

INDIGOVISION

4MP PTZ DOME

BX RANGE

IN-CEILING VARIANT

QUICK START GUIDE



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PACKAGE CONTENTS

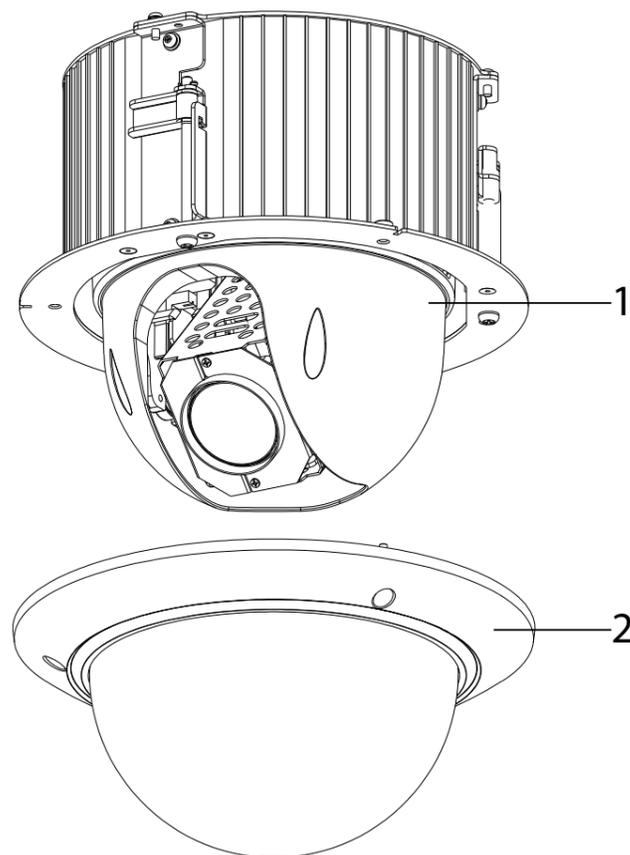


Figure 1 BX 4MP PTZ Dome In-ceiling Variant

Camera

1. Camera
2. Dome

Additional

- Protective gloves
- Installation Template

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 irrevocably 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.

CONNECTIONS

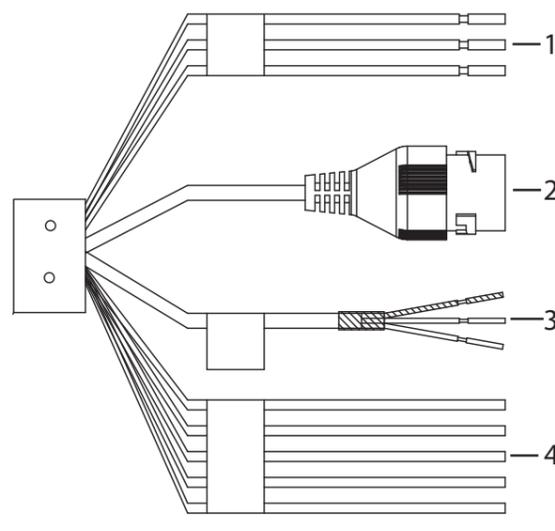


Figure 2 Cable connections

Table 1: Pin connections

	Name	Description
1	Power	AC24V Red
		AC24V Black
		EARTH Yellow/Green
2	RJ45F	Network port
3	Audio	OUT Red
		IN White
		GND Black
4	Alarm	OUT1 Blue
		COM1 Green
		GND Yellow/Green
		IN1 Red
	IN2	Brown

REGULATORY

- EN 55022 Class A
- EN 61000-3-2, EN 61000-3-3
- FCC Part 15, Subpart B Class A
- EN 50130-4
- UL60950-1
- UL 60950-22
- AS/NZS CISPR 22, AS/NZS CISPR 24
- 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



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1. POWERING UP THE CAMERA

The camera is a Power Over Ethernet Plus (PoE+) - Class 4 powered device compliant with the IEEE802.3at standard. It can be powered using a POE+ Injector. A 75W POE+ Injector can be purchased from IndigoVision Limited (Part Number 130176).

