1. Check Contents

Make sure all of the items above are included in the camera kit.

**CLASS 1 LASER PRODUCT**

This camera is a Class 1 Laser Product that complies with IEC 60825-1:2014.

**Caution**

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

**Attention**

L'utilisation des commandes ou réglages ou l'exécution des procedures autres que celles spécifiées dans les presents exigences peuvent etre la cause d'une exposition a un rayonnement dangereux.
2. Prepare to Install the Camera

2.1 Install FLIR Discovery Network Assistant
Download the FLIR Discovery Network Assistant (DNA) tool to a computer on the same VLAN to which you will connect the camera, and then unzip the file. The DNA tool does not require a license to use and is a free download from FLIR.com > Products > Security > Visible Security Cameras > Quasar 4K IR PTZ Cameras.

2.2 Perform a Bench Test (Optional)
You can test the camera or configure it for networking before mounting it. Follow the instructions in 3.4 Connect the Camera and 4.1 Configure for Networking, and then continue with 2.3 Select a Location.

2.3 Select a Location
Select a suitable location to mount the camera.
For advice on positioning and orienting the camera and the optional wash system, see the camera's installation and user guide and the wash system's instructions manual.
Verify that the operating temperature range is between -40° ~ 60° C (-40° ~ 140° F), 0-95% relative humidity (non-condensing).
For the list of mounting accessories available for the camera, see the FLIR Security Cameras - Accessory Guide.

3. Install the Camera

3.1 Fit Mounting Hardware
If required, install the mounting hardware for the camera according to the instructions in the camera's installation and user guide.

3.2 Route Network and Power
Properly install the power and network cabling in the mounting hardware so that it is accessible when the camera is mounted.

**Power:** Universal Power over Ethernet (PoE) 60W 4 pair forced mode or 24 VAC.
**Ethernet:** Cat5e or Cat6 cable. Ethernet is required for streaming video and configuring the camera.

3.3 Mount and Secure the Camera
Mount and secure the camera according to the instructions in the camera's installation and user guide.
If you are installing an optional wash kit, mount and secure it according to the instructions in the camera's installation and user guide, and according to the wash kit's instructions manual.
3.4 Connect the Camera

<table>
<thead>
<tr>
<th>Connector</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 DEFAULT</td>
<td>To reset factory defaults at any time, press the Default button for at least 20 seconds.</td>
</tr>
<tr>
<td>2 LAN</td>
<td>Attach a Cat 5e or Cat 6 cable from the network switch to the RJ45 connector for a 10/100/1000 Mbps Ethernet and PoE connection. If using PoE, use a FLIR CP-POE-4P-60W-xx injector or a switch that supports Universal PoE 60W 4 pair forced mode. For more information about compatible injectors and recommended switches, contact FLIR support. Verify that the LAN connector LEDs are steady green and flashing yellow.</td>
</tr>
<tr>
<td>3 AC24V IN</td>
<td>If using a 24 VAC power supply, connect it to the three-pin power terminal block according to the pin assignment shown.</td>
</tr>
<tr>
<td>4 14-pin terminal block</td>
<td>Attach wires from external devices to the 14-pin terminal block connector for alarm and audio in/out according to the pin assignment shown.</td>
</tr>
</tbody>
</table>

### AC24V IN Connector

<table>
<thead>
<tr>
<th>Pin</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AC 24L</td>
</tr>
<tr>
<td>2</td>
<td>Ground</td>
</tr>
<tr>
<td>3</td>
<td>AC 24N</td>
</tr>
</tbody>
</table>
### 4-Pin Terminal Block

<table>
<thead>
<tr>
<th>Pin</th>
<th>Definition</th>
<th>Pin</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Audio-Out</td>
<td>8</td>
<td>Not used</td>
</tr>
<tr>
<td>2</td>
<td>Ground (Audio I/O)</td>
<td>9</td>
<td>Alarm-In 4</td>
</tr>
<tr>
<td>3</td>
<td>Alarm-Out A1</td>
<td>10</td>
<td>Alarm-In 3</td>
</tr>
<tr>
<td>4</td>
<td>Alarm-Out A2</td>
<td>11</td>
<td>Alarm-In 2</td>
</tr>
<tr>
<td>5</td>
<td>Alarm-Out B1</td>
<td>12</td>
<td>Alarm-In 1</td>
</tr>
<tr>
<td>6</td>
<td>Alarm-Out B2</td>
<td>13</td>
<td>Ground (Alarm I/O)</td>
</tr>
<tr>
<td>7</td>
<td>Not used</td>
<td>14</td>
<td>Audio-In</td>
</tr>
</tbody>
</table>

