**PACKAGE CONTENTS**

Camera
- HD Bullet Camera

Additional items
- 1x Installation template
- 1x Waterproof RJ45 cable gland
- 1x Power cable adaptor
- Installation accessory bag

**CONNECTIONS**

**Cable bundle**

![Figure 2 HD Bullet Camera cable bundle]

**Connections**

**Table 1: Connections**

<table>
<thead>
<tr>
<th>No.</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ethernet port (RJ45), CAT 5 or higher</td>
</tr>
<tr>
<td>2</td>
<td>DC 12V power</td>
</tr>
</tbody>
</table>

**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.
- Do not connect to more than one power sources at the same time.
- Ensure that the power supply conforms to the SELV (Safety Extra Low Voltage) safe level.

**Caution**
- Ensure that you install the network cable in a location where it will not be trampled or crushed.
- Do not aim at strong light, such as sunlight or electric lighting.
- 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.

**REGULATORY**

- EN 61000-3-2
- EN 61000-3-3
- CISPR 22
- FCC Part 15 Subpart B
- EN 50130-4
- EN 55032
- EN 55024
- EN 61000-6-3
- UL 6950
- EN 60968-2-1: 2007
- EN 60968-2-2: 2007
- EN 60968-2-30: 2007
- EN 60968-2-6: 2008
- EN 60068-2-64: 2008
- EN 60068-2-27: 2009
- EN 60529
- EN 62262
- 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
- RoHS directive 2002/95/EC

**Environment**

- Temperature:
  - Operating: -20°C to +50°C (-4°F to 122°F)
  - Storage: 0°C to +50°C (32°F to 122°F)
  - Cold start: -10°C (14°F)
- Maximum humidity: 95%
1. **POWERING UP THE CAMERA**

The camera is a Power Over Ethernet (PoE) powered device compliant with the IEEE802.3af 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/transition
- Auxiliary power supply
- 12V DC with a maximum power of 11 Watts

A suitable power supply can be ordered separately (Part numbers: 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 via a PoE switch or an Ethernet crossover cable.
   2. 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**

<table>
<thead>
<tr>
<th>Default Username</th>
<th>Admin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Default Password</td>
<td>1234</td>
</tr>
<tr>
<td>Default IP Address</td>
<td>10.5.1.10</td>
</tr>
<tr>
<td>Default Subnet Mask</td>
<td>255.224.0.0</td>
</tr>
<tr>
<td>Default Gateway</td>
<td>10.0.0.1</td>
</tr>
</tbody>
</table>

3. **INSTALLATION**

   **After you have configured your camera's IP settings, you are ready to install it in its final position.**

   **Bullet camera installation**

   The Bullet camera can be installed directly on a wall or ceiling with the integrated 3-axis adjustable mount.

4. **OPERATIONS**

   **Focus the camera**

   To focus the camera, click Setup > Camera > Conditions > Zoom and Focus in the camera's Configuration pages.

   **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.

   **SD card installation**

   ![Figure 4 SD card installation](image)

   1. Switch off the camera and disconnect the power.
   2. Remove the lower panel (3).
   3. Insert the SD card into the SD card slot (2).
   4. Replace the lower panel and reconnect the power.

   **Reset to factory defaults**

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

   1. Press and hold the Reset button (1) on the camera for ten seconds.
   2. Click Setup > System > Default > Default on the camera's Configuration pages.

   **Mounting the camera**

   The supplied waterproof RJ45 cable gland is not required if the camera is installed in an internal location where a waterproof IP66 connection is not necessary.

   1. Run an unterminated network cable to the point where you want to mount the camera. The network cable should be rated at CAT5 or above.
   2. Place the installation template over the point on the wall or ceiling where you want to mount the camera and drill three mounting holes using the mounting hole template.
   3. Insert the raw plugs (1) into the holes which you have drilled.

   **Figure 3 Bullet camera installation**

   4. If necessary, run the network cable through the supplied waterproof RJ45 cable gland.
   5. Terminate the network cable with an RJ45 connector and connect it to the camera.

   If you are using the waterproof RJ45 cable gland, ensure that it fits securely over the connection and the rubber seal is in place.

   6. Securely fix the camera mount to the wall or ceiling using the Mounting screws (3).
   7. Loosen the locking screws (2) on the camera mount and camera housing, and change the position of the camera to capture the correct field of view.
   8. When the camera is in the correct position, tighten the locking screws to secure the camera.

   **Notice**

   The supplied waterproof RJ45 cable gland is not required if the camera is installed in an internal location where a waterproof IP66 connection is not necessary.