**INDIGOVISION**
**BX430 VR MICRODOME CAMERA**
**BX RANGE**
**VANDAL RESISTANT VARIANT**
**QUICK START GUIDE**

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**PACKAGE CONTENTS**

- Camera
- Dome

**Additional items**
- 1 x Installation template
- 1 x Torx wrench
- 1 x Waterproof RAIES connector kit
- 1 x Screw Kit
- 1 x Quick Start Guide

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**CONNECTIONS**

**Table 1: Camera connections**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Network port (LAN)</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.
- Do not dismantle the device or attempt repairs 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.
- Handle the camera with care so its components are not damaged.
- For security reasons, you must change the camera’s default credentials.
- Ensure each camera has a unique IP address.
- Incorrect installation may result in water ingress into the camera. Install the camera correctly to ensure the unit is watertight.
- Do not aim at strong light, such as sunlight or electric lighting.
- Install the network cable in a location where it will not be trapped or crushed.

Cables powered by PoE have been evaluated as network environment "0" (basic insulation) and are not intended for routing outside a common building. Cable runs for cameras should only be run within a common building.

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**REGULATORY**

- EN 50155
- EN 55022
- EN 55024
- EN 55032 Class A
- 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
- RoHS directive 2002/95/EC

- IEC61000-4-6
- IEC61000-4-8
- IEC61000-4-11
- EN60068-2-27:2009
- EN60068-2-6:2008
- EN60068-2-64:2008
- EN60068-2-1:2007
- EN60068-2-2:2007
- EN60068-2-30:2007
- EN 60529
- EN 62262
- UL60695-1

**Environment**

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

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**FURTHER INFORMATION**

For further information, see the User Guide:
You can download a copy from:
www.indigovision.com/400guide
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. The camera can be powered by the following:

- Power over Ethernet (PoE) switch
- PoE injector/instaplan

A suitable power supply can be ordered separately (Part numbers: PoE injector 130176).

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 encoder to a PC using an Ethernet cable.
   - Ensure that each camera has a unique IP address.

2. Navigate to the encoder’s default IP address using a web browser, and enter the default user name and password.

   **Table 2: 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.

3. **INSTALLATION**

This section details how to install the BX430 VR Microdome on a solid surface, such as a wall or ceiling.

**Notice** Before installing the camera in its final position, you must first configure its IP settings. For more information, see "Configure the settings".

**Mounting the camera**

1. Fix the installation template (1) in the correct location with the correct orientation for the surface, for example the ceiling.
2. Remove the 2 camera screws (5) and camera dome (4).
3. Following the installation template, drill 4 holes in the installation surface for the rawplugs and one cable exit hole.
4. Insert the 4 rawplugs (2) into the 4 holes in the installation surface and lock them firmly.
5. Pull the cables through the cable exit hole.
6. Place the camera over the 4 rawplugs, lining these up with the holes in the camera base.
7. Insert the 4 installation screws (3) into the 4 rawplugs (2) 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.
3. Loosen the two locking screws on either side of the lens.
4. Tilt the lens vertically to the required position.
5. Tighten the locking screws.

**Removing the Break-off stencil**

To allow the cable tail to exit for flush mounting directly onto a wall or ceiling, remove the Break-off stencil from the camera dome.

1. Hold the camera dome in a secure location, for example a vice.
2. Using pliers, grip the Break-off section and bend it towards the center of the dome until it breaks off.

   **Caution** Be aware of any sharp edges on the broken stencil. Sharp edges may cause damage to the cable.

3. If there are any sharp edges, use a small hand file to remove them from the broken stencil.
4. Place the camera dome (4) back over the device and replace the 2 camera screws (5).

4. **OPERATIONS**

This chapter describes common tasks required for the operation of the BX430 VR Microdome.

**Micro SD Card Installation**

1. Ensure the device is switched off.
2. Remove the 2 camera screws (5) and open the camera dome (4).
3. Insert the Micro SD card into the slot (7).
4. Place the camera dome back over the device and replace the 2 camera screws (5).

**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 while the camera is powered:

- Press and hold the Reset button (6) on the camera for ten seconds.
- Click **Setup > System > Default > Full Restore** on the camera's Configuration pages.