cameras

A third-party IP camera can only be added to the ClareHome system when it is connected to a Clare Controls NVR.

Solution

Connect the IP camera to a Clare Controls NVR to communicate with the ClareHome system.

To configure the IP camera for the NVR:

1. Log into the NVR.

2. Browse to the IP Camera menu. **Configuration** > **Remote Configuration** > **Camera Management** > **IP Camera**.

CV-M16810-04

Live View   Playback   Log   **Configuration**   clareadmin   Logout

Configuration	IP Camera

Add | Modify | Delete | Quick Add | Custom Protocol

	Channel No.	IP Camera Address	Channel No.	Management Port	Status	Protocol
	D01	192.168.254.9	1	8000	Online	ClareVision
	D02	192.168.254.3	1	8000	Offline()	ClareVision
✔	D03	192.168.254.4	1	8000	Offline()	ClareVision
	D04	192.168.254.5	1	8000	Offline()	ClareVision
	D05	192.168.254.6	1	8000	Offline()	ClareVision
	D06	192.168.254.7	1	8000	Offline()	ClareVision
	D07	192.168.254.8	1	8000	Offline()	ClareVision
	D08	192.168.0.76	1	8000	Online	ClareVision
	D09	192.168.0.70	1	8000	Online	ClareVision
	D10	192.168.0.73	1	8000	Online	ClareVision
	D11	192.168.0.77	1	8000	Online	ClareVision
	D12	192.168.0.78	1	8000	Online	ClareVision
	D13	192.168.0.75	1	8000	Online	ClareVision
	D14	192.168.0.74	1	8000	Online	ClareVision
	D15	192.168.0.72	1	8000	Online	ClareVision
	D16	192.168.0.71	1	8000	Online	ClareVision

Configuration sidebar:
- ▶ Local Configuration
- ⊟ ▶ Remote Configuration
  - ⊟ ▶ Device Parameters
    - ▶ Device Information
    - ▶ Time Settings
    - ▶ Advanced
    - ▶ Menu Output
  - ⊞ ▶ Camera Settings
  - ⊞ ▶ Network Settings
  - ⊞ ▶ Serial Port Settings
  - ⊞ ▶ Alarm Settings
  - ▶ Exception
  - ▶ User Management
  - ⊞ ▶ HDD Management
  - ▶ Maintenance
  - ⊟ ▶ Camera Management
    - ▶ IP Camera
    - ▶ Channel Zero

3. Select the checkbox of the camera or channel in the first **Channel No.** column, and then click **Custom Protocol**.

    The Custom Protocol dialog displays.

4. Configure the Custom Protocol dialog for the camera as suggested below.

    Custom Protocol: The protocol being used by the camera.

    Protocol Name: The name you want to give the protocol you are using.

    Stream Type: Sub Stream

   **Protocol**: Select the protocol type.

    Transfer Protocol: Select the transfer method preferred.

    Port: The port number that the camera is using.

    Stream Path: The path used to view the cameras video stream. This URL is different for each camera.

      Note: Select the **Enable Stream** checkbox.

