

Bullet Network Camera Quick Setup Guide

NO:101-300-0636-01
Issue:1.1

Precautions

Fully understand this document before using this device, and strictly observe rules in this document when using this device. If you install this device in public places, provide the tip "You have entered the area of electronic surveillance" in an eye-catching place. Failure to correctly use electrical products may cause fire and severe injuries.

⚠ WARNING	It alerts you to moderate dangers which, if not avoided, may cause minor or moderate injuries.
⚠ CAUTION	It alerts you to risks. Neglect of these risks may cause device damage, data loss, device performance deterioration, or unpredictable results.
NOTE	It provides additional information.

⚠ WARNING

- Strictly observe installation requirements when installing the device. The manufacturer shall not be held responsible for device damage caused by users' non-conformance to these requirements.
- Strictly conform to local electrical safety standards and use power adapters that are marked with the LPS standard when installing and using this device. Otherwise, this device may be damaged.
- Use accessories delivered with this device. The voltage must meet input voltage requirements for this device.
- If this device is installed in places with unsteady voltage, ground this device to discharge high energy such as electrical surges in order to prevent the power supply from burning out.
- When this device is in use, ensure that no water or any liquid flows into the device. If water or liquid unexpectedly flows into the device, immediately power off the device and disconnect all cables (such as power cables and network cables) from this device.
- Do not focus strong light (such as lighted bulbs or sunlight) on this device. Otherwise, the service life of the image sensor may be shortened.
- If this device is installed in places where thunder and lightning frequently occur, ground the device nearby to discharge high energy such as thunder strikes in order to prevent device damage.

⚠ CAUTION

- Avoid heavy loads, intensive shakes, and soaking to prevent damages during transportation and storage. The warranty does not cover any device damage that is caused during secondary packaging and transportation after the original packaging is taken apart.
- Protect this device from fall-down and intensive strikes, keep the device away from magnetic field interference, and do not install the device in places with shaking surfaces or under shocks.
- Clean the device with a soft dry cloth. For stubborn dirt, dip the cloth into slight neutral cleanser, gently wipe the dirt with the cloth, and then dry the device.
- Do not jam the ventilation opening. Follow the installation instructions provided in this document when installing the device.
- Keep the device away from heat sources such as radiators, electric heaters, or other heat equipment.
- Keep the device away from moist, dusty, extremely hot or cold places, or places with strong electric radiation.
- If the device is installed outdoors, take insect- and moisture-proof measures to avoid circuit board corrosion that can affect monitoring.
- Remove the power plug if the device is idle for a long time.
- Before unpacking, check whether the fragile sticker is damaged. If the fragile sticker is damaged, contact customer services or sales personnel. The manufacturer shall not be held responsible for any artificial damage of the fragile sticker.

Special Announcement

- All complete products sold by the manufacturer are delivered along with nameplates, quick setup guide and accessories after strict inspection. The manufacturer shall not be held responsible for counterfeit products.
- The manufacturer will update this manual according to product function enhancement or changes and regularly update the software and hardware described in this manual. Update information will be added to new versions of this manual without prior notice.
- This manual may contain misprints, technology information that is not accurate enough, or product function and operation description that is slightly inconsistent with the actual product, the final interpretation of company is as a standard.
- This manual is only for reference and does not ensure that the information is totally consistent with the actual product. For consistency, see the actual product.

NOTE

For more information, please refer to website.

1 Open Package Examination

Open the package, check the appearance of product for no obvious damage, and confirm the item list for table 1-1 is consistent.

Table 1-1 Packing list

Component	Quantity	Remark
Bullet Network Camera	1	
Quick Setup Guide	1/1	
Installation location sticker	1	
L Hex Wrench 80*25/54*18 mm	1	
Stainless self-tapping screw PA 4.0x30 mm	4	
Plastic anchor φ 5.6x29 mm	4	
Waterproof rubber seal	1	
Video patch cord	1	Optional
Alarm terminal block	1	Optional

2 Device Structure

2.1 Device Ports

NOTE

Different devices may have different ports and multi-head cables; Please refer to the actual product.

