**PACKAGE CONTENTS**

- Camera
- Dome

**Additional**
- 1 x Installation template
- 1 x Installation screw kit (3 x installation screws, 3 x raw plugs)
- 1 x Inner hex wrench
- 1 x Waterproof RJ45 connector kit
- 1 x Power cable adaptor

**CONNECTIONS**

The camera is fitted with a preterminated cable bundle for easy installation. The preterminated cable bundle is connected to Power (1) and Network port (2) connections which can be disconnected if a direct connection to the camera is required.

**SAFETY NOTICES**

**Warning**
- Ensure that 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 transport, store and install in suitable environments. For more information, see the User Guide.
- Using the incorrect voltage or using two power supplies at the same time can irreversibly damage the camera. Ensure that the correct voltage is used for the auxiliary power supply.
- The camera has been certified for internal use only. Cable runs for cameras should only be run within a building.
- Incorrect installation may result in water ingress into the camera. Ensure you install the camera correctly to ensure the unit is watertight.
- 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**

- EN 50130-4
- EN 50522 Class A
- EN 61000-3-2, EN 61000-3-3
- EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11
- FCC Part 15, Subpart B Class A
- IEC60068-2-6 (Sine Vibration), IEC60068-2-27 (Shock)
- UL60950

**Table 1: Pin connections**

<table>
<thead>
<tr>
<th>Description</th>
<th>Port (DC 12V or AC24V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Power (DC 12V or AC24V)</td>
</tr>
<tr>
<td>2</td>
<td>Network port (LAN)</td>
</tr>
<tr>
<td>3</td>
<td>Video output</td>
</tr>
<tr>
<td>4</td>
<td>Terminal block:</td>
</tr>
<tr>
<td></td>
<td>Pin: Alarm OUT1</td>
</tr>
<tr>
<td></td>
<td>Pin: Alarm GND</td>
</tr>
<tr>
<td></td>
<td>Pin: Alarm IN1</td>
</tr>
<tr>
<td></td>
<td>Pin: GND</td>
</tr>
<tr>
<td></td>
<td>Pin: Audio IN1</td>
</tr>
<tr>
<td></td>
<td>Pin: Audio OUT1</td>
</tr>
</tbody>
</table>

**Table 2: Bundle connections**

<table>
<thead>
<tr>
<th>No.</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Network port (LAN)</td>
</tr>
<tr>
<td>6</td>
<td>Power (DC 12V or AC24V)</td>
</tr>
</tbody>
</table>
1. Powering up the camera

The camera is a Power over Ethernet (PoE) - Class 0 powered device compliant with the IEEE802.3af standard. If PoE is not available the camera can be powered using the auxiliary power.

The camera can be powered by the following:
- Power over Ethernet (PoE) switch
- PoE injector/midspan (Part Number 130176)
- Camera only: 12V DC (at 0.33A) / 24V AC (at 0.17A) with a maximum power of 4 Watts
- Including the heater: 12V DC (at 1A) / 24V AC (at 0.5A) with a maximum power of 12 Watts

A suitable power supply must be ordered separately.

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 username and password.

<table>
<thead>
<tr>
<th>Table 3: Default network settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field</td>
</tr>
<tr>
<td>Default Username</td>
</tr>
<tr>
<td>Default Password</td>
</tr>
<tr>
<td>Default IP Address</td>
</tr>
<tr>
<td>Default Subnet Mask</td>
</tr>
<tr>
<td>Default Gateway</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 either a PAL or NTSC video standard for the country of installation using the following menu path: Setup > General > Video standard.

3. Installation

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

Mounting the camera

1. Fix the installation template in the correct location with the correct orientation for the surface, for example the ceiling.
2. Remove the 3 camera screws (4) and the camera dome (3).
3. Following the installation template, drill 3 holes in the installation surface for the rawplugs and one cable exit hole.
4. Insert the 3 rawplugs (1) into the 3 holes in the installation surface and lock them firmly.
5. Pull the cables through the cable exit hole.
6. Place the camera over the 3 rawplugs, lining these up with the holes in the camera base.
7. Insert the 3 installation screws (2) into the 3 rawplugs (1) and fasten them firmly.

Positioning the lens

1. Rotate the camera base to angle the camera towards the required area.

**Caution**

- Do not touch the camera dome or lens directly as this may cause damage. Clean with a soft dry cloth or mild cleaning solution.

2. Carefully adjust the lens to ensure the image is the correct orientation.

**Notice**

- Ensure IR LEDs are orientated to provide illumination through the bubble when fitted, otherwise performance may be reduced due to internal reflection of IR.

- 3. Loosen the two locking screws on either side of the lens.
- 4. Til the lens vertically to the required position.
- 5. Tighten the locking screws.
- 6. Place the camera dome (3) back over the device and replace the 3 camera screws (4).

4. Operations

This chapter describes common tasks required for the operation of the HD & 4MP Minidome.

Micro SD Card Installation

1. Remove the 3 camera screws (4) and open the camera dome (3).
2. Insert the Micro SD card into the slot (6).
3. Place the camera dome back over the device and replace the 3 camera screws (4).

Focus the camera

To focus the camera, click Setup > Camera > Conditions > Zoom and Focus on the camera’s Configuration page.

Reset to factory defaults

You can reset the camera settings to factory defaults using the following methods while the camera is powered:
- Press and hold the Reset button (5) on the camera for ten seconds.
- Click Setup > System > Default > Default on the camera’s Configuration pages.