



Bullet Network Camera

Quick Start Guide



Foreword

General

This manual introduces the functions and operations of the camera.

Safety Instructions

The following categorized signal words with defined meaning might appear in the manual.

Signal Words	Meaning
 WARNING	Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.
 CAUTION	Indicates a potential risk which, if not avoided, may result in property damage, data loss, lower performance, or unpredictable result.
 NOTE	Provides additional information as the emphasis and supplement to the text.

Revision History

Version	Revision Content	Release Time
V1.0.2	Updated some figures.	April 2024
V1.0.1	Updated "Important Safeguards and Warnings."	April 2021
V1.0.0	First release.	July 2019

About the Manual

- The manual is for reference only. If there is inconsistency between the manual and the actual product, the actual product shall prevail.
- We are not liable for any loss caused by the operations that do not comply with the manual.
- The manual would be updated according to the latest laws and regulations of related regions. For detailed information, see the paper manual, CD-ROM, QR code or our official website. If there is inconsistency between paper manual and the electronic version, the electronic version shall prevail.
- All the designs and software are subject to change without prior written notice. The product updates might cause some differences between the actual product and the manual. Please contact the customer service for the latest program and supplementary documentation.
- There still might be deviation in technical data, functions and operations description, or errors in print. If there is any doubt or dispute, please refer to our final explanation.
- Upgrade the reader software or try other mainstream reader software if the manual (in PDF format) cannot be opened.
- All trademarks, registered trademarks and the company names in the manual are the properties of their respective owners.

- Please visit our website, contact the supplier or customer service if there is any problem occurred when using the device.
- If there is any uncertainty or controversy, please refer to our final explanation.

Important Safeguards and Warnings

This section introduces content covering the proper handling of the device, hazard prevention, and prevention of property damage. Read carefully before using the device, comply with the guidelines when using it.

Transportation Requirements



- Transport the device under allowed humidity and temperature conditions.
- Pack the device with packaging provided by its manufacturer or packaging of the same quality before transporting it.
- Do not place heavy stress on the device, violently vibrate or immerse it in liquid during transportation.

Installation Requirements



WARNING

- Strictly comply with the local electrical safety code and standards, and check whether the power supply is correct before operating the device.
- Please follow the electrical requirements to power the device.
 - ◇ When selecting the power adapter, the power supply must conform to the requirements of ES1 in IEC 62368-1 standard and be no higher than PS2. Please note that the power supply requirements are subject to the device label.
 - ◇ We recommend using the power adapter provided with the device.
- Do not connect the device to two or more kinds of power supplies, unless otherwise specified, to avoid damage to the device.
- The device must be installed in a location that only professionals can access, to avoid the risk of non-professionals becoming injured from accessing the area while the device is working. Professionals must have full knowledge of the safeguards and warnings of using the device.



- Do not place heavy stress on the device, violently vibrate or immerse it in liquid during installation.
- An emergency disconnect device must be installed during installation and wiring at a readily accessible location for emergency power cut-off.
- We recommend you use the device with a lightning protection device for stronger protection against lightning. For outdoor scenarios, strictly comply with the lightning protection regulations.
- Ground the function earthing portion  of the device to improve its reliability (certain models are not equipped with earthing holes). The device is a class I electrical appliance. Make sure that the power supply of the device is connected to a power socket with protective earthing.
- The dome cover is an optical component. Do not directly touch or wipe the surface of the cover during installation.

Operation Requirements



- The cover must not be opened while the device is powered on.
- Do not touch the heat dissipation component of the device to avoid the risk of getting burnt.



