**PACKAGE CONTENTS**

**Camera**
1. Fixed Camera
2. Lens
3. Built-in microphone

**Additional items**
- 1x Quick Start Guide

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**CONNECTIONS**

The camera is connected using connection sockets in the rear panel.

![Figure 2 Rear panel](Image)

**Table 1: Connections**

<table>
<thead>
<tr>
<th>No.</th>
<th>Definition</th>
<th>No.</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Terminal block</td>
<td>6</td>
<td>Status indication</td>
</tr>
<tr>
<td>2</td>
<td>Reset button</td>
<td>7</td>
<td>Auto back focus adjustment</td>
</tr>
<tr>
<td>3</td>
<td>Earth screw</td>
<td>8</td>
<td>Video output, BNC connector</td>
</tr>
<tr>
<td>4</td>
<td>Ethernet port</td>
<td>9</td>
<td>Audio input, 3.5mm jack</td>
</tr>
<tr>
<td>5</td>
<td>Audio output, 3.5mm jack</td>
<td>10</td>
<td>SD card port</td>
</tr>
</tbody>
</table>

**Table 2: Terminal block**

<table>
<thead>
<tr>
<th>Connection</th>
<th>Definition</th>
<th>Connection</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC 24V/DC 12V</td>
<td>Power port</td>
<td>NA</td>
<td>IR light port</td>
</tr>
<tr>
<td>G</td>
<td>Ground end of RS232 serial port</td>
<td>IN1</td>
<td>Alarm input port 1</td>
</tr>
<tr>
<td>TX</td>
<td>Sending end of RS232 serial port</td>
<td>IN2</td>
<td>Alarm input port 2</td>
</tr>
<tr>
<td>RX</td>
<td>Receiving end of RS232 serial port</td>
<td>NO</td>
<td>Normal open alarm output port</td>
</tr>
<tr>
<td>B</td>
<td>RS485_B port</td>
<td>C</td>
<td>Common alarm output port</td>
</tr>
<tr>
<td>A</td>
<td>RS485_A port</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**SAFETY NOTICES**

**Warning**
- Ensure that the camera is disconnected from the network, or that PoE power is shut off, during installation.
- When Installing the camera, fasten it securely to the surface. A falling camera may cause personal injury.
- Do not dismantle the device or attempt repair yourself. Repairs must be done by IndigoVision representatives.
- Ensure that the power supply conforms to the SELV (Safety Extra Low Voltage) safe level.

**Caution**
- Only transport, store and install in suitable environments.
- For security reasons, you must change the camera's default username and password. Ensure each camera has a unique IP address.
- Using the incorrect voltage or power supplies at the same time can damage the camera. Ensure that the correct voltage is used.
- Do not aim at strong light, such as sunlight or electric lighting.
- Ensure that you install the network cable in a location where it will not be trampled or crushed.
- Cameras powered by PoE have been evaluated as network environment 'C' (basic insulation) and are not intended for routing outside a common building. Cable runs for cameras should only be run within a common building.

**REGULATORY**

- EN 55032 Class A
- EN 55024
- EN 61000-3-2
- EN 61000-3-3
- FCC Part 15 Subpart B Class A
- EN 50130-4
- IEC 61000-4-2
- IEC 61000-4-3
- IEC 61000-4-4
- IEC 61000-4-5
- IEC 61010-1
- IEC 61010-2-0
- IEC 61010-2-1
- IEC 61010-2-2
- UL 60950

**Environment**

- Temperature: -10°C to +60°C (14°F to 140°F)
- Storage: 0°C to +50°C (32°F to 122°F)
- Humidity: 95%
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
- Auxiliary power supply
- 12V DC with a maximum power of 8 Watts
- 24V AC with a maximum power of 6 Watts

A suitable power supply must be ordered separately (Part numbers 130176, 110068).

The camera should only be powered from the specified voltage.

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 using an Ethernet cable.

   Ensure that each camera has a unique IP address.

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 and port on the Setup > System > General > Date & Time menu.

4. Enter a new IP address and subnet mask on the Setup > Network > TCP/IP menu.

5. Select the video standard for your region using the Video Standard option on the Setup > System > General menu. Choose PAL for countries with 50Hz power frequency and NTSC for countries with 60Hz power frequency.

6. Binary I/O connections

   The Fixed Camera has two binary input and one binary output. These are connected using the Alarm I/O connections on the camera, listed in Table 2.

<table>
<thead>
<tr>
<th>Binary input</th>
<th>Binary output</th>
</tr>
</thead>
<tbody>
<tr>
<td>The binary input is operated by connecting the input directly to GND.</td>
<td></td>
</tr>
<tr>
<td>The binary output is a solid state open collector output:</td>
<td></td>
</tr>
<tr>
<td>- Max load voltage: 5V AC/DC</td>
<td></td>
</tr>
<tr>
<td>- Max current carrying capacity: 30mA</td>
<td></td>
</tr>
<tr>
<td>The binary input is not polarity sensitive and is normally open. This can be configured on the Web Configuration pages.</td>
<td></td>
</tr>
</tbody>
</table>

   Notice

   Ensure the wall or ceiling the camera is mounted on is strong enough to support the camera.

3. INSTALLATION

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

Lens installation

![Figure 3 Attaching the lens]

To install the lens, remove the CCD protection cover from the camera.

1. Attach the lens to the camera, as shown in Figure 3.

2. Insert the lens cable plug into the auto aperture lens connector (1) on the camera side panel.

3. Adjust the focal length to improve the image.

4. Select the appropriate white balance setting for your lens selection in the firmware under Setup > Camera > Conditions > White balance.
   - Auto 1: Standard Lens (default)
   - Auto 2: Telephoto Lens

Camera installation

The HD & 4MP Fixed Camera can be installed on a wall or ceiling using a suitable stand, or in a suitable housing.

Notice

Ensure the wall or ceiling the camera is mounted on is strong enough to support the camera.

Table 4: Status indication lights

<table>
<thead>
<tr>
<th>Indication light</th>
<th>Light color</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>Steady red light: system is booting up</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Flashing red light: system upgrades</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Green light on; red light on: system is resetting</td>
<td></td>
</tr>
<tr>
<td>Green</td>
<td>Steady green light: normal working status</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Flashing green light: camera is recording</td>
<td></td>
</tr>
<tr>
<td>Yellow</td>
<td>Not supported</td>
<td></td>
</tr>
</tbody>
</table>

4. OPERATIONS

Configuring the camera

You can access the camera configuration pages using the IP address of the camera.

Alternatively, you can access these pages through IndigoVision Control Center.

1. In Setup view, select the camera you want to configure.
2. Select the Configure tab, and enter a valid user name and password if required.

SD card installation

![Figure 4 SD card installation]

To install an SD card, insert the SD card (1) into the SD card slot (2) as shown in Figure 4.

Reset to factory defaults

You can reset the camera settings to factory defaults using the following methods:

- On the rear panel of the camera, press and hold the RESET button on the camera for ten seconds.
- Click Setup > Default > Default on the camera’s Configuration page.

Status indication lights

Table 4: Status indication lights

<table>
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<td></td>
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</tr>
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<td></td>
</tr>
<tr>
<td>Green</td>
<td>Steady green light: normal working status</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Flashing green light: camera is recording</td>
<td></td>
</tr>
<tr>
<td>Yellow</td>
<td>Not supported</td>
<td></td>
</tr>
</tbody>
</table>