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# **Network Bullet Cameras**

## **Quick Guide**

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V2.01

BOM:3101C0E8

## Safety and Compliance Information

Installation and removal of the unit and its accessories must be carried out by qualified personnel. You must read all of the Safety Instructions supplied with your equipment before installation and operation.

### Installation

- This device is a class A product and may cause radio interference. Take measures if necessary.
- Make sure the camera operates in an environment where the temperature and humidity meet requirements. Keep the camera from excessive pressure, vibration, moisture, dust, and intensive electromagnetic radiation.
- Use a power adapter or a PoE device that meets requirements. Otherwise, the device may be damaged.
- Make sure the length of the power cable between the power adapter and the camera is not too long, otherwise the voltage of the camera is lowered, causing the camera to work abnormally. If it is required to lengthen the power cable, lengthen the cable between the power adapter and the mains.
- Do not hold the tail cable by hand for weight bearing. Otherwise, the cable connector of the camera could be loosened.
- Do not cut the tail cable. Exposed tail cables may cause short circuit and damage the camera.
- When connecting to an external interface, use an existing connection terminal, and ensure that the cable terminal (latch or clamp) is in good condition and properly fastened. Ensure that the cable is not tense during mounting, with a proper margin reserved to avoid poor port contact or loosening caused by shock or shake.
- The end of the tail cable must be kept under good protection. Take waterproof measures to protect the tail cable.
- During the process of transportation, special attention is required for the protection of the transparent dome cover to prevent friction, scratch and contamination, etc. In order to keep the cover

clean, do not remove the protective film on the cover during mounting. After mounting is finished, remove the film before the device is powered on.

- Contact professionals for maintenance information. Do not attempt to dismantle the device by yourself. We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.

## Maintenance

- Caution: There will be risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
- If there is dust on the front glass surface, remove the dust gently using an oil-free brush or a rubber dust blowing ball.
- If there is grease or a dust stain on the front glass surface, clean the glass surface gently from the center outward using anti-static gloves or an oil-free cloth. If the grease or the stain still cannot be removed, use anti-static gloves or an oil-free cloth dipped with detergent and clean the glass surface gently until it is removed.
- Do not use organic solvents, such as benzene or ethanol when cleaning the transparent dome cover.



- Never look at the transmit laser while the power is on. Never look directly at the fiber ports and the fiber cable ends when they are powered on.
- Use of controls or adjustments to the performance or procedures other than those specified herein may result in hazardous laser emissions.

# Regulatory Compliance

## FCC Part 15

This equipment has been tested and found to comply with the limits for digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This product complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

## LVD/EMC Directive



This product complies with the European Low Voltage Directive 2014/35/EU and EMC Directive 2014/30/EU.

## WEEE Directive–2012/19/EU



The product this manual refers to is covered by the Waste Electrical & Electronic Equipment (WEEE) Directive and must be disposed of in a responsible manner.

## Default IP, Username and Password

- Default IP address: **192.168.1.13** or **192.168.0.13** (vary with firmware version)
- Default username: **admin**
- Default password: **123456**



The default password is used for your first login. To ensure account security, please change the password after your first login. You are recommended to set a strong password (no less than eight characters).

## Packing List

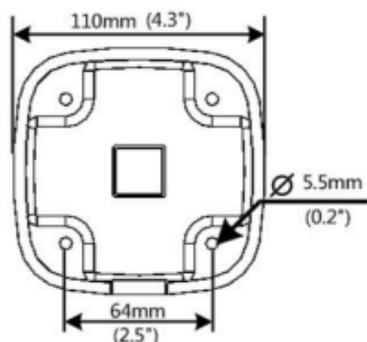
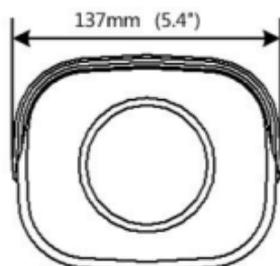
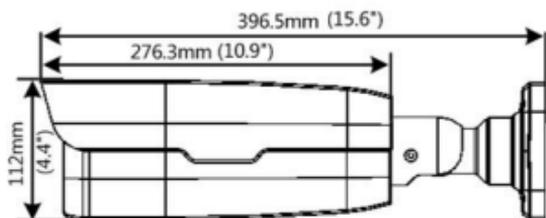
Contact your local dealer if the package is damaged or incomplete. The attachments may vary with models, please see the actual model for details.