- Use the device under allowed humidity and temperature conditions.
- Do not aim the device at strong light sources (such as lamplight, and sunlight) when focusing it, to avoid reducing the lifespan of the CMOS sensor, and causing overbrightness and flickering.
- When using a laser beam device, avoid exposing the device surface to laser beam radiation.
- Prevent liquid from flowing into the device to avoid damage to its internal components.
- Protect indoor devices from rain and dampness to avoid electric shocks and fires breaking out.
- Do not block the ventilation opening near the device to avoid heat accumulation.
- Protect the line cord and wires from being walked on or squeezed particularly at plugs, power sockets, and the point where they exit from the device.
- Do not directly touch the photosensitive CMOS. Use an air blower to clean the dust or dirt on the lens.
- The dome cover is an optical component. Do not directly touch or wipe the surface of the cover when using it.
- There might be a risk of electrostatic discharge on the dome cover. Power off the device when installing the cover after the camera finishes adjustment. Do not directly touch the cover and make sure the cover is not exposed to other equipment or human bodies
- Strengthen the protection of the network, device data and personal information. All necessary safety measures to ensure the network security of the device must be taken, such as using strong passwords, regularly changing your password, updating firmware to the latest version, and isolating computer networks. For the IPC firmware of some previous versions, the ONVIF password will not be automatically synchronized after the main password of the system has been changed. You need to update the firmware or change the password manually.

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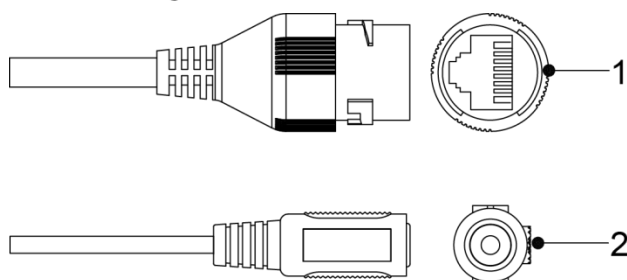
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1 Cable



- Cable type might vary with different devices, and the actual product shall prevail.
- Waterproof all the cable joints with insulating tape and waterproof tape to avoid short circuit and water damage. For the detailed operation, see the *FAQ Manual*.

Figure 1-1 Cable list



For more information about cable ports, see Table 1-1.

Table 1-1 Cable information

No.	Port Name	Description
1	Ethernet	• Connects to network with network cable. • Provides power to the device with PoE.  PoE is available on select models.
2	12V DC power input	Inputs 12V DC power. Be sure to supply power as instructed in the manual.  Device abnormality or damage could occur if power is not supplied correctly.

2 Network Configuration

Device initialization and IP address setting can be finished with the "ConfigTool" or on web interface. For more information, see the *Web Operation Manual*.



- Device initialization is available on select models, and it is required for the first use or after the device is reset.
- Device initialization is available only when the IP addresses of the device (192.168.1.108 by default) and the PC stay in the same network segment.
- Plan useable network segment properly to connect the device to the network.
- The following figures and interfaces are for reference only, and the actual product shall prevail.

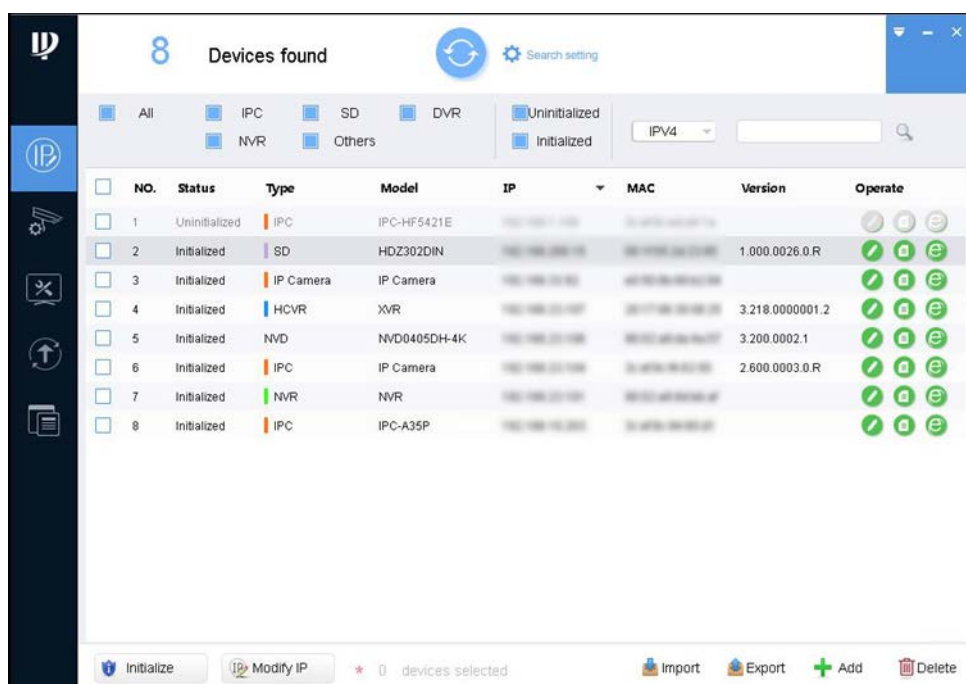
2.1 Initializing Device

Step 1 Double-click "ConfigTool.exe" to open the tool.

