### Package Contents

- Camera
- Dome

### Additional
- **1 x** Protective gloves
- **1 x 1.5"** straight thread adapter
- **1 x** Wall mount bracket
- Waterproof RJ45 connector kit
- Thread tape
- Torx wrench

### Connections

#### Camera Connections

<table>
<thead>
<tr>
<th>Pin</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Power</td>
<td>AC24V Red</td>
</tr>
<tr>
<td>AC24V</td>
<td>Black</td>
</tr>
<tr>
<td>EARTH</td>
<td>Yellow/Green</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pin</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 RJ45F</td>
<td>Network port</td>
</tr>
<tr>
<td>3 Audio OUT</td>
<td>Red</td>
</tr>
<tr>
<td>IN</td>
<td>White</td>
</tr>
<tr>
<td>GND</td>
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<table>
<thead>
<tr>
<th>Pin</th>
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</tr>
</thead>
<tbody>
<tr>
<td>4 Alarm OUT1</td>
<td>Blue</td>
</tr>
<tr>
<td>COM1</td>
<td>Green</td>
</tr>
<tr>
<td>GND</td>
<td>Yellow/Green</td>
</tr>
<tr>
<td>IN1</td>
<td>Red</td>
</tr>
<tr>
<td>IN2</td>
<td>Brown</td>
</tr>
</tbody>
</table>

### Safety Notices

**Warning**
- Ensure that the camera is disconnected from the network, or that PoE power is disabled, during installation. Ensure that the power supply conforms to the SELV (Safety Extra Low Voltage) safe level.
- 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 Limited representatives.

**Caution**
- Only transport, store and install in suitable environments. Cameras powered by PoE have been evaluated as network environment “0” (basic insulation). Cable runs for cameras should only be run within a common building.
- Using the incorrect voltage or two power supplies at the same time can damage the camera. Ensure that the correct voltage is used.
- Ensure that you install the network cable in a location where it will not be trampled or crushed. Do not aim the camera at strong light, such as sunlight or electric lighting.
- Incorrect installation may result in water ingress into the camera. Ensure that 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 that each camera has a unique IP address.

### Notices

Read this guide before installing the camera.

### Regulatory

- EN 61000-6-2 : 2009
- IEC 61000-4-2
- IEC 61000-4-3
- IEC 61000-4-4
- IEC 61000-4-5
- IEC 61000-4-6
- IEC 61000-4-8
- IEC 61000-4-11
- IEC 62236-4 (HD variant only)
- RoHS directive 2002/95/EC

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**Figure 1** BX HD/4MP PTZ Dome Pendant Variant

**Figure 2** Cable connections
1. POWERING UP THE CAMERA

The feeding tape and lens cap must be removed prior to powering up the camera.

The camera is a Power Over Ethernet Plus (PoE+) powered device compliant with the IEEE802.3at 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
- 24V AC with a maximum power of 23 Watts

The camera should only be powered from the specified voltage.
A suitable power supply can be ordered separately (Part number: High 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 camera to a PC using an Ethernet cable.
2. Navigate to the camera’s default IP address using a web browser, and enter the default user name and password.

<table>
<thead>
<tr>
<th>Table 2: Default network settings</th>
</tr>
</thead>
<tbody>
<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 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. INSTALLING THE CAMERA

For camera dimensions, refer to the Hardware Guide.

Mounting the Camera
1. Connect the Adapter block (3) to the Wall mount bracket (1) and fix the set screw (4).
2. Drill 8 holes in the wall using the installation holes at the bottom of the Wall mount bracket as a guide.
3. Pull the cable bundle through the Adapter block and pull it out of the other end of the Wall mount bracket.
4. Align the cable exit hole in the Wall mount bracket with the cable exit hole in the wall.
5. Insert raw plugs (not provided) into the holes in the wall.
6. Connect the cable bundle to the Camera (5) and pull it through the hole in the wall.
7. Secure the bracket onto the wall by inserting the 4 hex screws into the rawl plugs.

Binary I/O connections
The BX HD/4MP PTZ Dome Pendant Variant has one binary input and one binary output. These are connected using the Alarm I/O connections on the camera.

Binary Input
The binary input is operated by connecting the input directly to GND.
- 10kΩ Pull-up input to 3.3V
- Normally high
The input must be configured on the Web Configuration pages to ensure correct behavior.

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.

4. OPERATIONS

This chapter describes common tasks required for the operation of the BX HD/4MP PTZ Dome Pendant Variant.

Micro SD Card Installation

1. Remove the 3 camera screws (6) and open the camera dome (7).
2. Unscrew and remove the privacy shroud.
3. Insert the Micro SD card into the slot (8).
4. Replace the privacy shroud.
5. Place the camera dome (7) back over the device and tighten the 3 camera screws (6).

Reset to factory defaults
You can reset the camera settings to factory defaults using the Reset button:
1. Click Setup > System > Default > Full Restore on the camera’s Configuration pages.