**Package contents**

- HD Ultra X Bullet Camera

**Additional items**

- 1 x Torx wrench
- 1 x Waterproof RJ45 connector kit
- 1 x Power adapter cable
- 1 x BNC adapter cable
- 1 x Installation template
- 1 x Screw kit (4 x screws, 4 x rawl plugs)
- 1 x Quick Start Guide
- 1 x Sunshield Screw
- 1 x Sunshield Spacer
- 1 x Sunshield

**Connections**

The camera is fitted with a preterminated cable bundle for easy installation.

**Table 1: Connections**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Power In</td>
</tr>
<tr>
<td>2</td>
<td>Ethernet Port</td>
</tr>
<tr>
<td>3</td>
<td>Audio In (RCA)</td>
</tr>
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<td>4</td>
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<tr>
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**Table 2: I/O connection wiring**

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<tr>
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<td>Alarm Input 1</td>
<td>Yellow+Dot/Stripe</td>
</tr>
<tr>
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**Safety notices**

**Warning**

- Ensure the power supply is switched off, or that PoE power is disabled, during installation.

**Caution**

- Handle the camera with care, supporting the body. Ensure that the internal electronics and components are not damaged. Do not hold the camera by the cable bundle. Only transport, store and install in suitable environments.

**Connections**

- For security reasons, you must change the camera’s default password. Ensure each camera has a unique IP address.
- Using the incorrect voltage or two power supplies of the same type can damage the camera.
- Do not aim the camera at strong light such as sunlight or electric lighting.
- Ensure that you install the relevant cable in a location where it will not be tampered with or crushed.

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1. POWERING UP THE CAMERA

The camera can be powered by either an auxiliary power supply or PoE and is compliant with the IEEE 802.3af standard.

The following may be used:
- Power over Ethernet (PoE) switch
- PoE injector/Instaplan
- Auxiliary power supply
- 12V DC – Camera has a maximum power usage of 9.5W (0.79A)

The camera should only be powered from the specified voltage.

A suitable power supply can be ordered separately (Part numbers: High PoE Injector 75W 130116, auxiliary 12V DC power supply 110068).

2. CONFIGURING THE CAMERA

Configure the settings

- By default, the camera uses a DHCP server.
- For more information, refer to the Web Configuration Guide for this camera.

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 set a secure password.
3. If the default password is required, enter 1234.
4. If you cannot connect to a DHCP server, enter the default network settings.

<table>
<thead>
<tr>
<th>Default Username</th>
<th>Default IP Address</th>
<th>Default Subnet Mask</th>
<th>Default Gateway</th>
</tr>
</thead>
<tbody>
<tr>
<td>admin</td>
<td>10.5.1.10</td>
<td>255.0.0.0</td>
<td>10.0.0.1</td>
</tr>
</tbody>
</table>

3. INSTALLATION

Mounting the camera

1. Fix the installation template in the correct location with the correct orientation for the surface, for example, ceiling or wall.
2. Following the installation template, drill 4 holes in the installation surface for the rawplugs and, if required, one cable exit hole.
3. Insert the 4 rawplugs into the holes in the installation surface.
4. Align the base of the camera over the rawplugs and route the cable bundle accordingly.
5. Ensure the cable notch on the base is aligned downwards to prevent water ingress.
6. Insert the screws (3) into the rawplugs and fasten them firmly.
7. Connect to the cable bundle.
8. Adjust the position of the camera as required by loosening the adjustment screw (2) and tighten.
9. Adjust the sunshades as required by loosening the adjustment screw on sunshade (1) and tighten.

Further configuration

After the IP address has been configured, you can also access the camera’s configuration pages through IndigoVision Control Center.

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

Alarm I/O connections

The ProUltra X Bullet Camera has one alarm input and one alarm output. These are connected using the Alarm I/O connections on the camera.

Alarm inputs

Alarm input is operated by connecting the Input (DI) to Input 1 COM (DI COM).

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

Alarm output

The alarm output is a solid state open collector output:
- Max load voltage: 24V DC, 50mA

Monitor video during installation

To ensure the camera is aligned correctly you can view the camera picture during installation.

1. Connect the camera to a monitoring device using the supplied BNC Adapter cable connected into the video port (9).
2. The manual zoom joystick (5) can be used during setup.

Focus the camera

To focus the camera, click the Auto or Manual Focus Mode button on the Main page.

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4. OPERATIONS

Micro SD card installation

1. Switch off the camera and disconnect the power.
2. Remove the sunshield (7) and top access cap (8) using a large flat blade screwdriver.
3. Insert the micro SD card into the micro SD card slot (10).
4. Replace the top access cap and sunshield.
5. Reconnect the power.

Ensure that the top access cap is securely tightened. A poorly fitted top access cap will impact the IP rating of the camera.