Step 2 Click .

The **Modify IP** interface is displayed. See Figure 2-1.

Figure 2-1 Modify IP



Step 3 Click **Search setting**.

The **Setting** interface is displayed.

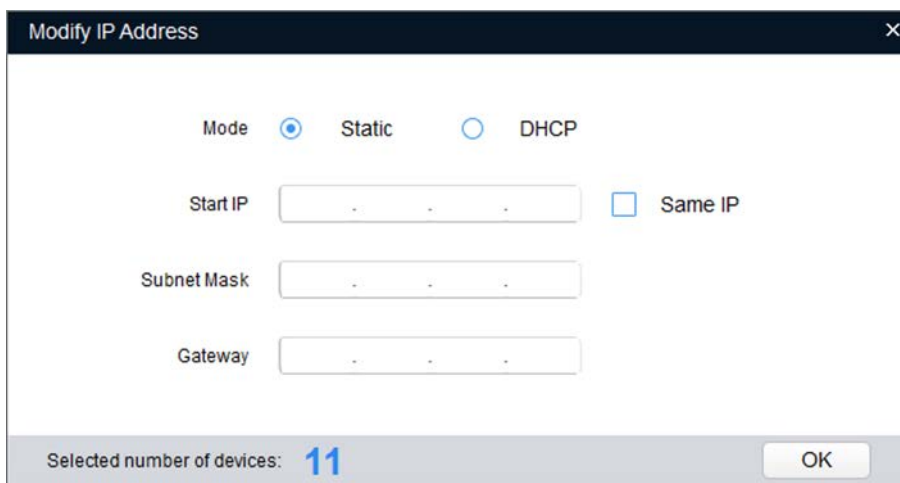
Step 4 Enter the start IP address and end IP address of the network segment in which you want to search devices, and then click **OK**.

All the devices found in the network segment are listed.

Step 5 Select one or several devices whose **Status** shows **Uninitialized**, and then click **Initialize**.

The **Device initialization** interface is displayed.

Figure 2-3 Modify IP Address



Step 3 Select **Static** mode, and then enter start IP, subnet mask, and gateway.



- IP addresses of multiple devices will be set to the same if you select the **Same IP** check box.
- If DHCP server is available in the network, devices will automatically obtain IP addresses from DHCP server when you select **DHCP**.

Step 4 Click **OK**.

2.3 Logging in to Web Interface

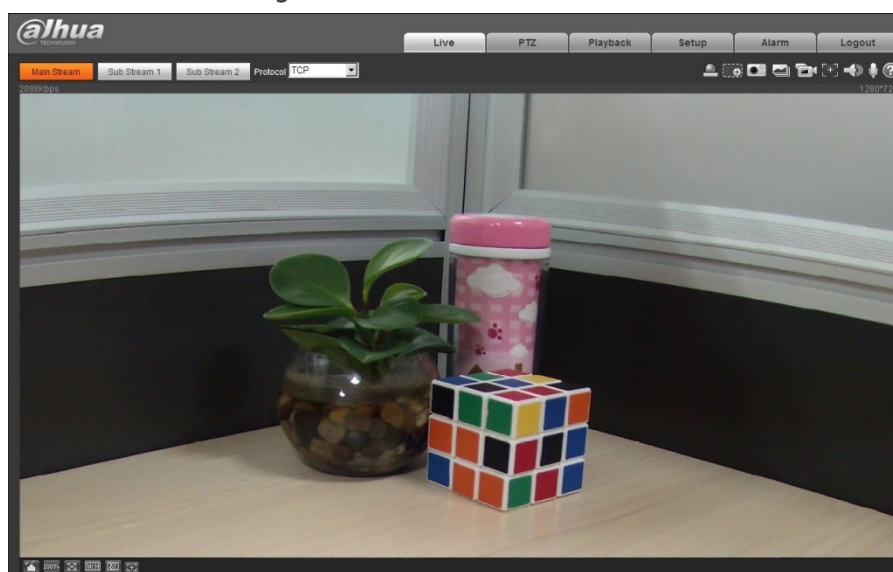
Step 1 Open IE browser, enter the IP address of the device in the address bar, and then press Enter. If the setup wizard is displayed, finish the settings as instructed.

