# HIKVISION

# Network Turret Camera

Quick Start Guide

**About this Manual**

The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the Hikvision website (http://www.hikvision.com/).

Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

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## Regulatory Information

### FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**FCC compliance:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help

### FCC Conditions

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

1. This device may not cause harmful interference.

2. This device must accept any interference received, including interference that may cause undesired operation.

## EU Conformity Statement

This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2014/30/EU, the RoHS Directive 2011/65/EU.

2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info

2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info

**Industry Canada ICES-003 Compliance**

This device meets the CAN ICES-3 (B)/NMB-3(B) standards requirements.

## Safety Instruction

These instructions are intended to ensure that user can use the product correctly to avoid danger or property loss.

The precaution measure is divided into "Warnings" and "Cautions"

**Warnings:** Serious injury or death may occur if any of the warnings are neglected.

**Cautions:** Injury or equipment damage may occur if any of the cautions are neglected.

| ⚠ **Warnings** | ⚠ **Cautions** |
|---|---|
| **Warnings** Follow these safeguards to prevent serious injury or death. | **Cautions** Follow these precautions to prevent potential injury or material damage. |

⚠ **Warnings**

● Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.

- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region. Please refer to technical specifications for detailed information.

- The power source should meet limited power source or PS2 requirements according to IEC 60950-1 or IEC 62368-1 standard.

- Do not connect several devices to one power adapter as adapter overload may cause over-heating or a fire hazard.

- Please make sure that the plug is firmly connected to the power socket. When the product is mounted on wall or ceiling, the device shall be firmly fixed.

- If smoke, odor or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.

 **Cautions**

- CAUTION: Hot parts! Burned fingers when handling the parts.

   Wait one-half hour after switching off before handling parts. This sticker is to indicate that the marked item can be hot and should not be touched without taking care. For device with this sticker, this device is intended for installation in a restricted access location, access can only be gained by service persons or by users who have been instructed about the reasons for the restrictions applied to the location and about any precautions that shall be taken.

- Make sure the power supply voltage is correct before using the camera.

- Do not drop the camera or subject it to physical shock.

- Do not touch sensor modules with fingers. If cleaning is necessary, use clean cloth with a bit of ethanol and wipe it gently. If the camera will not be used for an extended period, please replace the lens cap to protect the sensor from dirt.

- Do not aim the camera at the sun or extra bright places. Blooming or smearing may occur otherwise (which is not a malfunction), and affect the endurance of sensor at the same time.

- The sensor may be burned out by a laser beam, so when any laser equipment is in using, make sure that the surface of sensor will not be exposed to the laser beam.

- Do not place the camera in extremely hot, cold (the operating temperature shall be-30° C to +60° C, or -40° C to +60° C if the camera model has an "H" in its suffix), dusty or damp locations, and do not expose it to high electromagnetic radiation.

- To avoid heat accumulation, good ventilation is required for operating environment.

- Keep the camera away from liquid while in use.

- While in delivery, the camera shall be packed in its original packing, or packing of the same texture.

- Regular part replacement: a few parts (e.g. electrolytic capacitor) of the equipment shall be replaced regularly according to their average enduring time. The average time varies because of differences between operating environment

and using history, so regular checking is recommended for all the users. Please contact with your dealer for more details.

- This equipment is not suitable for use in locations where children are likely to be present.

- CAUTION: Risk of explosion if the battery is replaced by an incorrect type. Dispose of used batteries according to the instructions

  ATTENTION: IL Y A RISQUE D'EXPLOSION SI LA BATTERIE EST REMPLACÉE PAR UNE BATTERIE DE TYPE INCORRECT. METTRE AU REBUT LES BATTERIES USAGÉES CONFORMÉMENT AUX INSTRUCTIONS

- Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in the case of some lithium battery types).

- Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.

- Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or the leakage of flammable liquid or gas.

- Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas.

- If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the camera yourself. (We shall not assume any

responsibility for problems caused by unauthorized repair or maintenance.)

# Table of Contents

# 1 Appearance Description

This series of cameras have six appearances shown as the figures below.
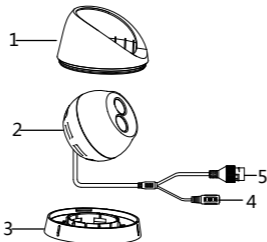
**Type I:**



Figure 1-1 Type I Turret Camera Overview
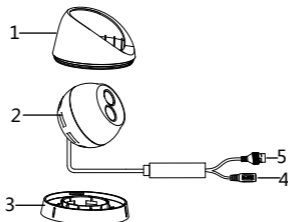
**Type II:**



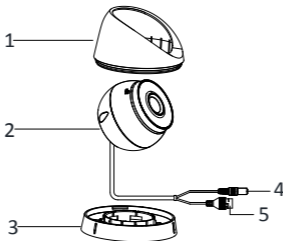Figure 1-2 Type II Turret Camera (PoE) Overview

**Type III/IV:**



Figure 1-3 Type III/IV Turret Camera Overview

*Note:*

Type III and type IV cameras share the same appearance, with the difference in dimension.

