



SyncroIP
Camera Series
QUICK SETUP GUIDE



ATTENTION:

- This guide refers only to the software set-up.
- Broadband Router and Computer are required for local and remote monitoring (not included).

Toll free tech support available after completing product registration. For more information on this product, firmware updates, warranty and accessory products, please visit:

www.flirsecurity.com



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ONVIF COMPATIBILITY AND INCLUDED SOFTWARE

This camera is ONVIF v2.1 compliant. It is designed for interoperability with popular VMS's and NVR's*, with backwards compatibility to ONVIF v.1.02. For more information on ONVIF, visit www.onvif.org

The camera includes the following software options:

- 1 Milestone XProtect Go®:** A client/server solution providing mobile applications and remote access capabilities. Milestone XProtect® Go supports up to 8 IP cameras. Upgrade options are available from Milestone.

For Milestone XProtect® Go documentation and support, visit www.milestonesys.com/Support-and-Upgrades/Technical-Support
- 2 CMS-DH PRO:** A client-only solution with remote viewing capabilities that supports up to 16 IP cameras and analog cameras from Touch Series DVR's side-by-side via the Virtual DVR feature. CMS-DHS PRO does not support all the features of the camera, such as microSD/SD card recording.

See the **CMS-DH PRO manual** on www.flirsecurity.com for instructions.
- 3 Syncro-V:** A client-only solution with remote viewing capabilities that supports up to 36 IP cameras and supports all the features of the camera.

This Quick Start Guide provides the initial setup instructions for accessing your camera using Syncro-V over a LAN and the Internet. For detailed instructions, see the **Syncro-V manual** on www.flirsecurity.com.

* See www.flirsecurity.com for the most updated list of third party VMS compatibility.

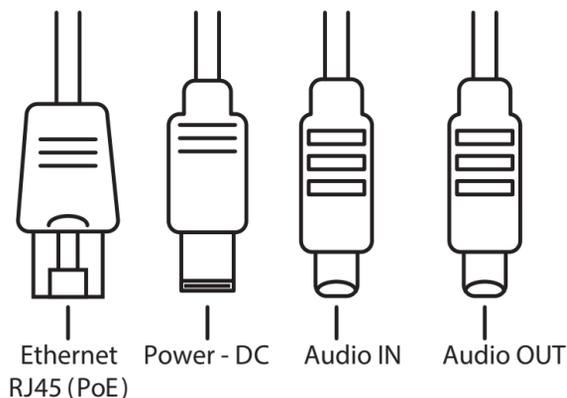
NOTE: Provided software is PC compatible only; Mac OS® access to the cameras is available via Safari® browser only. See the instruction manual for details.



CONNECTION

NOTE: See the instruction manual for your camera for physical installation instructions.

1 The camera has the following termination cables:



1. RJ45 Network Interface: Connect to a router or switch on your network using RJ45 Ethernet cable (Cat5e or better). 100Mhz connection. PoE supported (class 3 PoE switch required).

NOTE: Use the included RJ45 coupler to connect to male end of RJ45 Ethernet cable.



2. Audio Input (RCA): Connect to a self-powered microphone for listen-in audio.

3. Audio Output (RCA): Connect to an amplifier or self-powered speaker for intercom/2-way audio.

4. DC12V (1A): 12V DC power input terminal. Make sure to follow correct polarity (+/-) marked on the power connector. See the instruction manual for your camera for DC power requirements.

BASIC INSTALLATION GUIDE



CONNECTING THE CAMERA OVER THE LAN USING SYNCRO-V

1 Install Syncro-V from the CD or from www.flirsecurity.com. Double-click the Syncro-V icon on the Desktop. The login screen appears.

2 Under **User Name** and **Password**, enter the default Syncro-V user name (**admin**) and password (**admin**). Click **Login**.



3 Syncro-V opens and scans the local network for connected cameras. Detected camera IP addresses on the LAN appear in the Device List. Write down the camera IP address below, you will need it for remote networking setup.



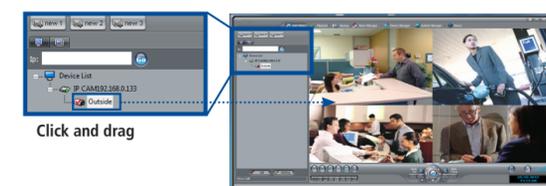
IP ADDRESS: _____

4 Click on a camera IP address in **Device List** to login.

5 Under **User Name**, enter the user name for the camera (default: **admin**). Under **Password**, enter the password for the camera (default: **admin**). Click **Continue**.