Figure2-1 Multi-head cable 1

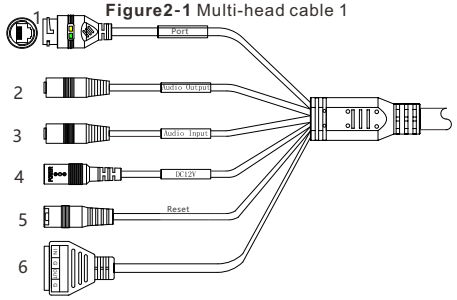


Table 2-1 Multi-head cable 1 description

ID	Core	Description	Remark
1	Network access port	Connect to a standard Ethernet cable or PoE. The green light is on, the network connection is normal; The yellow light flashes when the data is transmitted. Some models may not have the lights; Please refer to the actual product.	Support PoE supply.
2	Audio output	Connect to an external audio device such as a speaker.	Applied for camera with audio function
3	Audio input port	Receive an analog audio signal from devices such as a sound pickup device.	
4	Reset button	Long press the reset button for 5 seconds to restore the original settings.	
5	Power supply (DC 12V)	Connect to a 12V direct current (DC) power supply.	
6	G	Alarm output COM	Applied for alarm function
	OUT	Alarm output terminal	
	G	Alarm input COM	
	IN	Alarm input terminal	

Figure2-2 Multi-head cable 2

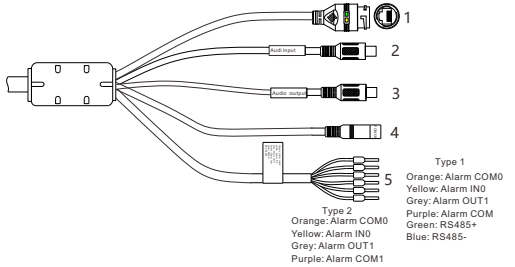


Table 2-2 Multi-head cable 2 description

ID	Core	Description	Remark
1	Network access port	Connect to a standard Ethernet cable or PoE. The green light is on, the network connection is normal; The yellow light flashes when the data is transmitted. Some models maybe not have the lights; Please refer to the actual product.	Support PoE supply
2	Audio input port	Receive an analog audio signal from devices such as a sound pickup device.	Applied for audio function
3	Audio output port	Connect to an external audio device such as a speaker.	
4	Power supply (DC 12V)	Connect to a 12V direct current (DC) power supply or 24V alternating current (AC) power supply.	
5	Alarm	Applied for alarm function. It may have two types, please refer to the actual product.	

Table 2-3 Multi-head cable 3 description

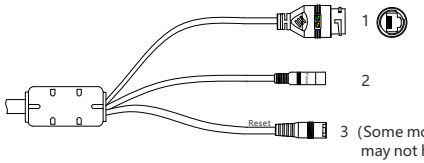


Table 2-3 Multi-head cable description

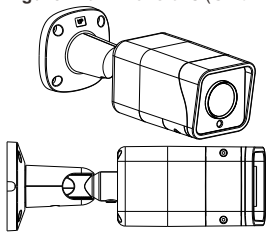
ID	Core	Description	Remark
1	Network access port	Connect to a standard Ethernet cable or PoE. The green light is on, the network connection is normal; The yellow light flashes when the data is transmitted. Some models may not have the lights; Please refer to the actual product.	Support PoE supply.
2	Power supply (DC 12V)	Connects to a 12V direct current (DC) power supply.	
3	Reset button	Long press the reset button for 5s to restore the original settings.	

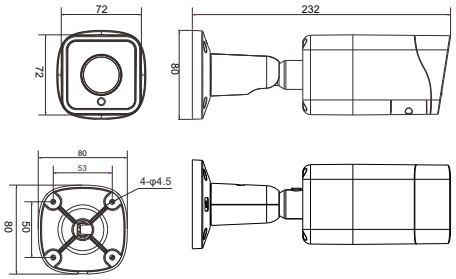
2.2 Camera Dimensions

NOTE

Different devices may have different dimensions; Please refer to the actual product.

Figure 2-3 Dimensions (Unit: mm)





3 Device Installation

The Bullet Network Camera can be installed on the ceiling or wall. You can select an installation mode based on site requirements. If the camera is installed on a concrete wall, install the expansion bolts before installing the bracket. If the camera is installed on a wooden wall, use self-tapping screws to install the bracket directly.

Installation Steps:

Step 1 Stick the Installation location sticker on the ceiling or wall, drill three holes based on the marks on the sticker. Drive the plastic anchors into the holes.

