FISHEYE CAMERA CONNECTIONS

The Fisheye camera is fitted with a preterminated cable bundle for easy installation.

Cable bundle

![Diagram of cable bundle](image)

Figure 1: Fisheye camera cable bundle

Table 1: Connections

<table>
<thead>
<tr>
<th>No.</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Audio output (RCA)</td>
</tr>
<tr>
<td>2</td>
<td>Audio input (RCA)</td>
</tr>
<tr>
<td>3</td>
<td>Ethernet port (RJ45)</td>
</tr>
<tr>
<td>4</td>
<td>I/O ports</td>
</tr>
<tr>
<td>5</td>
<td>DC 12V Input power</td>
</tr>
</tbody>
</table>

Table 2: I/O port wiring

<table>
<thead>
<tr>
<th>No.</th>
<th>Port</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ALARM_NO</td>
<td>Alarm output port (Normal open) Must be used with ALARM_COM port</td>
</tr>
<tr>
<td>2</td>
<td>ALARM_COM</td>
<td>Alarm output public port</td>
</tr>
<tr>
<td>3</td>
<td>ALARM_IN1</td>
<td>Alarm input port 1</td>
</tr>
<tr>
<td>4</td>
<td>ALARM_IN2</td>
<td>Alarm input port 2</td>
</tr>
<tr>
<td>5</td>
<td>GND</td>
<td>Ground port</td>
</tr>
</tbody>
</table>

SAFETY NOTICES

Warning

Ensure the power supply is switched off during installation.

When installing the camera, fasten it securely to the surface. A falling camera may cause personal injury.

Caution

Only install in suitable environments. For more information, see the User Guide.

Using the incorrect voltage can irreversibly damage the camera. Ensure that the correct voltage is used for the auxiliary power supply.

Handle the camera with care so the main electronics and components are not damaged.

For security reasons, you must change the camera’s default username and password.

Ensure each camera has a unique IP address.

Notices

Read this guide before installing the camera.

REGULATORY

- EN5022 Class A
- EN61000-3-2, EN61000-3-3
- IEC60068-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11
- FCC Part 15, Subpart B Class A
- EN50130
- IEC60088-2-27 (Shock), IEC60068-2-6 (Sine Vibration)
- UL60950-1
1. **Powering up the camera**

The camera is a Power Over Ethernet (PoE) - Class 0 powered device compliant with the IEEE802.3af standard.

The camera can be powered by the following:

- Power over Ethernet (PoE) switch
- PoE Injector/Instaplan
- 12V/DC 1.1A 13W

2. **Configuring the camera**

Before you connect the camera to your network, you must configure the camera's IP address and subnet mask appropriately.

Configure the settings:

1. Connect the camera to a PC via a PoE switch or an Ethernet crossover cable.
2. Navigate to the camera's default IP address using a web browser, and enter the default user name and password.

**Table 3: Default network settings**

<table>
<thead>
<tr>
<th>Default Username</th>
<th>Default Password</th>
<th>Default IP Address</th>
<th>Default Subnet Mask</th>
<th>Default Gateway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admin</td>
<td>1234</td>
<td>10.5.1.10</td>
<td>255.0.0.0</td>
<td>10.0.0.1</td>
</tr>
</tbody>
</table>

3. Enter the NTP server on the Date & Time menu.
4. Enter a new IP address and subnet mask on the Network menu.
5. Select the maximum video frame rate for your country using the TV System option on the Video > Advanced menu.

Choose 25/50fps (PAL) for countries with 50Hz power frequency and 30/60fps (NTSC) for countries with 60Hz power frequency.

3. **Installation**

After you have configured your camera's IP settings, you are ready to install it in its final position.

**BX Fisheye Camera installation**

The BX Fisheye Camera can be installed directly on a wall or ceiling with the Quick installation board bracket.

4. **Operations**

**Micro SD Card Installation**

1. Using a cross-head screwdriver, unscrew the two screws (1) on the SD card cover (2).
2. Remove the silica gel ring (4) from underneath the SD card cover.
3. Insert the Micro SD card (3) into the card slot (5).
4. Replace the silica gel ring.
5. Tighten the two screws on SD card cover.

**Notice**

Do not replace the SD card more than once every 4 hours. Replacing the SD card too often can cause desiccant failure and abnormalities such as water ingress.

**Figure 3 Installation template**

**Figure 4 Ceiling positioning**

**Figure 5 Wall positioning**

2. Following the installation template, drill 3 holes in the installation surface for the rawplugs and one cable exit hole. The cable exit hole must be more than 28mm in diameter.
3. Insert the 3 rawplugs (2) into the 3 holes in the installation surface and lock them firmly.
4. Pull the cable bundle through the cable exit hole.
5. Place the camera quick release plate (3) over the 3 rawplugs lining these up with the holes in the bracket.
6. Insert the 3 ST3 self-tapping screws (4) into the 3 plastic rawplugs and fasten them firmly.
7. Locate the small gap on the Dome body (5) and line this up with the TOP marking on the camera quick release plate.
8. Place the Dome body onto the camera quick release plate and rotate in a clockwise direction to secure it firmly.