6 The camera appears under the camera IP address. Click and drag the camera to the display grid to open it.



Click and drag

LOCAL VIEWING INSTALLATION GUIDE



USING SYNCRO-V

1 Recording & Playback Options: You can record video to the hard disk on the computer Syncro-V is installed on, a NAS device, FTP server, or a microSD/SD memory card installed in the camera. You can also playback video from all the locations listed above.

See the Syncro-V manual on www.flirsecurity.com for details on setting up recording.

2 Digital Zoom: You can zoom in on live video from your cameras.

- To zoom in, click and drag inside the display area.
- To return to default zoom, right-click inside window and click **Restore Panorama**.



3 Camera Setup: You can use Syncro-V to configure settings for your IP cameras, such as the time and date or motion detection.

- To configure settings, click **Device Manager > Video Device Management**. Then, click the camera you would like to configure.



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STEP 4

REMOTE VIEWING INSTALLATION GUIDE



STEP 4

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REMOTE VIEWING INSTALLATION GUIDE



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REMOTE VIEWING INSTALLATION GUIDE



CONNECTING TO THE CAMERA OVER THE INTERNET USING SYNCRO-V

1 Port Forward your Router:

You need to enable port forwarding on your router to the camera's local IP address for the following ports:

- **HTTP Port** (default: **80**)
- **Control Port** (default: **30001**)

An example of a port forwarding screen is shown for illustration purposes.

EXAMPLE

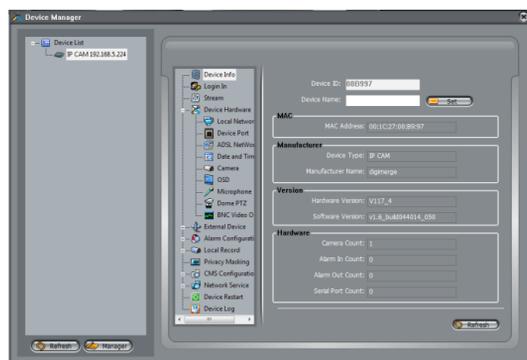
Application	Start	End	Protocol	IP Address	Enable
HTTP	80	to 80	Both	192.168.1.12	<input checked="" type="checkbox"/>
CONTROL	30001	to 30001	Both	192.168.1.12	<input checked="" type="checkbox"/>

NOTE: If you are configuring multiple IP cameras for individual remote access, you must change the ports for each camera. Two cameras cannot use the same port number. For information on changing camera ports, see the instruction manual for your camera.

2 Locate your camera's MAC address:

1. In Syncro-V, click **Device Manager > Video Device Management**.
2. Click the IP address of the camera then click **Device Info**.
3. Write down the **MAC address** below.

MAC ADDRESS: _____



3 Register for FLIR DDNS:

FLIR offers a free DDNS service for use with your IP camera. A DDNS account allows you to set up a website address that points back to your local network.

NOTE: You may use the same DDNS account for multiple IP cameras on the same LAN, but you must change the control port to a different port for each camera and port forward the new port number, see the instruction manual for your camera.

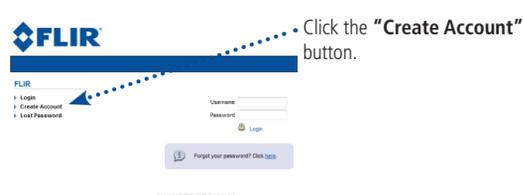
NOTE: Your router must support UPnP to enable DDNS.

4 DDNS (Dynamic Domain Name System) Set-up:

Open your web browser (Internet Explorer by default) and enter <http://ddns.myddns-flir.com> in the address bar.

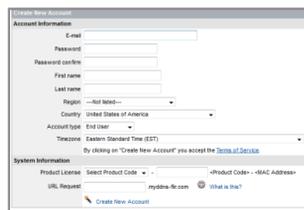


5 Create Account:



6 Complete New Account Information

1. Complete the **Account Information** fields with your personal information.



2. Complete the **System Information** fields.

Product License: Select your product model from the Product License drop down menu. (e.g. DND13TL2)

<Product Code> <MAC Address>: Enter the camera's MAC address you recorded earlier.