5. Click **OK**.

6. Navigate to the Video Settings menu. **Configuration** > **Remote Configuration** > **Camera Settings** > **Video Settings**.
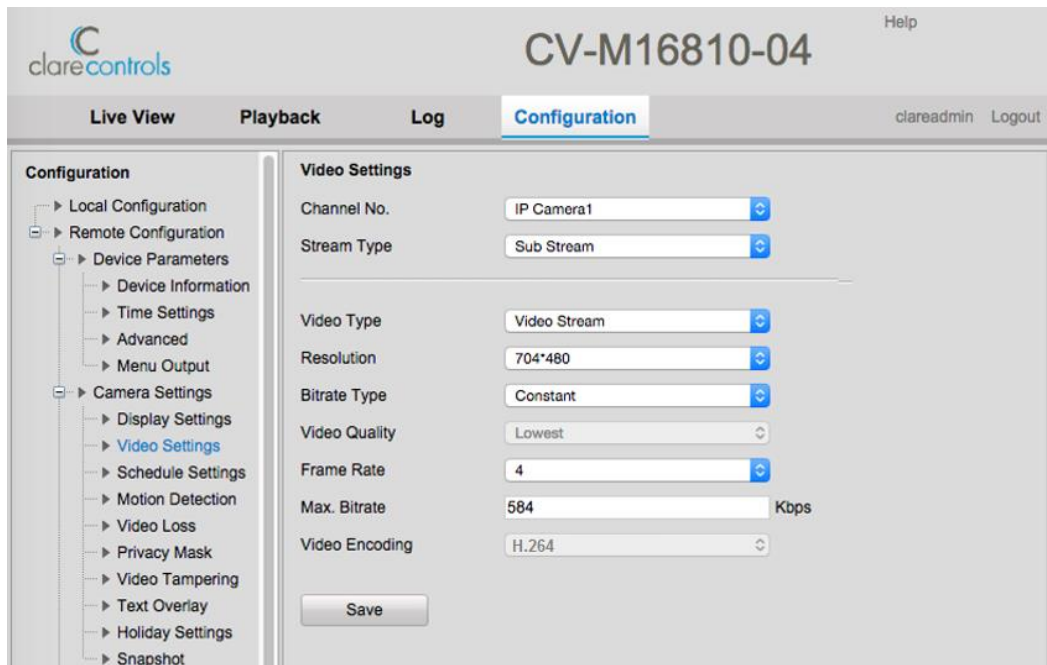
7. Configure the Video Settings field as listed below.

   Channel No.: The channel selected for the IP camera.

   Stream Type: Sub Stream

   Video Type: Video Stream

   Resolution: 704 x 480

   Bitrate Type: Constant

   Video Quality: Lowest (You cannot edit this field.)

   Frame Rate: 4

   Max Bitrate: 584

   Video Encoding: H.264

   > **Note**: You cannot edit this field. You must log into the IP camera to change this setting.

8. Click **Save**.

After adding the IP camera to the Clare Controls NVR, configure the NVR in Fusion.

To add the first NVR channel to Fusion:

1. Click the **Device** tab, and then click the New Device button ⊕.

2. The Select Template dialog displays. Browse to **CCTV** > **DVR/NVR** and select a model. Click **OK**.
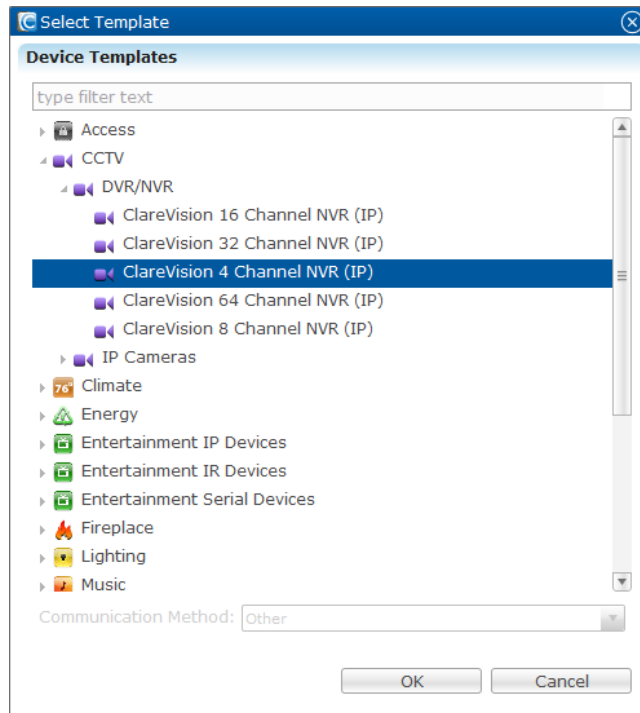