Step 2 Enter the user name and password in the login box, and then click **Login**.

Step 3 For the first login, click **Click Here to Download Plugin**, and then install the plugin as instructed.

The main interface is displayed when the installation is finished. See Figure 2-4.

Figure 2-4 Main interface

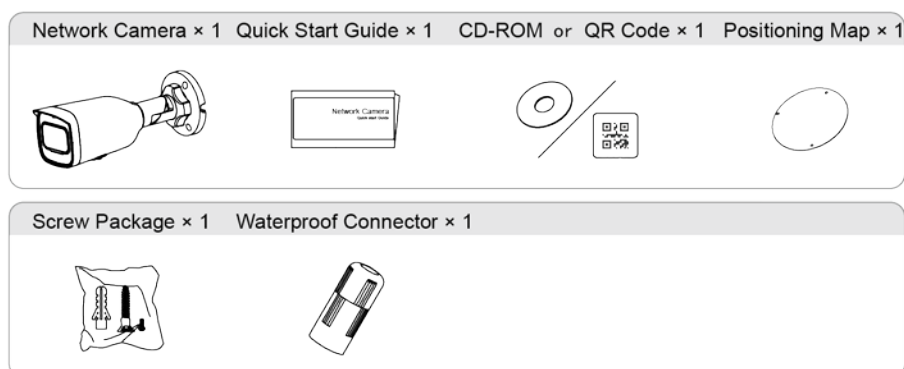


3 Installation

3.1 Packing List



- The tool required for the installation such as electric drill is not provided in the package.
- The operation manual and related tool are contained in the disk or the QR code, and the actual package shall prevail.

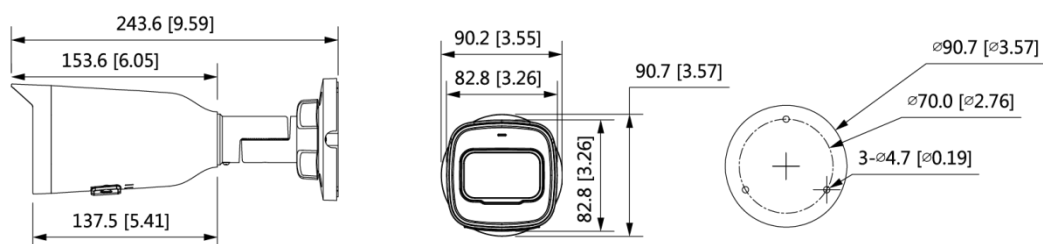


3.2 Dimensions



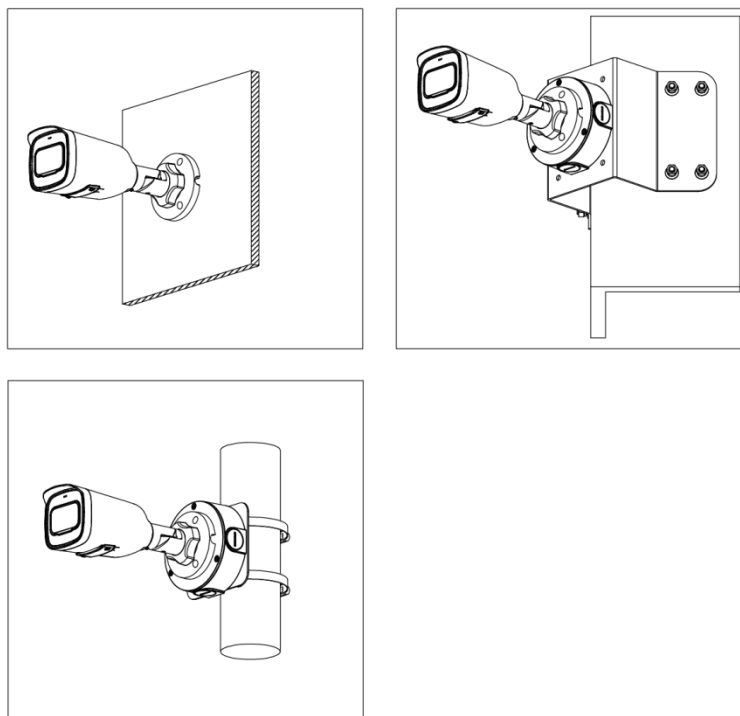
The following figures are for reference only, and the actual product shall prevail.