Item	Quantity
Camera	1
User document	1
Accessory pack	1

## Appearance

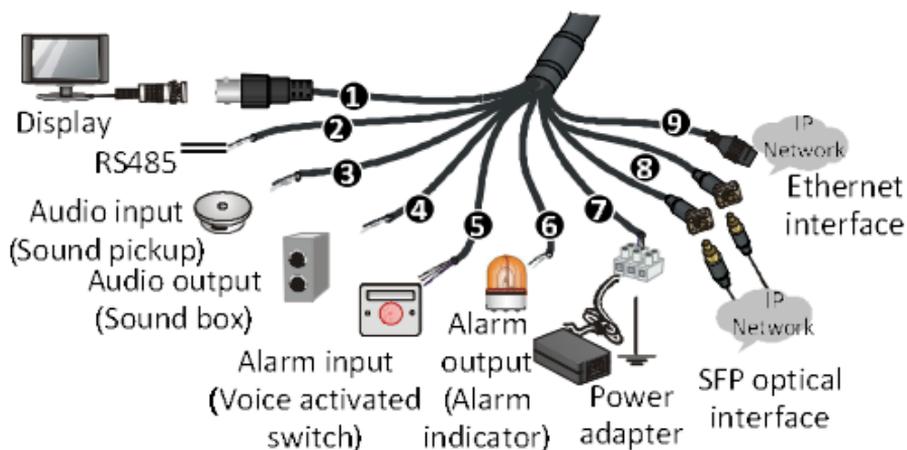
### Dimensions

The figures in the manual are for your reference only. The actual appearance may vary with the product model.



## Cable Connection

All the cables are tagged to indicate their functions. You can connect cables by referring to the following figure.



For specifications, see the latest product datasheets.



## Mount Your Camera

### (Optional) Insert Micro SD Card



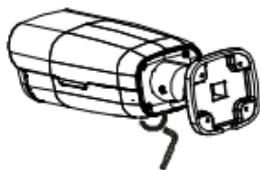
- When inserting the Micro SD card after removing the back cover, hold the camera body in case the camera drops.
- To avoid the camera becomes foggy, make sure the waterproof ring is into position and the screws are tightened up when you remove and install the back cover.

To use the local storage function, you need to install a Micro SD card into the camera. The SD card is installed inside the camera. To install the SD card, you need to remove the back cover of the camera first. Do not hot plug the Micro SD card

after it is inserted. Otherwise the camera or the SD card might be damaged. Contact your dealer for the recommended specifications of the Micro SD card.

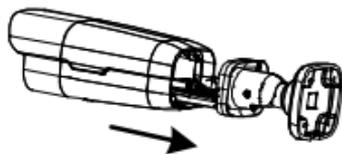
1. Remove the back cover of the camera.

Loosen the fixing screws on the back cover using a 4# hex L-key that is delivered with the camera.

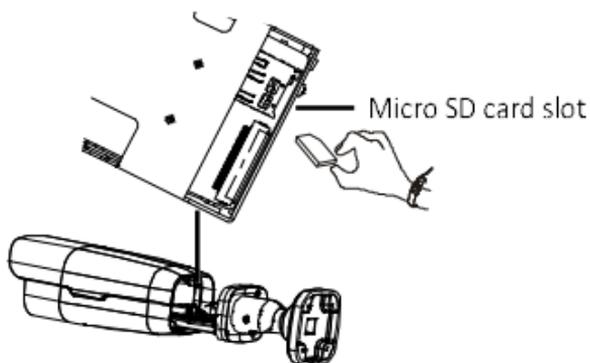


2. Take out the camera module.

Take out the camera module as shown in the figure below until the Micro SD card slot is visible. Please hold the camera body when you take out the camera module, otherwise the camera might drop.