Table 1-1 Description

| No. | Description |
|-----|-------------|
| 1 | Enclosure |
| 2 | Camera Body |
| 3 | Mounting Base |
| 4 | Power Cord |
| 5 | Network Cable |

**Type V:**
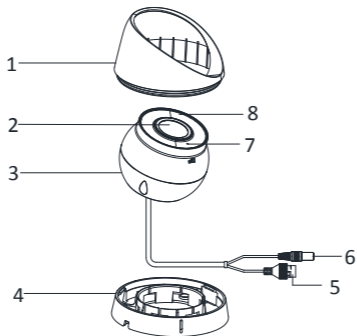


Figure 1-4 Type V Turret Camera Overview

Table 1-2 Description

| No. | Description |
|---|---|
| 1 | Enclosure |
| 2 | Lens |
| 3 | Camera Body |
| 4 | Mounting Base |
| 5 | Network Cable |
| 6 | Power Cord |

| No. | Description |
|-----|-------------|
| 7   | MIC |
| 8   | Front Cover |

**Type VI:**
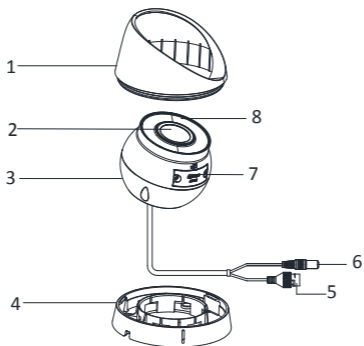


Figure 1-5 Type VI Turret Camera Overview

Table 1-3 Description

| No. | Description |
|-----|-------------|
| 1   | Enclosure |

| No. | Description |
|-----|-------------|
| 2 | Lens |
| 3 | Camera Body |
| 4 | Mounting Base |
| 5 | Network Cable |
| 6 | Power Cord |
| 7 | Memory Card Slot Cover |
| 8 | Front Cover |

**Type VII:**
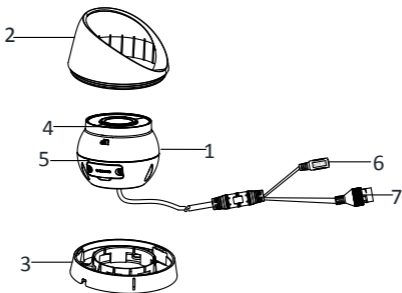


Figure 1-6 Type VII Turret Camera Overview

Table 1-4 Description

| No. | Description |
|-----|-------------|
| 1 | Camera Body |
| 2 | Enclosure |
| 3 | Mounting Base |
| 4 | MIC* |
| 5 | Memory Card Slot Cover* |
| 6 | Network Cable |
| 7 | Power Cord |

*Note:*

● The items marked with the "*" are only supported by certain camera models.

● For cameras support power over Ethernet (PoE), the power is passed along with data on Ethernet cabling. And a switch supports PoE function is required.

# 2 Installation

***Before you start:***

- Make sure the device in the package is in good condition and all the assembly parts are included.
- The standard power supply is 12 VDC or PoE, make sure your power supply matches with your camera.
- Make sure all the related equipment is power-off during the installation.
- Check the specification of the products for the installation environment.
- Make sure that the wall is strong enough to withstand four times the weight of the camera and the bracket.
- Make sure that there is no reflective surface too close to the camera lens. The IR light from the camera may reflect back into the lens causing reflection.

## 2.1 Memory Card Installation

Only certain camera models support memory card installation, you can follow the steps to mount and unmount the memory card.

***Steps:***

1. Rotate the camera to expose the memory card slot.
2. Loosen the screws to remove the memory card slot cover.
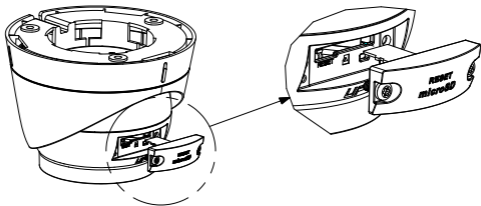
Figure 2-1 Unscrew the Cover and Insert Memory Card

3. Insert the memory card into the memory card slot.

4. (Optional)To unmount the memory card, push to get it ejected.