URL Request: Choose a URL for your DDNS connection (i.e. your name, your company or business name, or anything of your choice).

3. Once the information has been entered, click **Create New Account**.

4. Your Account information will be sent to you at the email address you used in Step 2.

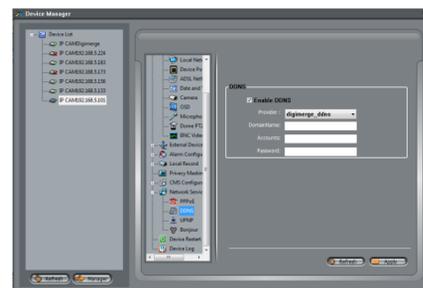
7 Registration Email:

An automated **REGISTRATION CONFIRMATION EMAIL** will be sent to your email. Print and save this confirmation. You will need this information to access your system remotely.

Domain Name: tomsmith.myddns-flir.com
User Name: tomsmith
Password: (your password)

EXAMPLE

8 Enable DDNS on the Camera:



1. In Syncro-V, click **Device Manager > Video Device Management**.

2. Click the camera you would like to configure and click **Network Service > DDNS**.

3. Check **Enable DDNS**.

4. Configure the following:

- **Provider:** Select **FLIRDDNS**.

- **Domain Name:** Enter the **Domain Name** you received from the confirmation email you received after you created your DDNS account (e.g. **tomsmith.myddns-flir.com**).

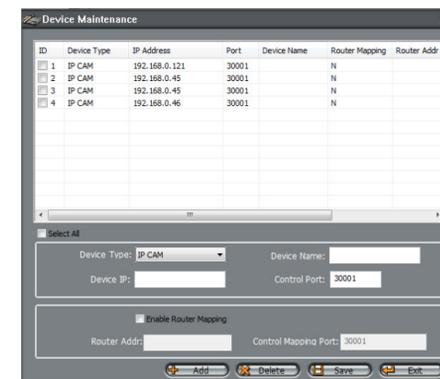
- **User Name:** Enter the **User Name** you received in the confirmation email.

- **Password:** Enter the **Password** you received in the confirmation email.

5. Click **Apply** to save settings.

9 Connect to the DDNS Address of the Camera over the Internet Using Syncro-V:

1. Install Syncro-V on a remote PC.
2. Open Syncro-V and click **Device Manager > Video Device Manager**.
3. Click **Manager**. The Device Maintenance window opens.



4. Under **Device IP**, enter the **Domain Name** from the confirmation email (e.g. **tomsmith.myddns-flir.com**).

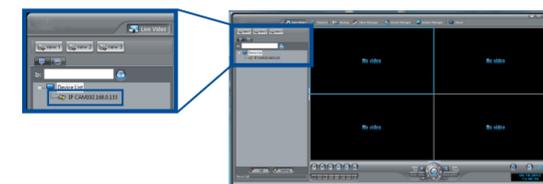
5. Under **Control Port**, enter the camera's control port (default: **30001**).

6. (Optional) Under **Device Name**, enter a name for the camera.

7. Click **Add** to add the camera to the Device List.

8. Click **Save** to save changes. Click **OK**.

9. Close all windows to return to the Live Video screen. The newly added camera will appear in Device List.

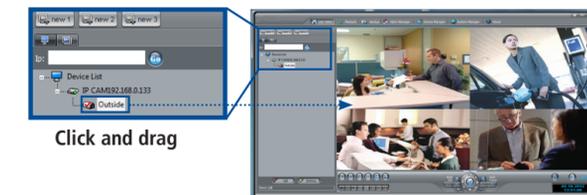


NOTE: A icon is shown for all cameras outside of the LAN. This does not affect your ability to connect to the camera remotely.

10. Click on the camera in Device List to login. Enter the **User Name** (default: **admin**) and **Password** (default: **admin**) and then click **Continue**.



11. Click and drag the camera to a display grid screen to open it.



NOTE: It is recommended to select stream2 when remotely connecting to cameras. Stream2 has a lower resolution that conserves bandwidth.

To select stream2: Click , select **stream2** under **Stream** and click **Apply** then **OK**.