

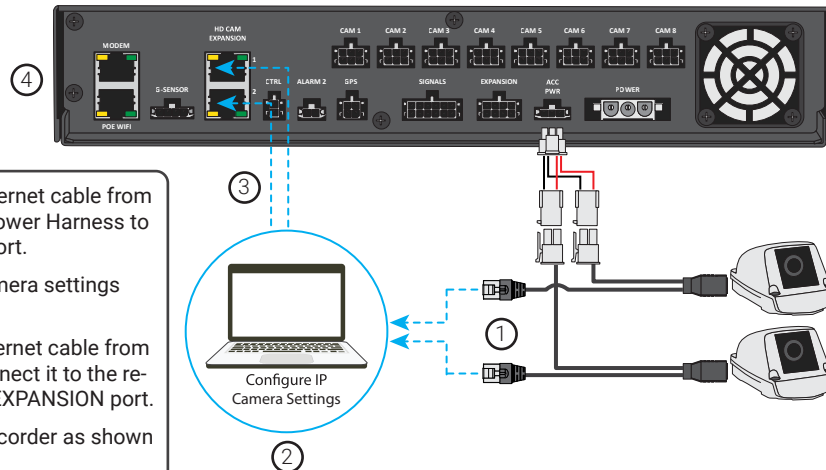
## Setting up the Recorder

To set up the HD Cam Expansion port and configure the recorder for the CHW8:

1. Open the recorder's **Configuration** menu and select **Record**.
2. On the **Recording Settings** tab, select **RTSP** from the **HD Cam Expansion 1** or **HD Cam Expansion 2** dropdown list, depending on the expansion port connected to the camera.
3. Click **Camera** to open settings, select the **RTSP** tab, and enter the following information:
  - a. **Ch/Title** – select a logical channel (defines the display location in live and playback grid views) from the **Ch** dropdown list. Optionally, enter a **Title** (name) for the stream pair.
  - b. **IP** – enter the IP address you assigned to the camera (see "Configuring the CHW8", step 7).
  - c. **Port** – leave this set to the default (554).
  - d. **Main Stream Path** – enter **stream1**
  - e. **Sub Stream Path** – enter **stream2**
  - f. **User** – enter **Admin**
  - g. **Password** – enter **11111111** (eight "1"s)

For more information on recorder configuration, see "Camera Settings" in the recorder's *Installation and Configuration Guide* on the Safe Fleet Community.

## Connecting the Camera for Configuration



1. Connect the Ethernet cable from the POE Injector Power Harness to the laptop's LAN port.
2. Configure IP camera settings (see pages 2 & 3).
3. Remove the Ethernet cable from the laptop and connect it to the recorder's HD CAM EXPANSION port.
4. Configure the recorder as shown above.

## Technical Support

Email: [PTsupport@safefleet.net](mailto:PTsupport@safefleet.net)

Phone: **1.844.899.7366**

## Documentation

Additional copies of this guide, along with other supporting documentation can be found on the SafeFleet Community:

<https://community.safefleet.net>

Please contact Technical Support if you do not have credentials.

# CHW8 Quick Setup Guide for TH8 and NH16K Recorders

## About

This guide covers procedures to set up a CHW8 camera for use with TH8 and NH16K recorders.

### **ⓘ** CHW8 settings and unsupported IP cameras

**Only change the CHW8 camera settings specified in this guide.** If you need to work with camera configuration options other than the network settings and image parameters referenced on page 3 of this document, contact Technical Support for assistance.

**If you are working with an unsupported IP camera,** please contact Technical Support for setup information and instructions.

## Prerequisites

### **⚠** Related installation documents

These procedures are part of a series of instructions covered by other guides. **Do not proceed until you have installed the recorder, and the camera is powered by the 12 V POE Injector Kit.** Follow the instructions in the documentation referenced below.

Before performing the procedures in this document, you must have the following items ready:

- **TH8 or NH16K recorder with firmware version 2.0.0.42 or higher** (installed and functioning in a vehicle). Do not proceed if you have not installed the recorder. Recorder installation documentation is available on the Safe Fleet Community: <https://community.safefleet.net>
- **CHW8 camera** (powered through a Seon 12V POE Injector Power Harness):
  - **The 12 V POE Injector Kit is required** (NVRPOEKIT12 includes the injector and Y harnesses). For instructions, see the *TH8 & NH16 12 V POE Injector Quick Installation Guide (part #700-1219)*.
  - For camera installation instructions – see the CHW8 documentation on the Safe Fleet Community.
- **Windows device running Internet Explorer 11** or later (required to log in and configure the camera), with an RJ45 female LAN port or appropriate adaptor.

### **💡** Camera network plan

We recommend taking time up-front to create a record of each IP camera in the installation and its associated network address. This can save a lot of time and effort, especially when troubleshooting.

**Do not assign IP addresses in the range 172.31.1.#, where # is between 100 and 166 (inclusive).** These addresses are reserved for the Safe Fleet 16-port network switch (NS18POE16).