5. Screw the cover back to the camera.

## 2.2 Ceiling Mounting

***Before you start:***

Both wall mounting and ceiling mounting are suitable for the turret camera. Ceiling mounting will be taken as an example in this section. And you can take steps of ceiling mounting as a reference for wall mounting.

This camera series shares the same installation method, and we take type III/IV turret camera as the example to illustrate the installation.

***Steps:***

1. Paste the drill template (supplied) to the desired mounting position on the ceiling.

2. Drill the screw holes and the cable hole in the ceiling according to the drill template.

*Note:*

Drill the cable hole, if adopting ceiling outlet to route the cable.
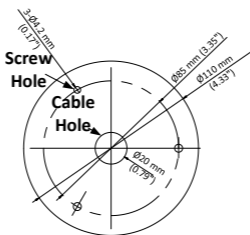


Figure 2-2 The Drill Template

3. Disassemble the camera.

   1). Rotate the camera to align the notch to one of the marks.

   2). Insert a coin or another similar tool to the notch.

   3). Press down the coin or another similar tool to pry the
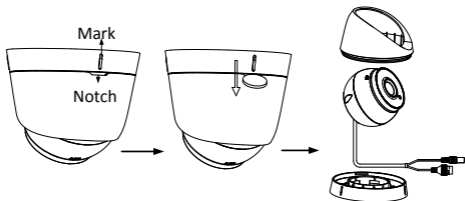       mounting base to separate the mounting base from the camera.



Figure 2-3 Disassemble the Camera

4. Fix the mounting base to the ceiling with supplied screws.

*Notes:*

- In the supplied screw package, both self-tapping screws, and expansion bolts are contained.
- If the ceiling is cement, expansion bolts are required to fix the camera. If the ceiling is wooden, self-tapping screws are required.
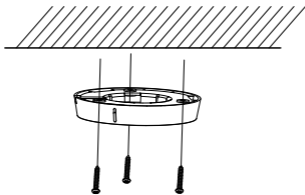


Figure 2-4 Fix the Mounting Base

5. Route the cables through the cable hole or the side opening.
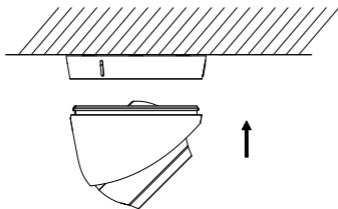
6. Install the camera body back to the mounting base.



Figure 2-5 Install the Camera Body

7. Connect the power cord and network cable.

8. Power on the camera, and set the network configuration (for details, refer to *3 Activate and Access Network Camera*) to check whether the image is gotten from the optimum angle. If not, adjust the surveillance angle.
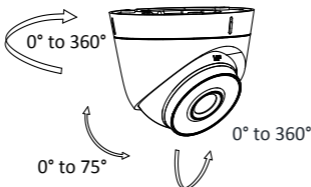


Figure 2-6 Adjust Surveillance Angle

1). Hold the camera body and rotate the enclosure to adjust the pan angle [0° to 360°].

2). Move the camera body up and down to adjust the tilt angle [0° to 75°].

3). Rotate the camera body to adjust the rotation angle [0° to 360°].

## 2.3 Mounting with Junction Box

***Before you start:***

● You need to purchase a junction box separately if you adopt the mounting with a junction box.

● Both wall mounting and ceiling mounting are suitable for the turret camera. Wall mounting will be taken as an example in

this section. And you can take steps of wall mounting as a reference for the ceiling mounting.

***Steps:***

1. Paste the drill template (supplied) to the desired mounting position on the wall.

2. Drill the screw holes and the cable hole in the wall according to the drill template.
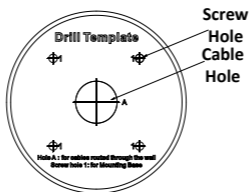


Figure 2-7 Drill Template

3. Take apart the junction box, and fix the camera's mounting base with three MP4 screws on the junction box's cover.
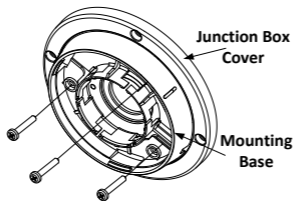


Figure 2-8 Fix screws on the junction box's Cover

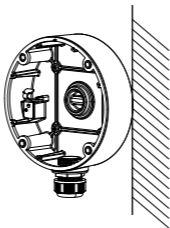4. Secure the junction box's body on the wall with four PA4 × 25 screws.