3. Insert the Micro SD card as shown in the figure below.



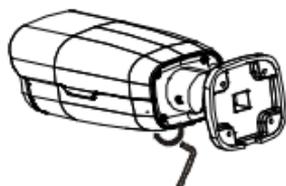
## (Optional) Mount SFP Optical Module



- Only certain models support the SFP optical module mounting and the module should be purchased separately.
- When mounting the SFP optical module after loosening the screws on the back cover, please hold the camera body in case the camera drops.
- To avoid the camera becomes foggy, make sure the waterproof ring is into position and the screws are tightened up when you remove and install the back cover.
- Select the optical module according to the environment temperature. The SFP optical module should support the ambient temperature of above 85°C if it is used outdoors.
- Do not overbend the optical fiber.

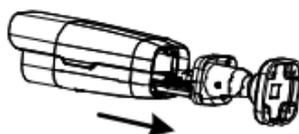
1. Remove the back cover of the camera.

Loosen the fixing screws on the back cover using a 4# hex L-key that should be purchased separately.



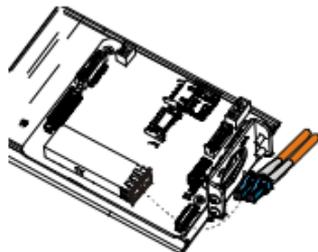
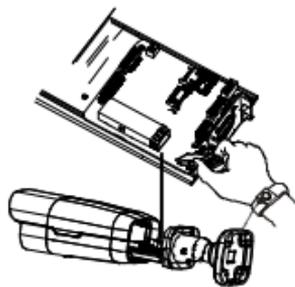
2. Take out the camera module.

Take out the camera module as shown in the figure below until the SFP optical module slot is visible. Please hold the camera body when you take out the camera module, otherwise the camera might drop down.



3. Mount the SFP optical module.

4. Connect the optical fiber plug and the optical module.

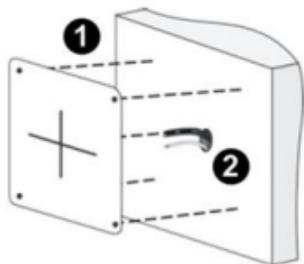


## Wall Mount

You can adopt wall mount or pendant mount and purchase hardware accessories separately. The following part takes wall mount as an example. Pendant mount is similar to wall mount and therefore is omitted here.

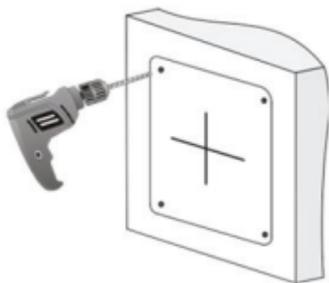
1. Locate the positions of the holes.

Paste the drill template on the wall and align the cross center to the hole in the wall. Lead the cables across the hole on the wall.

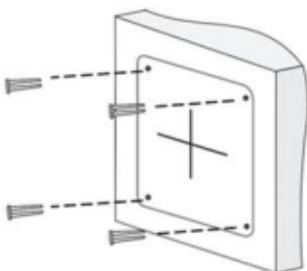


2. Drill holes on the wall.

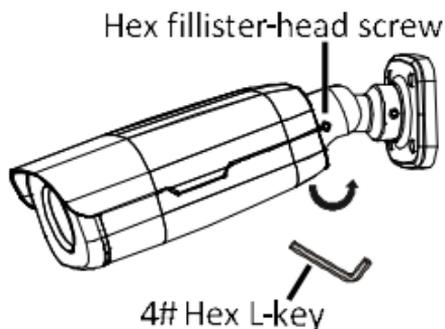
Use a  $\varnothing 6-6.5$ mm drill bit to drill 40 mm-depth guide holes according to the positions marked by the drill template.