## Kit Contents

### Camera programming kit (part # IPCAM-PRGRM-KIT)

- CAT5E M-M UTP cable - 15 ft./4.6m (part # 085-0124) - Qty 1
- Female-to-female RJ45 straight coupler (part # 444-1044) - Qty 1

## New versus retrofitted cameras: IP connectivity

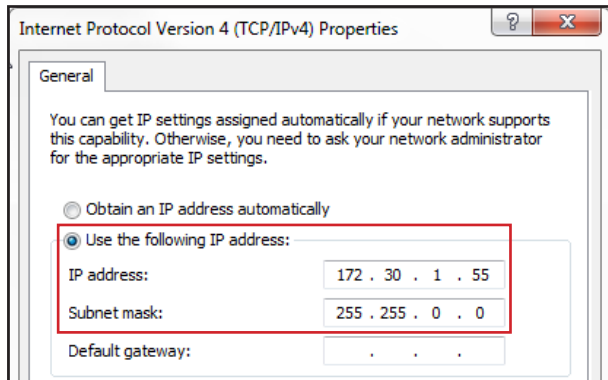
These instructions assume you are working with a camera which has not been configured since it was shipped from Safe Fleet. By default, the CHW8 uses a static IP address of 172.30.1.1.

*If the default network settings have been changed, please contact Technical support for assistance.*

## Configuring the CHW8

To log in to the CHW8 and configure network details and image parameters:

1. Connect the male RJ45 from the **POE Injector Power Harness** (labeled **APPINJ**) to a LAN port on the Windows computer (see "Connecting the Camera for Configuration" on page 4).  
If required, use the supplied female-to-female RJ45 connector and Ethernet patch cable to reach the computer's LAN port.
2. Ensure the camera is powered-up and booted (this process can take a couple of minutes).
3. On the Windows device, open **Control Panel**.
  - a. Open **Network and Sharing Center** (Windows 7) or **Network and Internet** (Windows 10).
  - b. Open **Local Area Network Connection**.
  - c. In the **Local Area Connection Status** dialog that appears, click **Properties**.
  - d. Highlight **Internet Protocol Version 4 (TCP/IPv4)** and click **Properties**.
  - e. In the **Internet Protocol Version 4 (TCP/IPv4) Properties** dialog (**General** tab):
    - i. Select **Use the following IP address**
    - ii. Enter **172.30.1.55** in the **IP address** field
    - iii. Enter **255.255.0.0** in the **Subnet mask** field

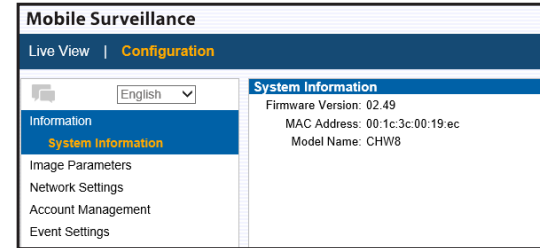


- f. Click **OK** in both properties dialogs to set the local area connection, then **Close** the Local Area Connection Status window.
4. Launch Internet Explorer and browse to **172.30.1.1** (the CHW8 camera's default IP address).  
*If you can't connect, the default IP address may have been changed - please contact Technical support for assistance.*

5. When prompted, enter the following credentials, then click **OK**:

- User name: **Admin**
- Password: **11111111** (eight "1"s)

The CHW8 Configuration page appears:




### Rebooting the Camera

If you experience problems connecting to the camera page, try disconnecting/reconnecting the camera pigtail from the extension (which reboots the camera), then restart your browser session and log in again.

6. Click **Image Parameters** in the navigation pane on the left.

### Stream 1 and Stream 2

Stream 1 settings apply to recorded video, and the defaults do not have to be changed. However, to increase video retention time, select a lower Resolution to reduce the camera's data stream size. Stream 2 settings are used for image tiles in the recorder's Live View.

- a. In the **Codec→Stream2** section (scroll down if necessary):
    - i. Select **320x240** from the **Resolution** drop-down list.
    - ii. Select **H264** from the **Codec** drop-down list.
    - iii. At the bottom-right of the screen, click **Save**, and wait for the camera to reload settings.
7. Click **Network Settings** in the navigation pane on the left.
    - a. In the **Network→IPv4 Address Configure** section:
      - i. Ensure the **DHCP** checkbox is *not* selected.
      - ii. Enter **172.31.1.#** in the **IPv4 Address** field, where # can be any valid entry other than 1. We recommend using 55\*. *Do not assign an IP address in the range 172.31.1.100-166 (inclusive)* - these addresses are reserved for the Safe Fleet network switch.
-  **Make a note of the IP address you assign to the camera**  
You will need it later to set up the recorder.
- iii. Enter **172.31.1.254** as the **Default Gateway**.
  - iv. At the bottom-right of the screen, click **Save**, then close the browser session.
8. Remove the POE Injector Power Harness' male RJ45 connector from the Windows computer's LAN port (or the patch cable/adaptor, if applicable) and plug it into an **HD CAM EXPANSION** port on the recorder (refer to the diagram on the next page).

\* If you are adding a second camera, it can not use the same IP address. We recommend assigning 172.31.1.54 to the second camera.

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