Unit: mm [inch]



3.3 Installing Device

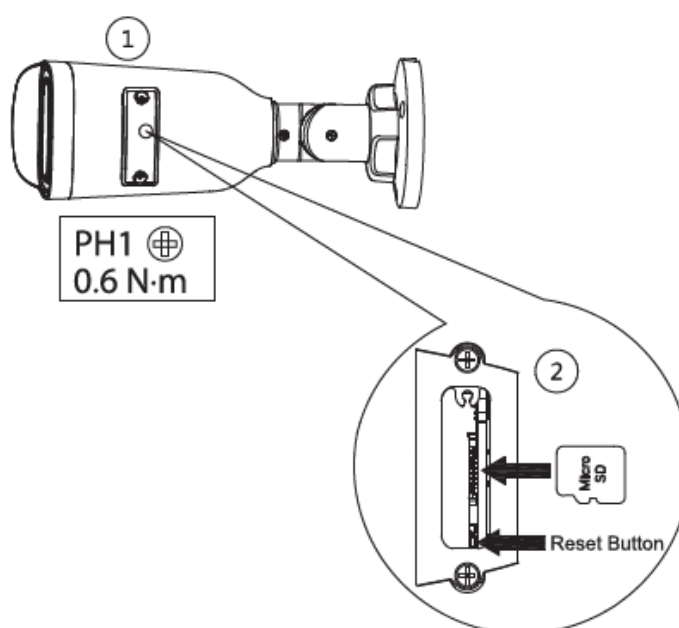
3.3.1 Installation Method



3.3.2 Installing SD Card (Optional)



Disconnect the power before installing or removing the SD card.



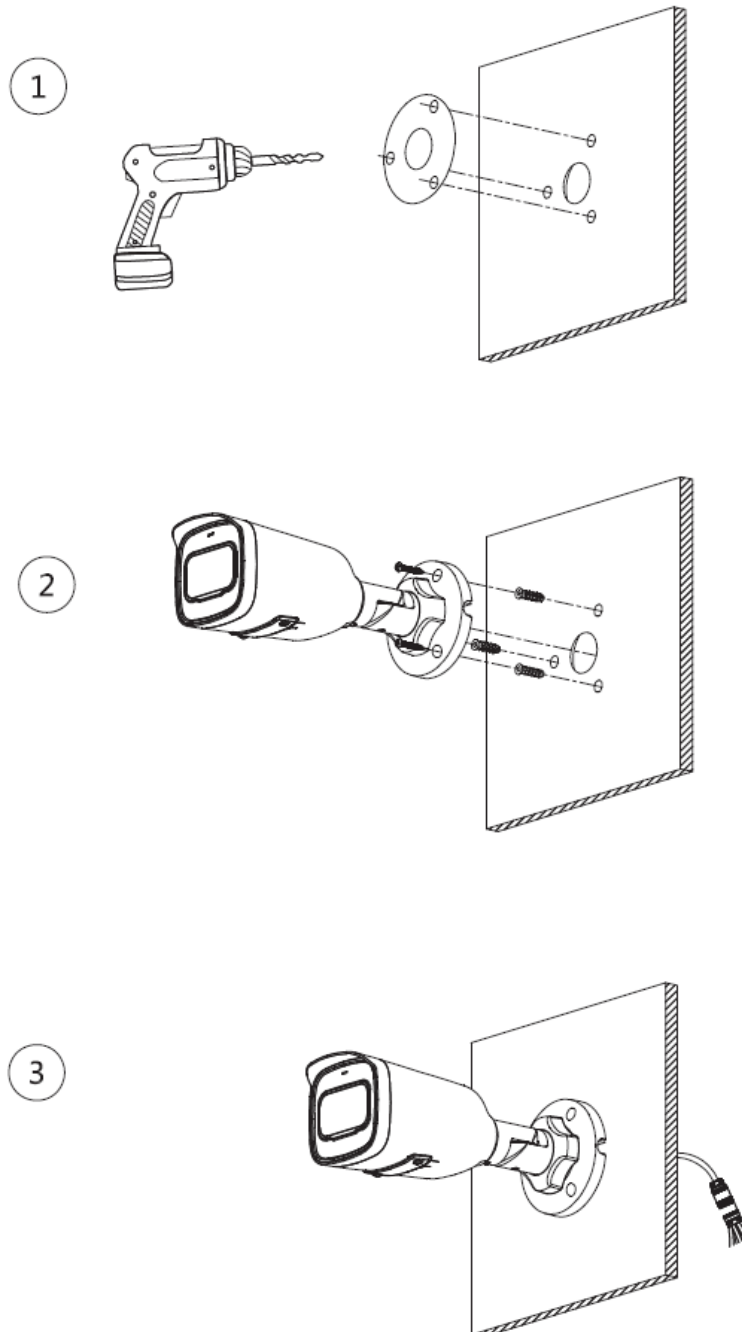
Press and hold the reset button for 10 s to reset the camera.

