**INDIGOVISION**

**4K Fixed Camera BX RANGE QUICK START GUIDE**

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**PACKAGE CONTENTS**

- 4K Fixed Camera
- Lens
- 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 1 4K Fixed Camera](Image 1)

**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 lights</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>

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**SAFETY NOTICES**

**Warning**

- Ensure that the camera is disconnected from the network, or that PoE power is disabled, 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 repairs yourself. Repairs must be done by IndigoVision representatives.

**Caution**

- Ensure that the power supply conforms to the SELV (Safety Extra Low Voltage) safe level.

**Environments**

- Temperature:
  - Operating (PoE+ or higher): -40°C to +60°C (-40°F to 140°F)
  - Cold start (PoE+ or higher): -20°C (-4°F)
  - Operating (PoE): -10°C to +60°C (14°F to 140°F)
  - Cold start (PoE): -10°C (14°F)
  - Storage: 0°C to +50°C (32°F to 122°F)
- Maximum humidity: 95%

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**REGULATORY**

- IEC61000-4-6
- EN 55022
- EN 61000-3-2
- EN 61000-3-3
- FCC Part 15 Subpart B Class A
- EN 50130-4
- IEC61000-4-2
- IEC61000-4-3
- IEC61000-4-4
- IEC61000-4-5
- IEC61000-4-8
- IEC61000-4-11
- EN60068-2-27
- EN60068-2-6
- EN60068-2-64
- EN60068-2-81
- EN60068-2-2
- EN60068-2-30
- UL60950

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**CONTACT ADDRESS**

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**FURTHER INFORMATION**

For further information, see the Partner Portal:
https://partners.indigovision.com

Alternatively, scan the QR code below.
1. **POWERING UP THE CAMERA**

The camera is a Power Over Ethernet (PoE) powered device compliant with the IEEE 802.3af 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 6.5 Watts
  - 24V AC with a maximum power of 6 Watts

The camera should only be powered from the specified voltage.

A suitable power supply can be ordered separately (Part numbers: High PoE Injector 130176, auxiliary power supply 110068).

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 1:** 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.

**Binary I/O connections**

The 4K 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.

**Binary input**

The binary input is operated by connecting the input directly to GND.

- 10kΩ Pull up input to 3.3V for non-powered contacts
- Normally high

The input must be configured on the Web Configuration pages to ensure correct behavior.

**Connect the input to GND using a switch to trigger the input.**

**Binary output**

The binary output is a solid state open collector output:

- Max load voltage: 5V AC/DC
- Max current carrying capacity: 30mA

The binary output is not polarity sensitive and is normally open. This can be configured on the Web Configuration pages.

3. **INSTALLATION**

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

**Lens installation**

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.

   Use the Auto Back Focus (ABF) button on the rear for fine focus adjustments. ABF is also accessible using the Configuration pages under Settings > Conditions > Zoom & Focus > Auto focus.

**Camera installation**

The 4K 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.

4. **OPERATIONS**

This chapter describes common tasks required for the operation of the 4K Fixed Camera.

**SD card installation**

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

**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.

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

Figure 3 Attaching the lens

Figure 4 SD card installation