Figure 2-9 Secure the Junction Box's Body on the Ceiling/Wall

5. Combine the junction box's cover with its body with supplied screws.

6. Repeat steps 5 to 8 of *2.2 Ceiling Mounting* to complete the installation.

## 2.4 Mounting with Inclined Base

*Before you start:*

- You need to purchase an inclined base separately if you adopt the mounting with an inclined base.
- Both wall mounting and ceiling mounting are suitable for the turret camera. Wall mounting will be taken as an example in this section. And you can take steps of wall mounting as a reference for the ceiling mounting.
- Only certain camera models support this mounting method.

*Steps:*

1. Paste the drill template to the wall.

2. Drill screw holes and the cable hole (optional) on the wall according to the supplied drill template.

*Note:*

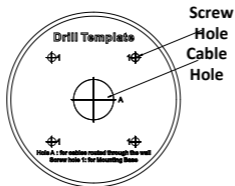Drill the cable hole, when adopting ceiling outlet to route the cable



Figure 2-10 Drill Template

3. Disassemble the inclined base by the screw driver.

4. Install the turret camera's mounting base on the inclined base cover with three PM4 screws.
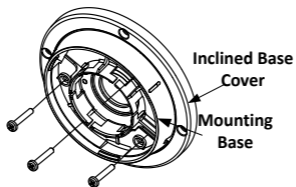


Figure 2-11 Fix Camera's Mounting Base

5. Install the inclined base's body on the ceiling/wall with four PA4×25 screws.
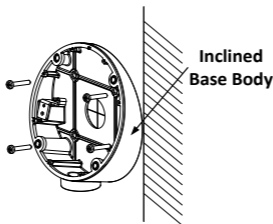


Inclined
Base Body

Figure 2-12 Fix the Inclined Base's boy on Ceiling/Wall

6. Combine inclined base's cover with its body with supplied screws.

7. Repeat steps 5 to 8 of *2.2 Ceiling Mounting* to complete the installation.

## 2.5 Wall Mounting

*Note:*

You need to purchase a wall mounting bracket separately.

*Steps:*

1. Drill four screw holes in the wall according to the holes of the bracket.

2. Install the bracket to the wall by aligning the four screw holes of the bracket with expansion screws on the wall.

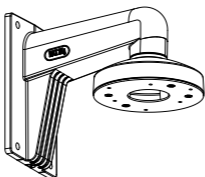3. Secure the bracket with four hex nuts and washers.

Figure 2-13 Install the Wall Mounting Bracket

4. Install the mounting base of the turret camera to the wall mounting bracket and secure them with supplied screws.
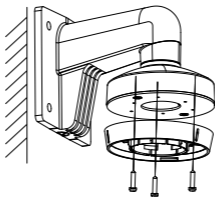


Figure 2-14 Install the Mounting Base on the Wall Mounting Bracket

5. Repeat steps 5 to 8 of *2.2 Ceiling Mounting* to complete the installation.

## 2.6 Waterproof Measures

If the camera is installed outdoor, you should use the waterproof accessory or tapes to waterproof the cables. Otherwise, the cables might get wet or a short circuit occurs.
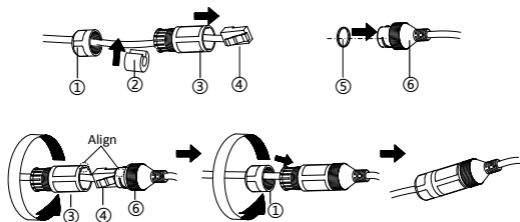
### 2.6.1 Install Network Cable Waterproof Jacket



Figure 2-15 Install Waterproof Jacket

*Steps:*

1. Feed the network cable through ① and ③ in order.

2. Fix ② on the network cable between ① and ③.

3. Place ⑤ onto the end of ⑥, and plug the RJ45 male connector into RJ45 female connector.

4. Screw ③ to ⑥ clockwise.

5. Push ② into ③.

6. Secure ① with the ③ in clockwise direction.

### 2.6.2 Waterproof Other Cables

After routing and connecting the cables, use the waterproof tapes to wrap up the cables. Connected cables and spare cables both should be wrapped up as the figures below.
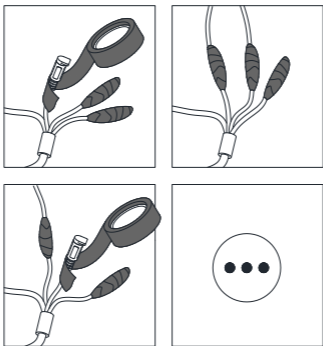


Figure 2-16 Waterproof Cables

# 3 Activate and Access Network Camera

Scan the QR code to get *Activate and Access Network Camera*. Note that mobile data charges may apply if Wi-Fi is unavailable.

See Far, Go Further