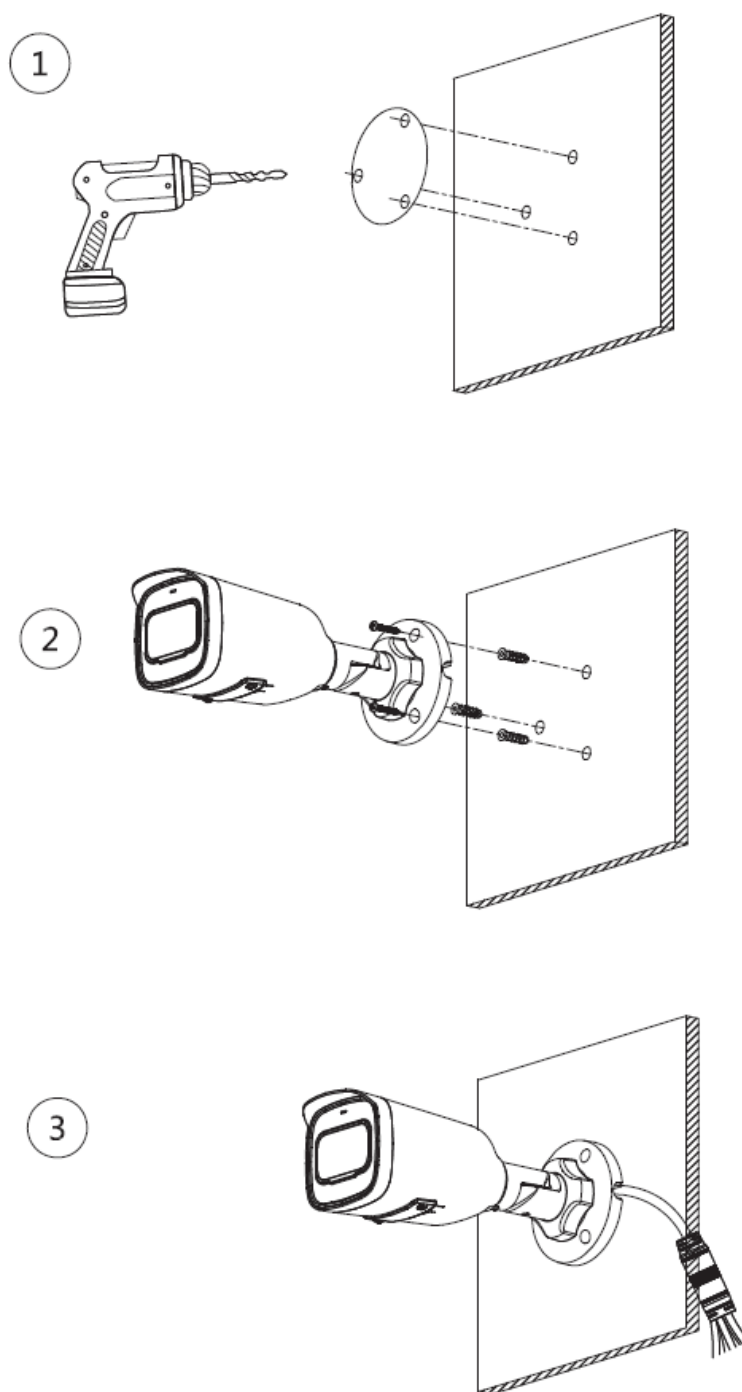
3.3.3 Attaching Device



Make sure the mounting surface is strong enough to hold at least three times of the device weight.

Cable going through the mounting surface

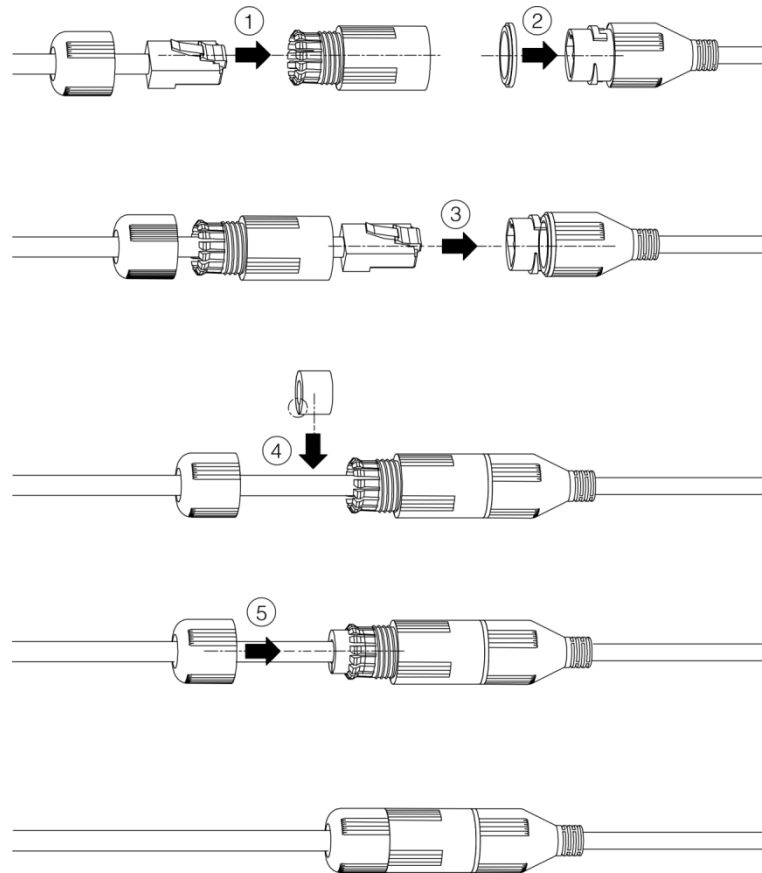


Cable going through the side cable tray

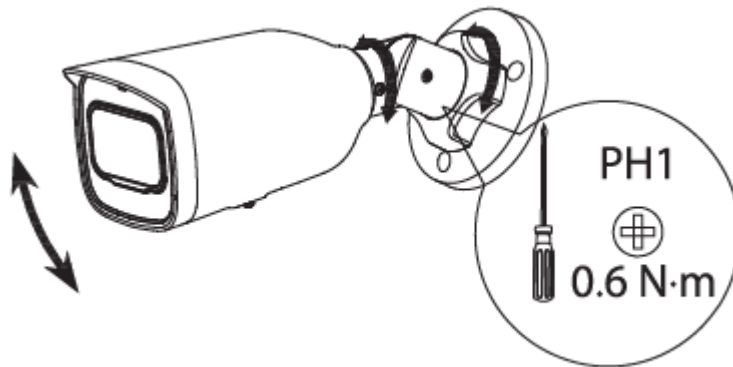
3.3.4 Installing Waterproof Connector (Optional)



This part is needed only when there is waterproof connector in the package and the device is used outdoors.



3.3.5 Adjusting Lens Angle



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