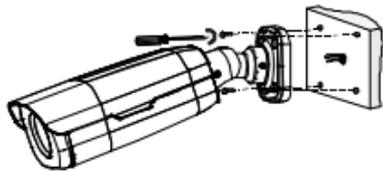
3. Knock the plastic anchors of self-tapping screws into the guide holes and ensure that they are tightened up.



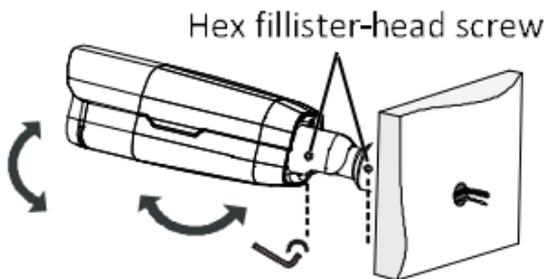
4. To avoid damage, use a 4# hex L-key to loosen the universal joint before attaching the camera to the wall.



5. Mount the camera onto the wall and connect all cables. Lead the self-tapping screws through the guide holes in the base and fix them on the wall by using a screwdriver.

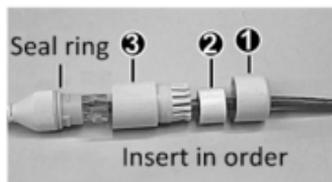


6. Adjust the monitoring direction.
- Loosen hex fillister-head screws using a 4# hex L-key.
  - Adjust the camera to the desired monitoring direction and then tighten the screws.



The preceding installation process is for concealed installation, during which holes are punched on the wall and cables are penetrated into the wall. If open installation is adopted, cables are not penetrated into the wall but threaded out from the outlet on one side of the base.

## Waterproof Components for an RJ45 Plug



Attach the seal ring to the Ethernet interface. Mount the waterproof components in order. Then insert the cable into the Ethernet interface and screw the waterproof bolt in.



You can crimp the inner wires of the cable with the RJ45 plug first and then cover the waterproof components. You may also cover the waterproof components first.

## Waterproof Tail Cable

Connect the tail cables and then take the following steps to protect the tail cables from water using waterproof tapes. The figures are for your reference only.



1. Connect the tail cables, and protect the cables and cable connections using insulating tapes. Then wrap all the tail cables together using insulating tapes.



2. Choose a start point for waterproof tapes and protect the tail cables using waterproof tapes.



- Avoid short circuit when insulating the cables.
- Use self adhesive waterproof tapes that will stick together with the twisted cables.
- Tighten waterproof tapes when wrapping the cables and make sure the cable connections are fully covered.
- You are recommended to put the waterproof cables in a waterproof junction box which needs to be purchased separately.



## Access Your Camera

Before you begin, check that:

- Your camera is operating properly and connected to the network.
- The PC you are using is installed with Internet Explorer 7.0 or later.

Follow these steps to access your camera through the Web:

1. Open your browser, input the IP address of your camera in the address bar and then press **Enter** to open the login page.

2. Enter the username and password and then click **Login**.



- Install the ActiveX at your first login. When the installation of the ActiveX is completed, open your IE to log in.
- For your first login with Windows 7, if the system does not prompt you to install ActiveX, follow these steps to turn off UAC: click the **Start** button, and then click **Control Panel**. In the search box, type **uac**, and then click **Change User Account Control Settings**. Move the slider to the **Never Notify** position, and then click **OK**. After UAC is turned off, log in again.
- If the installation failed, open **Internet Option** in IE before login. Click the **Security** tab, click **Trusted sites**, and then click **Sites** to add the website. If you use Windows 7, you need to save the setup.exe to your PC first, and then right-click the file, select **Run as administrator**, and then install it according to instructions.