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**Warning!**

This product contains a battery that is soldered to the PCB. There is a risk of explosion if the battery is replaced by an incorrect type. **Do not replace the battery.** The battery should be disposed of in accordance with the battery manufacturer’s instructions.

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**Caution**

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

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### 4. Configure the Camera

You can configure the camera using the DNA tool, the camera’s web page, or a VMS.

<table>
<thead>
<tr>
<th></th>
<th>DNA tool</th>
<th>Camera’s web page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discover camera IP address</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Configure IP address, mask, and gateway</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Configure DNS settings, MTU, and Ethernet speed</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Change user credentials</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Change video format</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Configure more than one camera at the same time</td>
<td>•</td>
<td></td>
</tr>
</tbody>
</table>

For more information about using a VMS to configure one or more cameras at the same time, see the VMS documentation.

### 4.1 Configure for Networking

By default, DHCP is enabled on the camera and a DHCP server on the network assigns the camera an IP address. For example, if the camera is managed by FLIR’s Horizon or Meridian VMS and the VMS is configured as a DHCP server, the VMS automatically assigns the camera an IP address.
If the camera is managed by FLIR’s Latitude VMS or is on a network with static IP addressing, you can manually specify the camera’s IP address using the DNA tool or the camera's web page. The camera's default IP address is 192.168.0.250.

To configure the camera for networking using the DNA tool:

a. Make sure the camera and the PC are on the same LAN segment.

b. Run the DNA tool (DNA.exe) by double-clicking.

The Discover List appears, showing compatible devices on the VLAN and their current IP addresses.

In the DNA Discover List, verify that the camera's status is **Online**.

If this is the first time you are configuring the camera or if it is the first time after resetting the camera to its factory defaults, DNA automatically authenticates the camera with the default password for the camera's admin user (**admin**).

If the admin user password has been changed, authenticate the camera.

In the DNA Discover List, right-click the camera and select **Login**.

In the **DNA - Login** window, type the password for the admin user. If you do not know the admin user password, contact the person who configured the camera's users and passwords.

Click **Login**, wait for **✓ Ok** status to appear, and then click **Close**.

In the DNA Discover List, verify that the camera’s status is **Authenticated**.

d. Change the camera’s IP address.
Right-click the camera and select IP Setup.

In the DNA - IP Setup window, clear Use DHCP and specify the camera's IP address. You can also specify the Mask (default: 255.255.255.0) and Gateway. Then, click Update, wait for ✓ Ok status to appear, and then click Close.

4.2 Change Video Format (Optional)
By default, NTSC is the camera's video format.

To change the camera's video format to PAL using the DNA tool:

a. In the DNA Discover List, right-click the camera and select Change Video Format.

b. In the Change Video Format window, select PAL.

c. Click Update, wait for ✓ Ok status to appear, and then click Close.

For more information about using the DNA tool to configure one or more cameras, see the DNA User Guide. While the software is open, click the Help icon.

4.3 Configure and Test the Optional Wash Kit
If you have mounted and connected an optional wash kit, configure and test it and the camera's wiper according to the kit's instructions manual and according to the camera's installation and user guide.

Caution Before activating the wiper, make sure the lens windows are wet. Using the wiper when the windows are dry causes irreparable damage to the window coatings and voids the warranty.

4.4 Attach the Camera to a VMS
After you have mounted the camera and discovered or defined its IP address, you can use VMS Discovery/Attach procedures to attach the camera to a VMS.
5. Camera Dimensions
Following are the Quasar CP-6408-31-I camera's dimensions.

6. Register the Product
For warranty information, see https://www.flir.com/support-center/warranty/security/flir-security-product-warranties/.

7. Contact Information

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