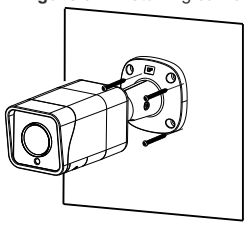
Step 2 Connect the multi-connector cable.

NOTE

You can route cables from the top or from the side. If you use the top routing method, drill a hole in the surface first. If you use the side routing method, please route the multi-head cable out from the side gap at the bottom of the camera.

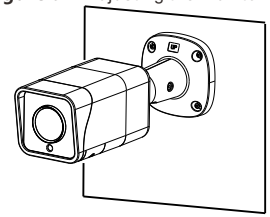
Step 3 Install the camera on the ceiling or wall and fix the screws as shown in figure 3-1.

Figure 3-1 Installing camera



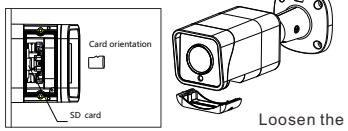
Step 4 Loosen the fixing screw and locking ring to adjust the position so that the camera faces the monitored area, then tighten the locking ring and the fixing screw, as shown in figure 3-2.

Figure 3-2 Adjusting the monitoring direction



Step 5 Unscrew the fixing screw and open the lens cover, use the focusing lever to adjust the lens and check images on the analog monitor until the captured images are clear. Then lock the focusing lever, screw the cover and fasten the screw (This step is applied for manually focusing lens products only). User can install SD card at this location.

Figure 3-3 Adjusting the view angle and focal length



Loosen the screws, move on the cover, and plug the SD card into slot, then tighten screws close cover.

NOTE

Different devices may have different methods of installing SD card; Please refer to the actual product.

4 Quick Configuration(e.g IE)

4.1 Login

Step 1 Open the Internet Explorer, enter the IP address of IP camera (the default value: 192.168.0.120) in the address box, and press Enter. The login page is displayed as shown in figure 4-1.

Step 2 Input the user name and password.

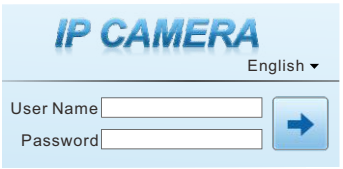
NOTE

The default user name and password both are admin. Modify the password when user logs into the system for the first time to ensure system security.

It is advised to restart the device three minutes later after modifying password.

User can change the system display language on the login page.

Figure 4-1 Login



Step 3 Click Login, the main page is displayed.

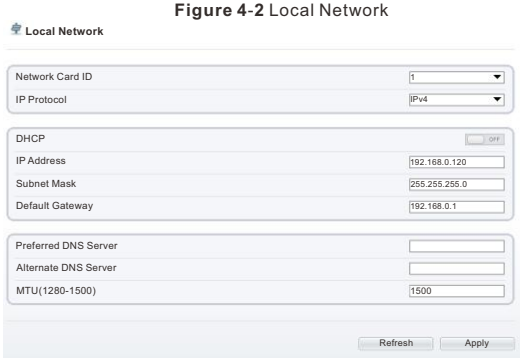
4.2 Modify IP address

Choose **Configuration** > **Device** > **Local Network**, the **Local Network** page is displayed.

Input the IP address in the IP Address box and click **Apply** as shown in figure 4-2.

After the IP address is set successfully, please use the new IP address to login the Web interface.

Figure 4-2 Local Network

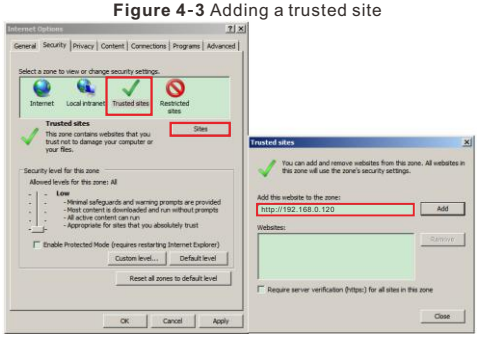


4.3 Browsing Video

To ensure the real-time video can be played properly, you must perform the following operation when you login the web for the first time:

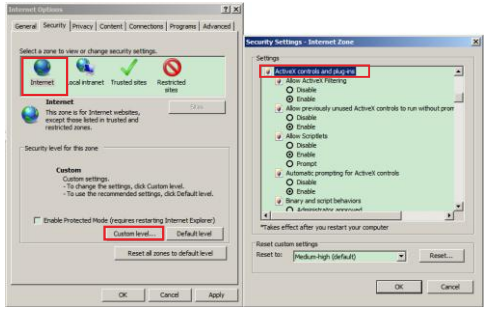
Step 1 The Internet Explorer. **Choose Tools** > **Internet options** > **Security** > **Trusted sites** > **Sites**, in the display dialog box, click **Add**, as shown in figure 4-3.