3. In the **Details** tab, enter a name for the camera channel – for example, Front Door Channel 1. You can also enter notes in this tab.
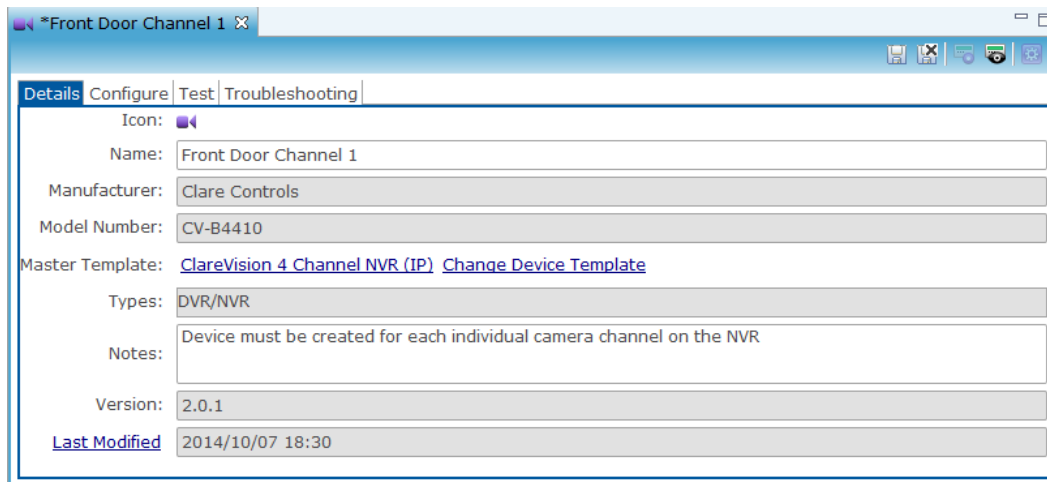
4. Click the **Configure** tab.
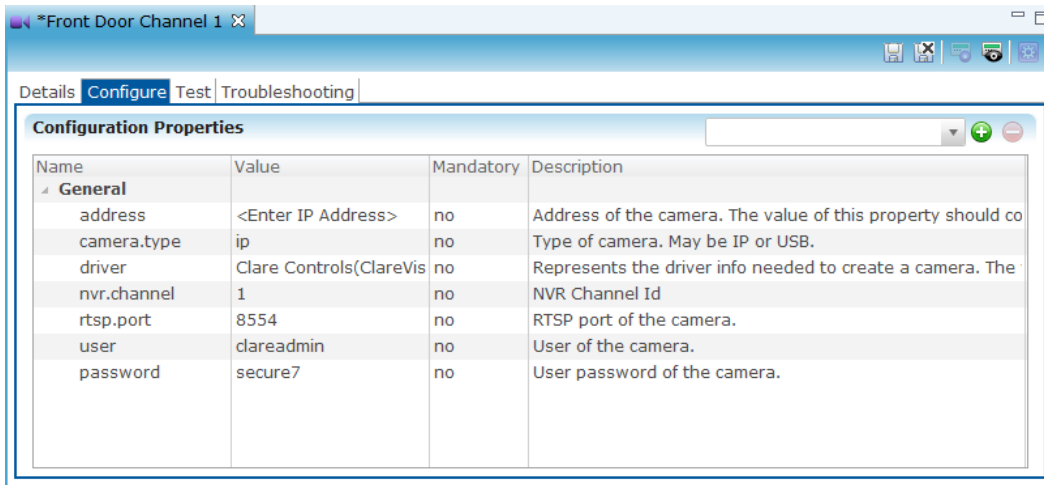
5. Enter the values in the following fields:

    - In the **Address** field, enter the device's network IP address.

    - In the **nvr.channel** field, enter the NVR channel you want to add. For example, the 4 Channel NVR has four channels that can be added. Each one of these channels corresponds with a camera connected to the NVR.