If PoE+ is not available, the camera can be powered using the auxiliary power.

The camera can be powered by the following:

- PoE+ switch
- PoE+ injector/midspan (Part Number 130176)
- Auxillary power supply
 - 24V AC (at 0.55A) with a maximum power of 13 Watts

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

- Connect the camera to a PC via a PoE switch or an Ethernet crossover cable.
- Navigate to the camera's default IP address using a web browser, and enter the default user name and password.

Table 2: Default network settings

Default Username	Admin
Default Password	1234
Default IP Address	10.5.1.10
Default Subnet Mask	255.0.0.0
Default Gateway	10.0.0.1

- Enter the NTP server and port on the **Setup > System > General > Date&Time** menu.
- Enter a new IP address and subnet mask on the **Setup > Network > TCIP/IP** menu.
- 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

- Place the Installation Template on the installation surface.
- Using the Installation Template as a guide, drill a hole in the installation surface.
- Connect the cable bundle to the Camera (3) and pull the cable through the installation hole.
- Insert the In-ceiling bracket (1) and the BX 4MP PTZ Dome In-ceiling Variant into the installation hole.
- Secure the hex screw and fasten the mount plate.
- Place the Camera dome cover (4) over the In-ceiling mount components and secure it in place with 3 screws (3).

4. OPERATIONS

This chapter describes common tasks required for the operation of the BX 4MP PTZ Dome In-ceiling Variant.

Micro SD Card Installation

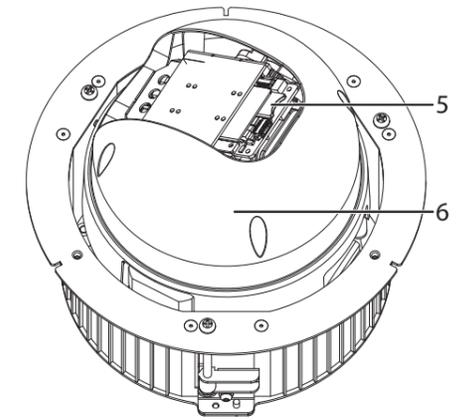
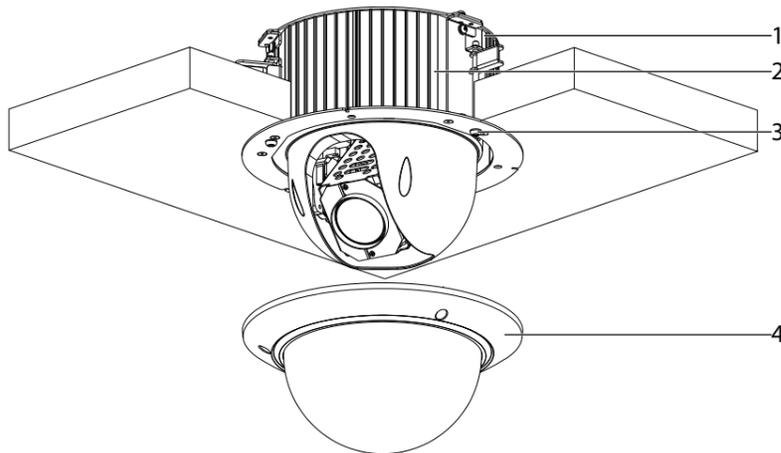


Figure 3 Micro SD card slot

- Remove the 3 camera screws (4) and open the camera dome (3).
- Unscrew and remove the privacy shroud.
- Insert the Micro SD card into the slot (5).
- Replace the privacy shroud.
- Place the camera dome back over the device and replace the 3 camera screws (4).



Binary I/O connections

The BX 4MP PTZ Dome In-ceiling Variant has two binary input and one binary output. These are connected using the Alarm IO 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.

Reset to factory defaults

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

- Remove the 3 camera screws (4) and open the camera dome (3).
- Unscrew and remove the privacy shroud.
- Press and hold the Reset button (6) on the camera for ten seconds.
- Replace the privacy shroud.
- Place the camera dome back over the device and replace the 3 camera screws (4).
- Click **Diagnostics > Maintenance > Full Restore** on the camera's Configuration pages.