Figure 4-3 Adding a trusted site



Step 2 In the Internet Explorer, choose **Tool** > **Internet Options** > **Security** > **Customer level**, and set **Download unsigned ActiveX control** and **initialize and script ActiveX controls not marked as safe for scripting under ActiveX controls and plug-ins to enable**, as shown in figure 4-4.

Figure 4-4 Configuring ActiveX control and plug-in



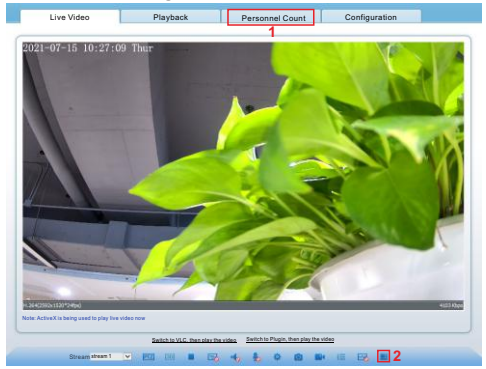
Step 3 Download and install the player control as prompted.

NOTE

If the repair tips displayed when installing the control, please ignore the prompt, and continue the installation, close the Web page during installing. Then login the page again.

To browse a real-time video, login the device and click **Live Video**. The Live Video page is displayed, as shown in figure 4-5.

Figure 4-5 Live Video

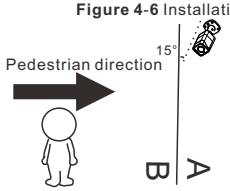


1 Personnel Count: User can query the data of personnel count, through year, month, day. The statistics can be downloaded. The data can be shown by line chart, histogram, list.

2 AI Live video: Click the icon to view the snapshots of human face or license plate (click “Face” or “Plate” to switch).

The bottom page will show the captured images of vehicle and human face.

Figure 4-6 Installation of personnel count



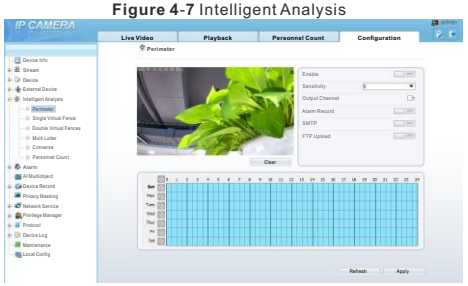
CAUTION

If user requires higher accuracy of personnel count, we recommend the user to install camera and draw the line following as figure 4-6. For better capture performance, it is recommended to use 6mm focus length lens or above.

4.4 Intelligent Analysis

At "Configuration > Intelligent Analysis" interface, user can set the parameters of Perimeter, Single Virtual Fence, Double Virtual Fence, Multi Loiter, Converse and Personnel Count, as shown in figure 4-7 .

Figure 4-7 Intelligent Analysis



4.5Alarm Configuration

NOTE

Partial cameras do not support alarm, this section does not apply.

Alarm input and Alarm output connection:

Step 1 Connect alarm input device to Alarm IN0 and Alarm COM0 of multi-head cable.

Step 2 Connect alarm output device to Alarm OUT1 and Alarm COM1 of multi-head cable, alarm output interface can connect to normal open device only.

Step 3 Log in Web, Choose **Configuration> Alarm > Alarm output**, set the parameters as shown in figure 4-8.

Step 4 Choose **Configuration > Alarm > I/O Alarm Linkage** , enable the I/O Alarm and set the parameters of Schedule Setting.

Figure 4-8 Alarm



4.6 AI Multi object

At “Configuration > AI Multi object” interface, user can enable face detection, full body detection, vehicle detection, set the other parameters of detection.

Figure 4-9 AI Multi-object