6. Click the Save and Close button .
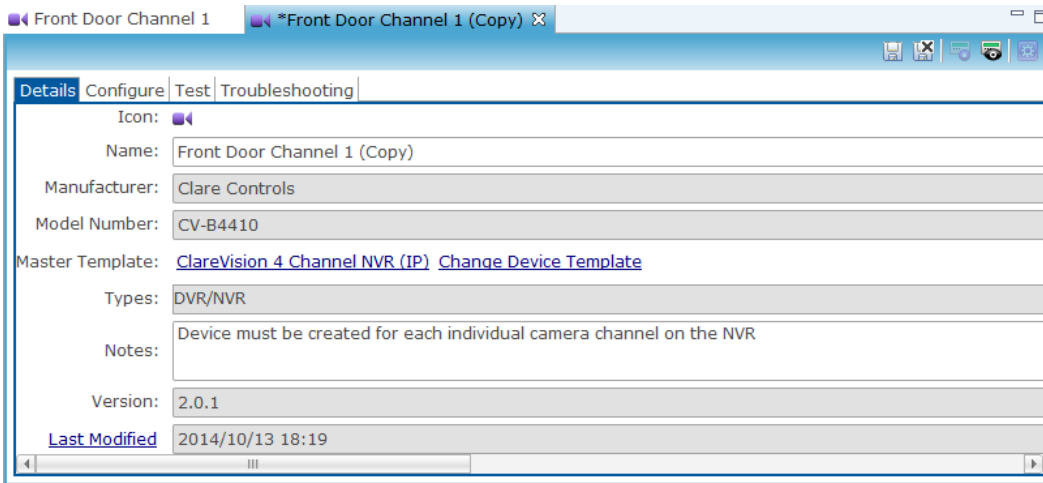
7. When the Create Service dialog displays, click **OK**.
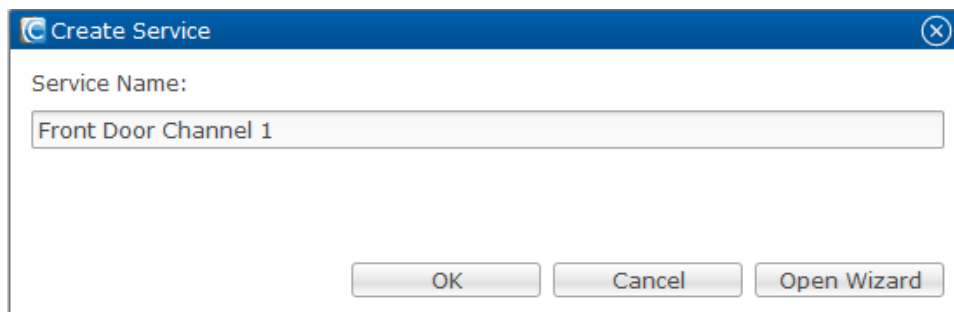
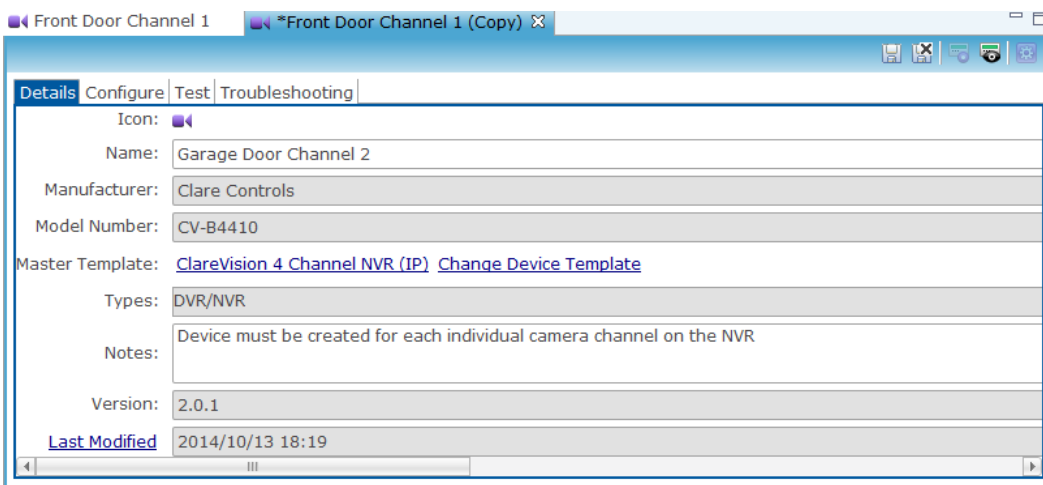After adding the initial channel, configure the remaining channels for the NVR.

Adding additional channels:

1. Return to the **Devices** tab and highlight the NVR channel that was just created.

2. Right click the device, and then click **Clone Device**.
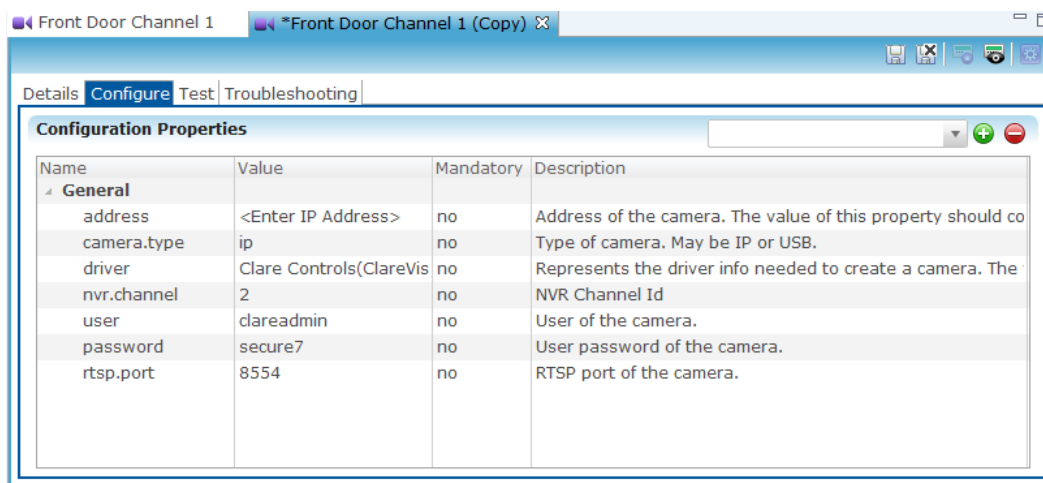
    The copy displays in the **Details** tab.

3. In the **Details** tab, name the next channel – for example, Garage Door Channel 2.
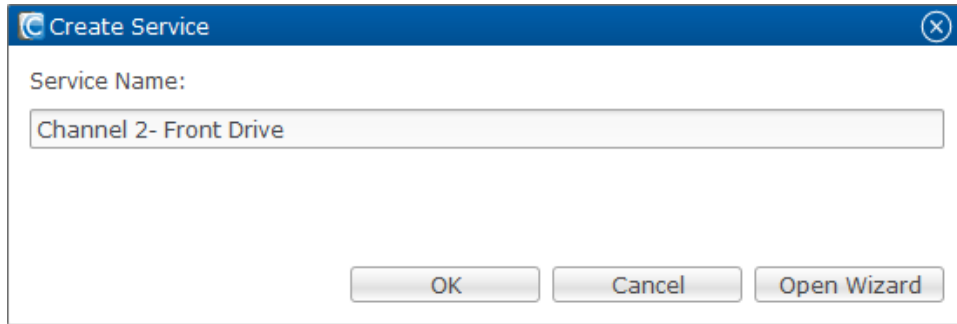

4. Click the **Configure** tab and change the nvr.channel value field to channel 2.

5. Click **Save**.

6. When the Create Service dialog displays click **OK**.

7. Repeat steps 1 through 6 for each additional camera/channel in use.

Contact information

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